

Fig.S1 - Blobtools Read Coverage Plots for the taxonomic level Phylum.

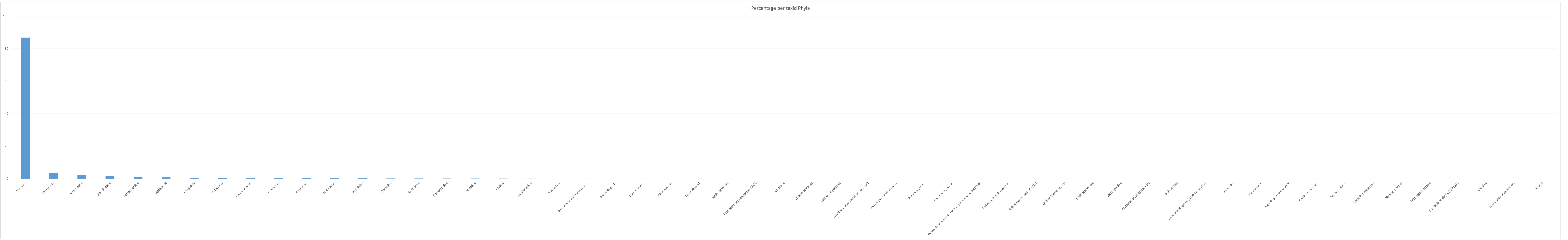


Fig. S2 - Percentage of higher taxonomic level blastp hits of the BRAKER2 predicted protein against RefSeq database.

1. *Aculamprotula scripta* voucher Xiaoping Wu:01-ASF-2017 mitochondrion, complete genome
15,688 bp circular DNA
MF991456.1 GI:1331389993
2. *Aculamprotula tientsinensis* mitochondrion, complete genome
15,695 bp circular DNA
KR873102.1 GI:954003649
3. *Acuticosta chinensis* mitochondrion, complete genome
15,653 bp circular DNA
MF687347.1 GI:1307564826
4. *Acuticosta chinensis* haplotype female mitochondrion, complete genome
15,652 bp circular DNA
MH919390.1 GI:1607271201
5. *Alasmidonta heterodon* mitochondrion, complete genome
15,909 bp circular DNA
MG905826.1 GI:1354701155
6. *Alasmidonta varicosa* mitochondrion, complete genome
15,693 bp circular DNA
MG938673.1 GI:1406947749
7. *Alasmidonta varicosa* voucher NEFC_B19-499 mitochondrion, complete genome
15,700 bp circular DNA
OM736872.1 GI:2325478630
8. *Amblema plicata* isolate BIV2448 mitochondrion, complete genome
15,946 bp circular DNA
MT648774.1 GI:1877028245
9. *Anodonta euscaphys* mitochondrion, complete genome
15,741 bp circular DNA
KP187851.1 GI:770593144
10. *Anodonta anatina* isolate 247 haplotype M mitochondrion, complete genome
16,906 bp circular DNA
KF030962.1 GI:528079477
11. *Anodonta anatina* isolate 320 haplotype M mitochondrion, complete genome
16,906 bp circular DNA
KF030963.1 GI:528079492
12. *Anodonta anatina* isolate 106 haplotype F mitochondrion, complete genome
15,653 bp circular DNA
KF030964.1 GI:528079507
13. *Anodonta anatina* isolate 218 haplotype F mitochondrion, complete genome

15,637 bp circular DNA
KF030965.1 GI:528079522

14. *Anodonta anatina* isolate 245 haplotype F mitochondrion, complete genome
15,640 bp circular DNA
KF030966.1 GI:528079537

15. *Anodonta anatina* isolate 146 haplotype F mitochondrion, complete genome
15,645 bp circular DNA
KF030967.1 GI:528079552

16. *Anodonta anatina* isolate 314 haplotype F mitochondrion, complete genome
15,645 bp circular DNA
KF030968.1 GI:528079567

17. *Anodonta anatina* isolate AA1 mitochondrion, complete genome
15,649 bp circular DNA
MN594531.1 GI:1958843900

18. *Anodonta arcaeformis* mitochondrion, complete genome
15,672 bp circular DNA
KF667530.1 GI:585866289

19. *Anodonta cygnea* mitochondrion, complete genome
15,613 bp circular DNA
MG385135.1 GI:1280962892

20. *Anodonta cygnea* mitochondrion, complete genome
15,610 bp circular DNA
MF781083.1 GI:1350896077

21. *Anodonta cygnea* isolate AC70 mitochondrion, complete genome
15,613 bp circular DNA
MN594532.1 GI:1958843914

22. UNVERIFIED: *Anodonta cygnea* mitochondrion sequence
15,905 bp linear DNA
MT874496.1 GI:2248385936

23. *Anodonta exulcerata* isolate AC108 mitochondrion, complete genome
15,619 bp circular DNA
MN594533.1 GI:1958843928

24. *Anodonta lucida* mitochondrion, complete genome
16,285 bp circular DNA
KF667529.1 GI:585866275

25. *Anodonta nuttalliana* isolate BIV0364 mitochondrion, complete genome
16,015 bp circular DNA
MN594534.1 GI:1958843942

26. UNVERIFIED: *Anodontites elongata* isolate AnoElo mitochondrion sequence, sequence
15,255 bp linear DNA
MK761136.1 GI:1803023760
27. *Anodontites trapesialis* isolate H2445 mitochondrion, partial genome
15,117 bp linear DNA
KU873119.1 GI:1150311665
28. *Beringiana fukuharai* B057 mitochondrial DNA, complete genome
16,014 bp circular DNA
LC592401.2 GI:2038456704
29. *Beringiana fukuharai* B103 mitochondrial DNA, complete genome
16,200 bp circular DNA
LC592402.2 GI:2038456718
30. *Beringiana fukuharai* B177 mitochondrial DNA, complete genome
16,092 bp circular DNA
LC592403.2 GI:2038456732
31. *Beringiana fukuharai* n972 mitochondrial DNA, complete genome
15,989 bp circular DNA
LC592408.2 GI:2038456760
32. *Beringiana fukuharai* n997 mitochondrial DNA, complete genome
16,158 bp circular DNA
LC592410.2 GI:2038456774
33. UNVERIFIED: *Castalia ambigua* isolate CasAmb mitochondrion sequence, sequence
17,092 bp linear DNA
MK761137.1 GI:1803023761
34. UNVERIFIED: *Chambardia rubens* isolate ChaRub mitochondrion sequence, sequence
16,697 bp linear DNA
MK761138.1 GI:1803023762
35. *Chamberlainia hainesiana* mitochondrion, complete genome
16,746 bp circular DNA
MK994770.1 GI:1695712150
36. *Chamberlainia hainesiana* mitochondrion, complete genome
17,465 bp circular DNA
MK994771.1 GI:1695712164
37. *Conradens conradens* isolate Concon_F voucher BIV1811 mitochondrion, complete genome
15,956 bp circular DNA
MW242812.1 GI:2007112088
38. *Conradens conradens* isolate Concon_M voucher BIV1811 mitochondrion, complete genome

17,057 bp circular DNA
MW242813.1 GI:2007112102

39. *Lasmigona compressa* isolate H2390 mitochondrion, complete genome
15,903 bp circular DNA
HM856638.1 GI:302702158

40. *Cristaria plicata* mitochondrion, complete genome
15,712 bp circular DNA
FJ986302.1 GI:229915382

41. *Cristaria plicata* mitochondrion, complete genome
15,708 bp circular DNA
GU944476.1 GI:291498580

42. *Cristaria plicata* mitochondrion, complete genome
15,710 bp circular DNA
KM233451.1 GI:677285913

43. *Cumberlandia monodonta* isolate H3010 mitochondrion, complete genome
16,099 bp circular DNA
KU873123.1 GI:1150311723

44. *Cumberlandia monodonta* isolate H1526g mitochondrion, complete genome
17,575 bp circular DNA
KU873124.1 GI:1150311738

45. *Cuneopsis celtiformis* voucher 20-NCU-XPWU-CC01 mitochondrion, complete genome
15,922 bp circular DNA
MW464617.1 GI:2028540050

46. *Cuneopsis celtiformis* voucher 21-NCU-XPWU-CCM01 mitochondrion, complete genome
16,875 bp circular DNA
MZ571520.1 GI:2296405140

47. *Cuneopsis demangei* voucher 21-NCU-XPWU-CDF01 mitochondrion, complete genome
15,975 bp circular DNA
MZ571513.1 GI:2296405080

48. *Cuneopsis heudei* mitochondrion, complete genome
15,982 bp circular DNA
MF687348.1 GI:1331389964

49. *Cuneopsis heudei* haplotype female mitochondrion, complete genome
15,892 bp circular DNA
MH919389.1 GI:1607271187

50. UNVERIFIED: *Cuneopsis heudei* mitochondrion sequence
16,744 bp linear DNA
MZ571514.1 GI:2296405155

51. *Cuneopsis rufescens* voucher 21-NCU-XPWU-CRF01 mitochondrion, complete genome
15,945 bp circular DNA
MZ571512.1 GI:2296405065
52. UNVERIFIED: *Diplodon suavidicus* isolate DipSua mitochondrion sequence, sequence
18,211 bp linear DNA
MK761139.1 GI:1803023763
53. *Echyridella menziesii* isolate SB11 mitochondrion, complete genome
16,031 bp circular DNA
KU873121.1 GI:1150311693
54. *Echyridella menziesii* isolate M9 mitochondrion, complete genome
18,140 bp circular DNA
KU873122.1 GI:1150311708
55. UNVERIFIED: *Fossula fossiculifera* isolate FosFos mitochondrion sequence, sequence
15,632 bp linear DNA
MK761140.1 GI:1803023764
56. *Margaritifera margaritifera* mitochondrion, complete genome
16,122 bp circular DNA
MK421956.1 GI:1678501092
57. *Margaritifera margaritifera* mitochondrion, complete genome
16,122 bp circular DNA
MK421957.1 GI:1678501106
58. *Margaritifera margaritifera* mitochondrion, complete genome
16,122 bp circular DNA
MK421958.1 GI:1678501120
59. *Margaritifera margaritifera* mitochondrion, complete genome
17,421 bp circular DNA
MK421959.1 GI:1678501134
60. *Margaritifera margaritifera* mitochondrion, complete genome
16,124 bp circular DNA
MW556443.1 GI:1989769663
61. *Pyganodon grandis* haplotype female mitochondrion, complete genome
15,848 bp circular DNA
FJ809754.1 GI:229915704
62. *Pyganodon grandis* haplotype male mitochondrion, complete genome
17,071 bp circular DNA
FJ809755.1 GI:229915718
63. *Pyganodon grandis* isolate NEFC_B19-228 mitochondrion, complete genome

15,851 bp circular DNA
OM736870.1 GI:2325478600

64. *Gibbosula crassa* mitochondrion, complete genome
16,196 bp circular DNA
MH319826.1 GI:1389449463

65. UNVERIFIED: *Gibbosula polysticta* mitochondrion sequence, sequence
15,714 bp linear DNA
MK728823.1 GI:1893870070

66. UNVERIFIED: *Gibbosula rochechouartii* mitochondrion sequence, sequence
16,100 bp linear DNA
KX378172.1 GI:1194689569

67. *Hyriopsis bialata* isolate HyrBia_F voucher BIV1774 mitochondrion, complete genome
15,919 bp circular DNA
MW242816.1 GI:2007112144

68. *Hyriopsis bialata* isolate HyrBia_M voucher BIV1774 mitochondrion, complete genome
16,761 bp circular DNA
MW242817.1 GI:2007112158

69. *Hyriopsis cumingii* mitochondrion, complete genome
15,954 bp circular DNA
FJ529186.1 GI:218135570

70. *Hyriopsis cumingii* mitochondrion, complete genome
15,957 bp circular DNA
HM347668.1 GI:298289276

71. UNVERIFIED: *Hyriopsis cumingii* mitochondrion sequence
17,100 bp linear DNA
KC150028.1 GI:453040376

72. *Hyriopsis cumingii* mitochondrion, complete genome
15,958 bp circular DNA
KM393224.1 GI:697994587

73. *Hyriopsis cumingii* UU-SBD-Unio11 mitochondrial DNA, complete genome
15,961 bp circular DNA
LC498621.1 GI:1817956062

74. *Lamellidens marginalis* voucher CIFEFG-LM1 mitochondrion, complete genome
15,732 bp circular DNA
MT230549.1 GI:2026652142

75. UNVERIFIED: *Lamproscapha ensiformis* isolate LamEns mitochondrion sequence, sequence
15,583 bp linear DNA
MK761141.1 GI:1803023765

76. *Lamprotula caveata* mitochondrion, complete genome
16,641 bp circular DNA
KX060991.1 GI:1031877807
77. *Lamprotula caveata* haplotype male mitochondrion, complete genome
17,179 bp circular DNA
KX091842.1 GI:1083262520
78. *Lamprotula coreana* mitochondrion, complete genome
15,697 bp circular DNA
JX050180.1 GI:390472651
79. *Lamprotula cornuumlunae* voucher Personal:Xiaoping Wu:FM141126 mitochondrion, complete genome
16,635 bp circular DNA
MK728822.1 GI:2034420496
80. *Lamprotula gottschei* mitochondrion, complete genome
15,915 bp circular DNA
KJ018924.1 GI:589913336
81. *Lamprotula gottschei* mitochondrion, complete genome
16,851 bp circular DNA
KJ627225.1 GI:647734893
82. *Lamprotula leai* haplotype F mitochondrion, complete genome
16,530 bp circular DNA
JQ691662.1 GI:379317181
83. *Lamprotula leai* mitochondrion, complete genome
16,852 bp circular DNA
KC847114.1 GI:511773436
84. *Lamprotula scripta* haplotype female mitochondrion, complete genome
16,250 bp circular DNA
KU745294.1 GI:1027254042
85. *Lamprotula tortuosa* mitochondrion, complete genome
15,722 bp circular DNA
KC109779.1 GI:441062040
86. *Lamprotula tortuosa* mitochondrion, complete genome
16,688 bp circular DNA
KC441487.1 GI:453041969
87. *Lampsilis cardium* isolate NEFC_B19-224 mitochondrion, complete genome
16,075 bp circular DNA
OM736867.1 GI:2325478555
88. *Lampsilis cardium* isolate NEFC_B19-225 mitochondrion, complete genome

16,057 bp circular DNA
OM736868.1 GI:2325478570

89. *Lampsilis cariosa* voucher NEFC_B19-074 mitochondrion, complete genome
15,981 bp circular DNA
OM736866.1 GI:2325478540

90. *Lampsilis ornata* mitochondrion, complete genome
16,060 bp circular DNA
AY365193.1 GI:39726228

91. *Lampsilis powellii* isolate H2610 mitochondrion, complete genome
16,043 bp circular DNA
MF326971.1 GI:1314670215

92. *Lampsilis powellii* isolate H2613 mitochondrion, complete genome
16,990 bp circular DNA
MF326972.1 GI:1314670230

93. *Lampsilis siliquoidea* isolate H2655 mitochondrion, complete genome
16,094 bp circular DNA
MF326973.1 GI:1314670245

94. *Lampsilis siliquoidea* isolate H3276 mitochondrion, complete genome
17,008 bp circular DNA
MF326974.1 GI:1314670260

95. *Lampsilis siliquoidea* isolate NEFC_B19-227 mitochondrion, complete genome
16,093 bp circular DNA
OM736869.1 GI:2325478585

96. *Lampsilis siliquoidea* isolate NEFC_B19-226 mitochondrion, complete genome
16,089 bp circular DNA
OM736873.1 GI:2325478645

97. *Lanceolaria gladiola* haplotype female mitochondrion, complete genome
15,732 bp circular DNA
KY067441.1 GI:1186236994

98. *Lanceolaria grayana* mitochondrion, complete genome
15,736 bp circular DNA
KJ495725.1 GI:630044994

99. *Arconaia lanceolata* mitochondrion, complete genome
15,782 bp circular DNA
KJ144818.1 GI:597568932

100. *Arconaia lanceolata* mitochondrion, complete genome
16,789 bp circular DNA
KJ775864.1 GI:669633923

101. *Lasmigona complanata* isolate NEFC_B19-229 mitochondrion, complete genome
16,006 bp circular DNA
OM736871.1 GI:2325478615
102. *Lasmigona subviridis* isolate H2958 mitochondrion, partial genome
11,969 bp linear DNA
HM856640.1 GI:302702188
103. *Lepidodesma languilati* mitochondrion, complete genome
15,754 bp circular DNA
KT381195.1 GI:992321108
104. *Toxolasma parvus* isolate H1805 mitochondrion, complete genome
15,949 bp circular DNA
HM856639.1 GI:302702173
105. *Quadrula quadrula* haplotype female mitochondrion, complete genome
16,033 bp circular DNA
FJ809750.1 GI:229915648
106. *Quadrula quadrula* haplotype male mitochondrion, complete genome
16,970 bp circular DNA
FJ809751.1 GI:229915662
107. *Dahurinaia dahurica* mitochondrion, complete genome
16,112 bp circular DNA
KF514426.1 GI:555298204
108. *Microcondylaea bonellii* mitochondrion, complete genome
16,020 bp circular DNA
MK994772.1 GI:1695712178
109. *Microcondylaea bonellii* mitochondrion, complete genome
16,737 bp circular DNA
MK994773.1 GI:1695712192
110. UNVERIFIED: *Monocondylaea parchappii* isolate MonPar mitochondrion sequence, sequence
15,528 bp linear DNA
MK761142.1 GI:1803023766
111. *Monodontina vondembuschiana* mitochondrion, complete genome
16,028 bp circular DNA
MK994774.1 GI:1695712206
112. UNVERIFIED: *Monodontina vondembuschiana* mitochondrion, sequence
16,364 bp linear DNA
MK994775.1 GI:1695712220
113. *Mutela dubia* isolate H1495 mitochondrion, complete genome

16,168 bp circular DNA
KU873120.1 GI:1150311679

114. *Nodularia breviconcha* mitochondrion, complete genome
15,741 bp circular DNA
MT955592.1 GI:1914212499

115. *Unio douglasiae* haplotype F mitochondrion, complete genome
15,767 bp circular DNA
KM657954.1 GI:731446523

116. *Unio douglasiae* mitochondrion, complete genome
16,670 bp circular DNA
KP970613.1 GI:893641264

117. *Nodularia douglasiae* mitochondrion, complete genome
15,761 bp circular DNA
MF314443.1 GI:1502979494

118. *Nodularia douglasiae* UU-SBD-Unio08 mitochondrial DNA, complete genome
15,779 bp circular DNA
LC496352.1 GI:1782080796

119. *Nodularia douglasiae* isolate MG mitochondrion, complete genome
15,764 bp circular DNA
MT764726.1 GI:1893869438

120. *Nodularia douglasiae* mitochondrion, complete genome
15,746 bp circular DNA
MT447062.1 GI:2173806703

121. *Nodularia douglasiae biwae* B063 mitochondrial DNA, complete genome
15,755 bp circular DNA
LC589171.1 GI:1959241293

122. *Nodularia douglasiae biwae* n975 mitochondrial DNA, complete genome
15,767 bp circular DNA
LC589172.1 GI:1959241307

123. *Unio pictorum* isolate 147 mitochondrion, complete genome
15,760 bp circular DNA
HM014130.1 GI:291575410

124. *Unio pictorum* isolate 109 mitochondrion, complete genome
15,762 bp circular DNA
HM014131.1 GI:291575424

125. *Unio pictorum* isolate 132 mitochondrion, complete genome
15,761 bp circular DNA
HM014132.1 GI:291575438

126. *Unio pictorum* isolate 149 mitochondrion, complete genome
15,761 bp circular DNA
HM014133.1 GI:291575452
127. *Unio pictorum* isolate 310 mitochondrion, complete genome
15,761 bp circular DNA
HM014134.1 GI:291575466
128. *Unio pictorum* haplogroup M mitochondrion, complete genome
16,632 bp circular DNA
MH349357.1 GI:1452923080
129. *Unio pictorum* haplogroup M mitochondrion, complete genome
16,632 bp circular DNA
MH349358.1 GI:1452923095
130. *Utterbackia imbecillis* isolate 28CD10-86 mitochondrion, complete genome
16,103 bp circular DNA
HM856637.1 GI:318088752
131. *Parvasolenia rivularis* haplotype female mitochondrion, complete genome
16,613 bp circular DNA
KX966393.1 GI:1079707900
132. *Parvasolenia rivularis* voucher Xiaoping Wu:01-SRM-2012 haplotype male mitochondrion, complete genome
17,558 bp circular DNA
KY007142.1 GI:1095467474
133. *Utterbackia peninsularis* isolate 14GCP2-88 mitochondrion, complete genome
16,803 bp circular DNA
HM856635.1 GI:302702113
134. *Utterbackia peninsularis* isolate 18HRH6-88 mitochondrion, complete genome
15,593 bp circular DNA
HM856636.1 GI:302702128
135. *Physunio superbus* isolate PhySup_F voucher PhySup mitochondrion, complete genome
16,057 bp circular DNA
MW242814.1 GI:2007112116
136. *Physunio superbus* isolate PhySup_M voucher PhySup mitochondrion, complete genome
17,282 bp circular DNA
MW242815.1 GI:2007112130
137. *Pilsbryconcha exilis* mitochondrion, complete genome
16,168 bp circular DNA
MK994776.1 GI:1695712232
138. *Pilsbryconcha exilis* mitochondrion, complete genome

16,267 bp circular DNA
MK994777.1 GI:1695712246

139. Pleurobema oviforme isolate BIV1946 mitochondrion, complete genome
15,852 bp circular DNA
MT648775.1 GI:1877028259

140. Popenaias popeii isolate BIV2451 mitochondrion, complete genome
15,993 bp circular DNA
MT648776.1 GI:1877028273

141. Potamilus alatus haplotype male mitochondrion, complete genome
16,560 bp circular DNA
KU559010.1 GI:1020159465

142. Potamilus alatus haplotype female mitochondrion, complete genome
16,067 bp circular DNA
KU559011.1 GI:1020159479

143. Leptodea leptodon voucher LEPT20150810V3 mitochondrion, complete genome
16,133 bp circular DNA
KT723012.1 GI:948271079

144. Potamilus streckersoni isolate PohiBra071 voucher UF439535 mitochondrion, complete genome
16,293 bp circular DNA
MW413895.1 GI:1958836348

145. Potamilus streckersoni isolate PohiBra085 voucher JBFMC10001.6 mitochondrion, complete genome
16,152 bp circular DNA
ON855351.1 GI:2277708024

146. Potamilus streckersoni isolate PohiBra085 voucher JBFMC10001.6 mitochondrion, complete genome
16,482 bp circular DNA
ON881148.1 GI:2281572456

147. Potomida littoralis isolate PL702F mitochondrion, complete genome
15,789 bp circular DNA
KT247374.1 GI:959093583

148. Potomida littoralis isolate PL702M mitochondrion, complete genome
16,451 bp circular DNA
KT247375.1 GI:959093597

149. UNVERIFIED: Prisodon obliquus isolate PriObl mitochondrion sequence, sequence
16,691 bp linear DNA
MK761143.1 GI:1803023767

150. Unio japonensis mitochondrial DNA, COIII to CO1 region, haplotype: male type
16,967 bp linear DNA
AB055624.1 GI:15128581

151. *Unio japonensis* mitochondrial DNA, ND5 to tRNA-Gln region, haplotype:female type
16,826 bp linear DNA
AB055625.1 GI:15128594
152. *Pronodularia japonensis* UU-SBD-Unio-01 mitochondrial DNA, complete genome
16,803 bp circular DNA
LC505454.1 GI:1817956097
153. *Pseudanodonta complanata* isolate BIV0186 mitochondrion, complete genome
16,171 bp circular DNA
MN594535.1 GI:1958843956
154. *Pseudocuneopsis capitata* haplotype female mitochondrion, complete genome
15,845 bp circular DNA
MH919387.1 GI:1607271159
155. *Pseudocuneopsis capitata* voucher 21-NCU-XPWU-PCM01 mitochondrion, complete genome
16,607 bp circular DNA
MZ571517.1 GI:2296405095
156. *Pseudocuneopsis sichuanensis* voucher 21-NCU-XPWU-PSF01 mitochondrion, complete genome
15,839 bp circular DNA
MZ571510.1 GI:2296405035
157. *Pseudocuneopsis sichuanensis* voucher 21-NCU-XPWU-PSM01 mitochondrion, complete genome
16,649 bp circular DNA
MZ571518.1 GI:2296405110
158. UNVERIFIED: *Pseudunio auricularius* isolate PseAur_F mitochondrion sequence, sequence
16,195 bp linear DNA
MK761144.1 GI:1803023768
159. *Margaritifera marocana* isolate BIV1914F mitochondrion, complete genome
16,001 bp circular DNA
KY131953.1 GI:1178772179
160. *Margaritifera marocana* isolate BIV1914M mitochondrion, complete genome
17,562 bp circular DNA
KY131954.1 GI:1178772396
161. *Ptychorhynchus pfisteri* haplotype female mitochondrion, complete genome
16,040 bp circular DNA
KY067440.1 GI:1148297383
162. *Rectidens sumatrensis* isolate RecSum_F voucher BIV1664 mitochondrion, complete genome
15,983 bp circular DNA
MW242818.1 GI:2007112172
163. *Rectidens sumatrensis* isolate RecSum_M voucher BIV1665 mitochondrion, complete genome

16,934 bp circular DNA
MW242819.1 GI:2007112186

164. *Schistodesmus lampreyanus* haplotype female mitochondrion, complete genome
15,855 bp circular DNA
MH919388.1 GI:1607271173

165. UNVERIFIED: *Schistodesmus lampreyanus* mitochondrion sequence
16,796 bp linear DNA
MZ571515.1 GI:2296405156

166. *Schistodesmus spinosus* voucher 21-NCU-XPWU-SSF01 mitochondrion, complete genome
15,964 bp circular DNA
MZ571511.1 GI:2296405050

167. UNVERIFIED: *Schistodesmus spinosus* mitochondrion sequence
16,680 bp linear DNA
MZ571516.1 GI:2296405157

168. *Sinanodonta tumens* B194 mitochondrial DNA, complete genome
15,807 bp circular DNA
LC592406.2 GI:2038456746

169. *Anodonta woodiana* isolate AW19 mitochondrion, complete genome
16,242 bp circular DNA
HQ283344.1 GI:310777585

170. *Anodonta woodiana* isolate AW22 mitochondrion, complete genome
16,243 bp circular DNA
HQ283345.1 GI:310777600

171. *Anodonta woodiana* isolate AW124 mitochondrion, complete genome
16,242 bp circular DNA
HQ283346.1 GI:310777615

172. *Anodonta woodiana* isolate AW123 mitochondrion, complete genome
16,243 bp circular DNA
HQ283347.1 GI:310777630

173. *Anodonta woodiana* isolate AW125 mitochondrion, complete genome
16,243 bp circular DNA
HQ283348.1 GI:310777645

174. *Sinanodonta woodiana* voucher 2014-phc-si-wo-001 mitochondrion, complete genome
16,256 bp circular DNA
KM272949.1 GI:685165083

175. *Sinanodonta woodiana* mitochondrion, complete genome
17,738 bp circular DNA
KM434235.1 GI:704002361

176. *Sinanodonta woodiana* haplogroup M mitochondrion, complete genome
17,615 bp circular DNA
MH349356.1 GI:1452923064
177. *Sinanodonta woodiana* haplogroup M mitochondrion, complete genome
17,616 bp circular DNA
MH349359.1 GI:1452923110
178. *Sinanodonta woodiana* isolate SW032 mitochondrion, complete genome
16,243 bp circular DNA
MN594536.1 GI:1958843970
179. *Hyriopsis schlegelii* sex female mitochondrion, complete genome
15,939 bp circular DNA
HQ641406.1 GI:316891618
180. *Hyriopsis schlegelii* sex male mitochondrion, complete genome
15,961 bp circular DNA
HQ641407.1 GI:316891632
181. *Sinohyriopsis schlegelii* mitochondrial DNA, complete genome, isolate: B225
15,951 bp circular DNA
AP018550.1 GI:1605112100
182. *Sinohyriopsis schlegelii* mitochondrial DNA, complete genome, isolate: B227
15,951 bp circular DNA
AP018551.1 GI:1605112114
183. *Sinohyriopsis schlegelii* UU-SBD-Unio10 mitochondrial DNA, complete genome
15,954 bp circular DNA
LC498622.1 GI:1817956076
184. *Solenia carinata* voucher Xiaoping WU:01-SCF-2012 mitochondrion, complete genome
16,716 bp circular DNA
KC848654.1 GI:512393067
185. *Solenia carinata* voucher Xiaoping WU:01-SCM-2012 mitochondrion, complete genome
17,102 bp circular DNA
KC848655.1 GI:512393081
186. *Solenia oleivora* haplotype female mitochondrion, complete genome
16,392 bp circular DNA
KF296320.1 GI:544584149
187. *Solenia oleivora* voucher Xiaoping Wu:01-SOM-2012 haplotype male mitochondrion, complete
16,765 bp circular DNA
KY007143.1 GI:1095467488
188. *Solenia oleivora* mitochondrion, complete genome

16,392 bp circular DNA
MT477834.1 GI:1929135775

189. *Cuneopsis pisciculus* mitochondrion, complete genome
15,907 bp circular DNA
KP273584.1 GI:748995636

190. *Tchangsiniaia piscicula* voucher 21-NCU-XPWU-APM01 mitochondrion, complete genome
16,652 bp circular DNA
MZ571519.1 GI:2296405125

191. *Unio crassus* isolate 182 haplogroup F mitochondrion, complete genome
15,781 bp circular DNA
KY290446.1 GI:1143271496

192. *Unio crassus* isolate 183 haplogroup F mitochondrion, complete genome
15,781 bp circular DNA
KY290447.1 GI:1143271511

193. *Unio crassus* isolate DR14 haplogroup M mitochondrion, complete genome
16,633 bp circular DNA
KY290448.1 GI:1143271526

194. *Unio crassus* isolate DR15 haplogroup M mitochondrion, complete genome
16,633 bp circular DNA
KY290449.1 GI:1143271541

195. *Unio crassus* isolate 176 haplogroup M mitochondrion, complete genome
16,646 bp circular DNA
KY290450.1 GI:1143271556

196. *Unio delphinus* mitochondrion, complete genome
15,762 bp circular DNA
KT326917.1 GI:1016561854

197. *Unio delphinus* mitochondrion, complete genome
16,620 bp circular DNA
KT326918.1 GI:1016561869

198. *Unio elongatulus* isolate UI146F mitochondrion, complete genome
15,763 bp circular DNA
MN594537.1 GI:1958843984

199. *Unio mancus* isolate UM34F mitochondrion, complete genome
15,756 bp circular DNA
MN594538.1 GI:1958843998

200. *Unio tumidus* isolate 157 haplogroup M mitochondrion, complete genome
16,607 bp circular DNA
KY021073.1 GI:1143271571

201. *Unio tumidus* isolate 159 haplogroup M mitochondrion, complete genome
16,607 bp circular DNA
KY021074.1 GI:1143271586
202. *Unio tumidus* isolate 203 haplogroup M mitochondrion, complete genome
16,607 bp circular DNA
KY021075.1 GI:1143271601
203. *Unio tumidus* isolate 207 haplogroup F mitochondrion, complete genome
15,769 bp circular DNA
KY021076.1 GI:1143271616
204. *Unio tumidus* isolate 155 haplogroup F mitochondrion, complete genome
15,770 bp circular DNA
KY021077.1 GI:1143271631
205. *Unio tumidus* isolate 158 haplogroup F mitochondrion, complete genome
15,769 bp circular DNA
KY021078.1 GI:1143271646
206. *Venustaconcha ellipsiformis* haplotype male mitochondrion, complete genome
17,174 bp circular DNA
FJ809752.1 GI:229915676
207. *Venustaconcha ellipsiformis* haplotype female mitochondrion, complete genome
15,975 bp circular DNA
FJ809753.1 GI:229915690
208. *Margaritifera falcata* isolate H2912 mitochondrion, complete genome
16,121 bp circular DNA
HM856634.1 GI:302702098
209. UNVERIFIED: *Westralunio carteri* isolate WesCar_F mitochondrion sequence, sequence
16,766 bp linear DNA
MK761145.1 GI:1803023769
210. UNVERIFIED: *Westralunio carteri* isolate WesCar_M mitochondrion sequence, sequence
17,942 bp linear DNA
MK761146.1 GI:1803023770

plete genome

Supplementary File 2 – Results of BLASTP search of the BRAKER2 predicted protein against RefSeq database.

The results are in tabular format obtaining using DIAMOND with parameters:

"-k 1 -b 20 -e 1e-5 --sensitive

--outfmt 6 qseqid staxids bitscore qseqid sseqid pident length mismatch gapopen qstart qend sstart send eval evalue bitscore"
 Additionally, taxonomic classification was added to the last column of the table, using the taxids list, with TaxonKit v.0.8.0.

```

UdeM00000044471 225164 409.5 UdeM00000044471 XP_009052905.1 84
231 37 0 18 248 121 351 3.10E-111 409.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000033513 29159 316.2 UdeM00000033513 XP_034317111.1 55.8 283
124 1 2 283 171 453 4.20E-83 316.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033514 6596 301.6 UdeM00000033514 XP_045161140.1 64.3 221
78 1 8 227 10 230 9.90E-79 301.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033515 6573 110.5 UdeM00000033515 XP_021372591.1 65 80
24 1 39 118 30 105 1.50E-21 110.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033516 6596 206.1 UdeM00000033516 XP_045161140.1 65.8 152
51 1 12 163 87 237 3.50E-50 206.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033517 6596 110.2 UdeM00000033517 XP_045161140.1 69 71
22 0 52 122 53 123 2.00E-21 110.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033518 6579 184.5 UdeM00000033518 XP_033763365.1 33.2 346
214 8 1 342 797 1129 2.40E-43 184.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000033519 6596 76.6 UdeM00000033519 XP_045162803.1 46.4 97
41 2 22 108 392 487 2.10E-11 76.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033521 6573 1373.2 UdeM00000033521 XP_021368707.1 43.2
1662 918 12 1 1650 1 1648 0.00E+00 1373.2 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033522 6596 124.4 UdeM00000033522 XP_045190982.1 40.8 142
74 3 18 152 32 170 1.20E-25 124.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

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Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033523 6596 139 UdeM00000033523 XP_045206881.1 42.7 164
82 5 1 159 1 157 5.10E-30 139 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033524 6573 1373.2 UdeM00000033524 XP_021368707.1 42.6
1672 925 12 1 1661 1 1648 0.00E+00 1373.2 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033525 6573 1380.5 UdeM00000033525 XP_021368707.1 42.9
1661 925 11 1 1650 1 1648 0.00E+00 1380.5 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033526 6565 247.7 UdeM00000033526 XP_022346198.1 53.4 223
96 2 79 293 43 265 1.90E-62 247.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033527 6565 228 UdeM00000033527 XP_022346195.1 54.4 206
85 3 1 198 62 266 1.00E-56 228 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033528 6565 225.7 UdeM00000033528 XP_022346195.1 57.8 185
71 2 6 184 83 266 4.80E-56 225.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033529 6596 133.7 UdeM00000033529 XP_045207460.1 42.5 146
78 3 40 183 45 186 5.70E-28 133.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033530 1735272 299.3 UdeM00000033530 XP_041379055.1 62.4
221 83 0 24 244 35 255 4.50E-78 299.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033531 400727 290.4 UdeM00000033531 XP_025092513.1 63.1
214 79 0 1 214 29 242 1.80E-75 290.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000033532 6596 143.3 UdeM00000033532 XP_045207460.1 40.1 172
 93 5 27 191 18 186 5.70E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033533 6596 143.3 UdeM00000033533 XP_045207460.1 40.1 172
 93 5 27 191 18 186 5.20E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033536 6596 387.1 UdeM00000033536 XP_045177776.1 33.1 818
 473 21 300 1072 402 1190 7.20E-104 387.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033538 33528 87.4 UdeM00000033538 XP_043978578.1 28.5 214
 122 5 2 197 30 230 2.90E-14 87.4 33528 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Gambusia;Gambusi
 a affinis

UdeM00000033537 13397 88.6 UdeM00000033537 XP_041062505.1 26.9 305
 161 9 3 270 26 305 1.30E-14 88.6 13397 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
 don;Carcharodon carcharias

UdeM00000033539 8245 59.7 UdeM00000033539 XP_040007666.1 34.4 90
 47 2 3 92 101 178 4.70E-06 59.7 8245 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Istiophoriformes;Xip
 hiidae;Xiphias;Xiphias gladius

UdeM00000033540 941984 108.6 UdeM00000033540 XP_040922238.1 37.4
 163 88 3 4 165 34 183 1.20E-20 108.6 941984
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Carangaria incertae
 sedis;Toxotidae;Toxotes;Toxotes jaculatrix

UdeM00000033541 433405 81.6 UdeM00000033541 XP_031701220.1 28.5
 214 122 5 2 196 30 231 1.60E-12 81.6 433405
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioid
ei;Zoarcales;Anarhichadidae;Anarrhichthys;Anarrhichthys ocellatus
UdeM00000033542 13397 80.5 UdeM00000033542 XP_041062505.1 26.8 302
164 9 3 269 26 305 3.60E-12 80.5 13397 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
don;Carcharodon carcharias
UdeM00000033543 6596 161.8 UdeM00000033543 XP_045163870.1 46.5 155
81 2 30 182 21 175 8.50E-37 161.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033544 29159 110.2 UdeM00000033544 XP_011456334.2 43.4 136
70 1 6 141 19 147 4.20E-21 110.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033548 33528 89.4 UdeM00000033548 XP_043978588.1 29.1 213
121 4 2 197 30 229 7.60E-15 89.4 33528 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Gambusia;Gambusi
a affinis
UdeM00000033550 90988 90.9 UdeM00000033550 XP_039503614.1 27 278
158 7 3 268 26 270 2.70E-15 90.9 90988 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
idei;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
UdeM00000033551 6596 392.9 UdeM00000033551 XP_045162242.1 33.8 722
356 8 18 632 72 778 7.90E-106 392.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033552 6596 389.4 UdeM00000033552 XP_045162242.1 33.4 731
361 11 12 633 66 779 8.70E-105 389.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033553 6596 507.3 UdeM00000033553 XP_045204674.1 45.1 585
312 7 9 592 1 577 2.60E-140 507.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033554 6579 66.6 UdeM00000033554 XP_033742659.1 31.5 124
 71 3 2 119 466 581 2.40E-08 66.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033555 6596 86.3 UdeM00000033555 XP_045173396.1 52.5 80
 37 1 1 80 92 170 2.70E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033556 6596 205.3 UdeM00000033556 XP_045173396.1 55.9 170
 74 1 42 211 2 170 7.90E-50 205.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033557 6596 470.7 UdeM00000033557 XP_045204106.1 52.3 455
 213 3 48 499 5 458 2.50E-129 470.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033558 6596 237.3 UdeM00000033558 XP_045204271.1 35.8 338
 213 4 1 337 245 579 2.90E-59 237.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033559 6596 253.4 UdeM00000033559 XP_045173396.1 54.2 227
 100 3 7 231 2 226 2.90E-64 253.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033560 6596 378.3 UdeM00000033560 XP_045204271.1 41.4 466
 265 5 3 465 119 579 1.50E-101 378.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033561 6596 379.8 UdeM00000033561 XP_045204673.1 43.4 470
 259 5 1 469 115 578 5.00E-102 379.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033562 6596 287.3 UdeM00000033562 XP_045162913.1 86.5 171
 22 1 1 170 1 171 1.20E-74 287.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033563 6596 319.3 UdeM00000033563 XP_045162913.1 87.6 185
 23 0 1 185 1 185 3.20E-84 319.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033564 1735272 180.3 UdeM00000033564 XP_041378161.1 43.9
 198 107 2 7 200 1 198 2.70E-42 180.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000033565 6565 1270.4 UdeM00000033565 XP_022342289.1 54.4
 1551 622 25 1 1503 1 1513 0.00E+00 1270.4 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033566 6565 588.6 UdeM00000033566 XP_022342288.1 46.7 1104
 492 27 1 1056 383 1438 1.60E-164 588.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033567 6596 399.1 UdeM00000033567 XP_045162447.1 75.9 261
 60 3 1 259 34 293 4.40E-108 399.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033569 6579 1069.7 UdeM00000033569 XP_033763612.1 75.3
 676 167 0 1 676 1 676 0.00E+00 1069.7 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033570 6596 453.8 UdeM00000033570 XP_045179877.1 42.5 560
 310 7 6 555 3 560 3.30E-124 453.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033571 6596 453.4 UdeM00000033571 XP_045179877.1 42.6 559
 309 7 1 549 4 560 4.20E-124 453.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033574 6596 432.6 UdeM00000033574 XP_045163662.1 39.5 559
 326 7 3 552 6 561 7.70E-118 432.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033576 1735272 210.7 UdeM00000033576 XP_041378362.1 43.3
630 302 17 21 622 21 623 5.40E-51 210.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033577 6573 225.3 UdeM00000033577 XP_021363050.1 46.1 245
122 3 62 298 60 302 1.10E-55 225.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033580 1735272 207.2 UdeM00000033580 XP_041356266.1 49.4
180 91 0 1 180 429 608 1.70E-50 207.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033581 6596 80.5 UdeM00000033581 XP_045192251.1 52.7 91
39 3 133 220 330 419 3.00E-12 80.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033582 6596 603.2 UdeM00000033582 XP_045163606.1 69.5 426
92 2 5 395 98 520 2.40E-169 603.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033583 6579 117.1 UdeM00000033583 XP_033763904.1 34.6 211
113 5 906 1099 158 360 1.70E-22 117.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033585 6573 230.3 UdeM00000033585 XP_021376553.1 45 260
138 2 1 256 189 447 3.00E-57 230.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033586 6573 142.1 UdeM00000033586 XP_021376553.1 51.9 133
60 2 77 207 1 131 7.80E-31 142.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033588 29159 68.2 UdeM00000033588 XP_019918807.2 22 428
276 12 271 691 650 1026 4.80E-08 68.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033589 6596 748.8 UdeM00000033589 XP_045161121.1 51.5 699
332 5 214 907 82 778 8.00E-213 748.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033590 6573 2988 UdeM00000033590 XP_021353290.1 44.4 3472
1847 34 1 3413 4784 8229 0.00E+00 2988 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033591 6579 436.8 UdeM00000033591 XP_033724554.1 33.3 861
497 20 8 816 1397 2232 6.40E-119 436.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033592 6596 1321.2 UdeM00000033592 XP_045156859.1 30.1
2542 1582 46 277 2708 4897 7352 0.00E+00 1321.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033593 6573 677.2 UdeM00000033593 XP_021353290.1 31.3 1339
852 29 9 1311 169 1475 4.30E-191 677.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033594 6573 339.3 UdeM00000033594 XP_021353372.1 28.4 760
332 17 97 724 2445 3124 1.20E-89 339.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033595 6565 500.4 UdeM00000033595 XP_022341753.1 25 1714
558 29 885 1877 658 2364 1.00E-137 500.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041278 6596 326.2 UdeM00000041278 XP_045192847.1 67.2 262
84 2 9 270 11 270 4.70E-86 326.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041280 1735272 552.4 UdeM00000041280 XP_041376948.1 77.9
321 71 0 84 404 18 338 5.60E-154 552.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043843 29159 305.4 UdeM00000043843 XP_034308217.1 35.9 443
257 4 32 448 8 449 1.20E-79 305.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043844 29159 305.8 UdeM00000043844 XP_034308217.1 35.9 443
257 4 37 453 8 449 9.00E-80 305.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043845 29159 288.1 UdeM00000043845 XP_034308217.1 34.8 443
262 4 81 497 8 449 2.20E-74 288.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043846 29159 288.1 UdeM00000043846 XP_034308217.1 34.8 443
262 4 8 424 8 449 1.80E-74 288.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043847 6596 528.5 UdeM00000043847 XP_045171564.1 35.7 1187
595 45 2 1132 499 1573 2.10E-146 528.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043848 6565 209.9 UdeM00000043848 XP_022299727.1 46.5 228
119 2 1 226 46 272 3.60E-51 209.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043849 6596 396 UdeM00000043849 XP_045171564.1 58.6 321
131 2 9 328 189 508 4.80E-107 396 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043850 6565 134 UdeM00000043850 XP_022343716.1 43.8 201
95 6 6 203 4 189 2.10E-28 134 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043852 29159 115.9 UdeM00000043852 XP_034339168.1 37.5 192
94 4 1 167 166 356 6.30E-23 115.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000044348 6596 369 UdeM00000044348 XP_045201497.1 54.5 321
136 1 1 321 1 311 6.10E-99 369 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044350 6596 125.2 UdeM00000044350 XP_045171743.1 44.4 153
81 2 12 160 54 206 7.70E-26 125.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041024 1735272 131.3 UdeM00000041024 XP_041360711.1 34.7
199 117 3 2 198 3 190 1.50E-27 131.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041025 6565 87 UdeM00000041025 XP_022297828.1 54.5 77
31 3 13 87 70 144 1.30E-14 87 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041026 6565 773.5 UdeM00000041026 XP_022299017.1 29.8 1861
1165 42 64 1900 377 2119 6.30E-220 773.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041027 6573 72.8 UdeM00000041027 XP_021372396.1 27.1 192
126 6 183 366 281 466 1.10E-09 72.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041032 6579 855.1 UdeM00000041032 XP_033739131.1 60.9 645
250 2 1 644 726 1369 5.60E-245 855.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036145 6596 502.3 UdeM00000036145 XP_045194118.1 35.2 915
492 14 74 905 1655 2551 1.60E-138 502.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036147 88082 77 UdeM00000036147 XP_039177253.1 33.3 138
71 3 1 117 2499 2636 3.60E-11 77 88082 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Serpentes;Colubroidea;Viperidae;Crotalinae;Crotalus;Crotalus tigris

UdeM00000036150 6596 312 UdeM00000036150 XP_045194118.1 36.2 531
253 7 1 457 1708 2226 1.30E-81 312 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036151 6596 487.6 UdeM00000036151 XP_045194118.1 34.3 858
472 11 1 780 1708 2551 3.40E-134 487.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036152 6596 184.5 UdeM00000036152 XP_045194118.1 31.8 318
212 3 28 341 2235 2551 3.20E-43 184.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035004 6596 128.6 UdeM00000035004 XP_045204527.1 34.2 202
 127 2 346 542 206 406 2.30E-26 128.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035007 6565 157.9 UdeM00000035007 XP_022320073.1 34.3 236
 150 3 615 845 443 678 5.60E-35 157.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035008 225164 354.8 UdeM00000035008 XP_009062152.1 51.5
 338 145 4 24 356 362 685 1.30E-94 354.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035009 225164 362.8 UdeM00000035009 XP_009062152.1 53
 328 145 3 24 346 362 685 4.70E-97 362.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035011 6596 169.1 UdeM00000035011 XP_045206665.1 36.8 269
 143 8 263 521 54 305 1.50E-38 169.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035013 6596 169.1 UdeM00000035013 XP_045206665.1 36.8 269
 143 8 61 319 54 305 9.20E-39 169.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035014 6565 134.4 UdeM00000035014 XP_022320730.1 32.5 249
 143 5 318 544 273 518 4.30E-28 134.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035016 7604 302.4 UdeM00000035016 XP_033633146.1 41 390
 212 3 262 633 29 418 2.40E-78 302.4 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroiidae;Asteroidea;Asteroidea rubens
 UdeM00000035017 6596 149.4 UdeM00000035017 XP_045204527.1 30.9 236
 159 2 48 283 173 404 6.80E-33 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035018 6596 293.1 UdeM00000035018 XP_045204528.1 44 336
 173 4 80 413 74 396 5.50E-76 293.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035019 6596 128.6 UdeM00000035019 XP_045204528.1 32.4 216
 133 4 48 250 181 396 1.10E-26 128.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035022 6596 662.5 UdeM00000035022 XP_045202954.1 55.1 577
 247 4 2 567 26 601 4.70E-187 662.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035023 75366 446 UdeM00000035023 XP_016132731.1 63.8 376
 136 0 1 376 229 604 4.70E-122 446 75366 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 idei;Cyprinidae;Cyprininae;Sinocyclocheilus;Sinocyclocheilus grahami

UdeM00000035024 6596 455.7 UdeM00000035024 XP_045184046.1 43.9 508
 272 4 27 528 11 511 8.90E-125 455.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035025 6596 388.3 UdeM00000035025 XP_045184046.1 38.1 520
 310 7 1 513 47 561 1.60E-104 388.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035026 6596 433.7 UdeM00000035026 XP_045184046.1 40.6 534
 302 8 9 534 9 535 3.30E-118 433.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035027 6596 402.9 UdeM00000035027 XP_045184046.1 42.5 475
 257 8 1 466 47 514 5.80E-109 402.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035028 6596 383.6 UdeM00000035028 XP_045184046.1 38.2 524
 291 9 1 496 39 557 3.80E-103 383.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035029 6596 621.3 UdeM00000035029 XP_045205200.1 41.6 896
 427 16 331 1180 194 1039 2.50E-174 621.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035030 6596 612.1 UdeM00000035030 XP_045205200.1 40.4 913
 447 17 331 1213 194 1039 1.60E-171 612.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035031 6596 626.3 UdeM00000035031 XP_045205200.1 41.1 913
 448 16 331 1220 194 1039 8.00E-176 626.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035032 1735272 1637.1 UdeM00000035032 XP_041358787.1
 60.6 1286 497 8 1 1283 3 1281 0.00E+00 1637.1
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035033 29159 372.9 UdeM00000035033 XP_011456426.2 68.6 271
 82 2 1 270 1 269 3.60E-100 372.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035034 6596 318.2 UdeM00000035034 XP_045203457.1 63.9 244
 87 1 1 244 1 243 9.50E-84 318.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035035 1735272 422.9 UdeM00000035035 XP_041359277.1 53.9
 384 174 3 11 394 38 418 4.50E-115 422.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035036 1735272 466.5 UdeM00000035036 XP_041359277.1 54.2
 421 190 3 1 421 1 418 3.80E-128 466.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035037 225164 374.4 UdeM00000035037 XP_009062152.1 53.4
 328 144 3 73 395 362 685 1.90E-100 374.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000035038 225164 366.7 UdeM00000035038 XP_009062152.1 49.6
359 169 4 50 403 334 685 3.80E-98 366.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000035039 6596 62 UdeM00000035039 XP_045203144.1 30.6 134
81 3 5 134 463 588 6.70E-07 62 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035040 6596 127.9 UdeM00000035040 XP_045204673.1 39.2 148
89 1 1 148 284 430 1.10E-26 127.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035041 6596 149.1 UdeM00000035041 XP_045208604.1 54.7 128
56 1 41 166 7 134 5.10E-33 149.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035042 6596 496.5 UdeM00000035042 XP_045204674.1 44.9 581
310 8 7 585 4 576 4.60E-137 496.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035044 6579 251.1 UdeM00000035044 XP_033752673.1 43.5 299
75 1 11 215 353 651 1.20E-63 251.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035043 225164 90.9 UdeM00000035043 XP_009058199.1 61.8
55 21 0 63 117 610 664 1.20E-15 90.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000035045 225164 67 UdeM00000035045 XP_009058199.1 46.8
79 35 2 1 79 31 102 1.30E-08 67 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000035047 69319 96.7 UdeM00000035047 XP_008557728.1 52.3 86
34 2 2 82 701 784 1.50E-17 96.7 69319 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para

sitoida; Ichneumonoidea; Braconidae; Microgastrinae; Microplitis; Microplitis demolitor
 UdeM00000035048 215358 164.9 UdeM00000035048 XP_027132200.1 33.8
 293 173 7 1 284 1 281 1.60E-37 164.9 215358
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Eupercaria; Eupercaria incertae sedis; Sciaenidae; Larimichthys; Larimichthys crocea
 UdeM00000035049 30732 184.9 UdeM00000035049 XP_024118320.1 43.8 208
 115 2 14 221 409 614 1.10E-43 184.9 30732 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Atherinomorphae; Beloniformes; Adrianichthyoidei; Adrianichthyidae; Oryziinae; Oryzias; Oryzias melastigma
 UdeM00000035050 375764 126.3 UdeM00000035050 XP_029977959.1 56.1
 98 43 0 11 108 34 131 2.40E-26 126.3 375764
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Gobiaria; Kurtiformes; Apogonoidei; Apogonidae; Apogoninae; Sphaeramia; Sphaeramia orbicularis
 UdeM00000035051 6596 490.3 UdeM00000035051 XP_045204674.1 44.1 581
 315 8 7 585 4 576 3.30E-135 490.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000035052 6579 170.2 UdeM00000035052 XP_033752673.1 62.9 124
 46 0 21 144 528 651 1.90E-39 170.2 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000035054 225164 357.8 UdeM00000035054 XP_009062152.1 53.6
 323 138 4 2 316 367 685 1.40E-95 357.8 225164
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidae; Lottiidae; Lottia; Lottia gigantea
 UdeM00000035055 6596 112.1 UdeM00000035055 XP_045203146.1 36.2 185
 114 2 1 185 398 578 7.80E-22 112.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000035056 6596 131.7 UdeM00000035056 XP_045198473.1 58.8 102
 42 0 16 117 13 114 6.10E-28 131.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035057 6579 304.3 UdeM00000035057 XP_033742173.1 40.3 590
276 9 1 534 1 570 3.10E-79 304.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035058 6565 139.8 UdeM00000035058 XP_022326746.1 70.3 91
27 0 1 91 1 91 1.70E-30 139.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035059 6596 244.6 UdeM00000035059 XP_045204501.1 44.3 305
162 4 25 328 24 321 1.90E-61 244.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035061 6596 194.5 UdeM00000035061 XP_045205379.1 36.8 321
179 8 7 306 2 319 4.40E-46 194.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035062 6596 203 UdeM00000035062 XP_045205379.1 38 324
174 10 6 309 3 319 1.40E-48 203 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035063 6565 80.5 UdeM00000035063 XP_022336362.1 40.4 89
53 0 35 123 23 111 1.80E-12 80.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035064 6565 129.8 UdeM00000035064 XP_022325109.1 35.4 198
127 1 5 202 1007 1203 1.50E-26 129.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035065 6596 193 UdeM00000035065 XP_045204557.1 35.9 301
183 6 13 311 308 600 6.20E-46 193 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035066 6596 82.4 UdeM00000035066 XP_045202434.1 48.8 84
39 1 29 112 236 315 4.00E-13 82.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035067 6596 993.4 UdeM00000035067 XP_045204426.1 76.6 608
 133 5 1 605 1 602 1.20E-286 993.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035068 6573 267.7 UdeM00000035068 XP_021371193.1 60.1 198
 78 1 13 209 13 210 1.20E-68 267.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035069 6573 264.6 UdeM00000035069 XP_021371194.1 59.7 196
 78 1 13 207 13 208 1.00E-67 264.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035070 6596 509.6 UdeM00000035070 XP_045204674.1 45.6 581
 306 8 11 589 4 576 5.30E-141 509.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035071 6596 386.3 UdeM00000035071 XP_045204674.1 43.1 490
 270 7 1 488 94 576 5.60E-104 386.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035072 41139 171.8 UdeM00000035072 XP_044760115.1 50.6 170
 75 3 2 166 735 900 7.40E-40 171.8 41139 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Cucujoidea;Coccinellidae;Coccinellinae;Coccinellini;Coccinella;C
 occinella septempunctata
 UdeM00000035075 6596 485.7 UdeM00000035075 XP_045173396.1 42.5 583
 326 6 12 590 2 579 8.20E-134 485.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035076 225164 365.9 UdeM00000035076 XP_009062152.1 54.8
 323 137 3 2 319 367 685 5.10E-98 365.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035077 6596 305.8 UdeM00000035077 XP_045204271.1 35.6 494
 272 8 1 454 92 579 9.00E-80 305.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035078 6596 375.2 UdeM00000035078 XP_045204106.1 56.1 328
 140 3 3 326 8 335 9.20E-101 375.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035079 6565 148.3 UdeM00000035079 XP_022321199.1 35.9 223
 138 3 5 227 364 581 1.20E-32 148.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035080 225164 370.9 UdeM00000035080 XP_009062152.1 54
 328 142 3 23 345 362 685 1.70E-99 370.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000035082 6596 309.7 UdeM00000035082 XP_045204176.1 55.9 261
 113 1 12 272 2 260 3.70E-81 309.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035083 6596 163.3 UdeM00000035083 XP_045204673.1 38.1 194
 119 1 1 194 284 476 3.10E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035084 225164 355.5 UdeM00000035084 XP_009062152.1 53.3
 323 142 3 2 319 367 685 6.90E-95 355.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000035086 6596 501.1 UdeM00000035086 XP_045204106.1 50.3 497
 242 4 1 493 1 496 1.90E-138 501.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035087 400727 366.7 UdeM00000035087 XP_025109728.1 53.9
 330 143 3 21 345 346 671 3.30E-98 366.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000035089 6596 376.7 UdeM00000035089 XP_045204106.1 55.2 330
 145 2 15 341 14 343 3.10E-101 376.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035090 6565 124.4 UdeM00000035090 XP_022321199.1 36.4 184
 114 1 1 184 401 581 1.50E-25 124.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035091 6596 256.9 UdeM00000035091 XP_045204176.1 53.1 245
 107 2 30 268 2 244 3.30E-65 256.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035092 6596 498.8 UdeM00000035092 XP_045204106.1 50.2 488
 239 3 23 507 10 496 9.60E-138 498.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035093 225164 363.6 UdeM00000035093 XP_009062152.1 54.3
 328 141 3 73 395 362 685 3.10E-97 363.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035094 6596 246.9 UdeM00000035094 XP_045208604.1 52.4 225
 105 1 31 253 2 226 2.80E-62 246.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035095 6565 130.6 UdeM00000035095 XP_022326993.1 36.4 198
 116 3 3 196 390 581 2.20E-27 130.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035096 326594 93.6 UdeM00000035096 XP_011496778.1 46.4
 110 52 2 43 147 582 689 2.30E-16 93.6 326594
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
 sitoida;Chalcidoidea;Agaonidae;Agaoninae;Ceratosolen;Ceratosolen
 solmsi;Ceratosolen solmsi marchali
 UdeM00000035097 225164 275.4 UdeM00000035097 XP_009062152.1 59.4
 207 84 0 23 229 362 568 6.60E-71 275.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035099 6596 488 UdeM00000035099 XP_045204674.1 43.5 581
 318 8 12 590 4 576 1.70E-134 488 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029046 6596 795.4 UdeM00000029046 XP_045192328.1 70 544
 157 4 1 540 1 542 6.70E-227 795.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029047 6596 800.4 UdeM00000029047 XP_045192328.1 70.2 543
 157 3 1 539 1 542 2.10E-228 800.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029048 6573 96.3 UdeM00000029048 XP_021369989.1 61.7 81
 26 2 1 77 323 402 8.20E-17 96.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029049 6596 64.3 UdeM00000029049 XP_045177042.1 37.9 87
 50 3 1 85 29 113 1.10E-07 64.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029050 1735272 458.8 UdeM00000029050 XP_041348317.1 56.6
 392 169 1 6 397 148 538 7.50E-126 458.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029051 6573 76.3 UdeM00000029051 XP_021370979.1 35.7 126
 72 2 1 124 1 119 4.70E-11 76.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029052 6573 504.6 UdeM00000029052 XP_021370979.1 31.2 1167
 617 29 1 1141 510 1516 3.30E-139 504.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029053 1735272 132.5 UdeM00000029053 XP_041350107.1 41
 188 65 7 2 187 72 215 3.30E-27 132.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029054 1735272 381.3 UdeM00000029054 XP_041348497.1 38.1
 557 330 6 395 947 503 1048 3.50E-102 381.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029056 6596 229.9 UdeM00000029056 XP_045164978.1 44.8 391
 145 8 100 423 88 474 5.90E-57 229.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029057 6596 251.1 UdeM00000029057 XP_045164978.1 46.1 408
149 8 100 440 88 491 2.50E-63 251.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029058 29159 515.4 UdeM00000029058 XP_011414388.1 82.9 292
50 0 1 292 1 292 4.80E-143 515.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029059 6596 404.8 UdeM00000029059 XP_045164764.1 71.7 290
72 2 1 289 1 281 9.00E-110 404.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029060 6596 573.2 UdeM00000029060 XP_045165956.1 68.2 400
126 1 48 446 46 445 3.00E-160 573.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029068 7739 58.5 UdeM00000029068 XP_035672209.1 55.3 47
20 1 23 69 505 550 9.50E-06 58.5 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000029069 6596 78.2 UdeM00000029069 XP_045164318.1 35.9 103
54 3 5 96 6 107 3.60E-11 78.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029070 6596 78.2 UdeM00000029070 XP_045164318.1 35.9 103
54 3 5 96 6 107 1.10E-11 78.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029071 6596 74.3 UdeM00000029071 XP_045164318.1 27.6 239
138 10 5 214 6 238 3.10E-10 74.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029074 6565 82.8 UdeM00000029074 XP_022302776.1 36.2 224
128 6 19 229 25 246 9.50E-13 82.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029075 6596 70.5 UdeM00000029075 XP_045196479.1 40.9 88
 48 2 4 91 109 192 1.30E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029076 6596 289.3 UdeM00000029076 XP_045175277.1 45.8 319
 162 3 26 333 11 329 6.40E-75 289.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029078 6596 248.4 UdeM00000029078 XP_045188938.1 43.9 280
 155 2 4 282 20 298 1.10E-62 248.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029079 6596 203 UdeM00000029079 XP_045166785.1 40 290
 158 10 62 344 39 319 6.30E-49 203 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029080 6596 271.2 UdeM00000029080 XP_045167324.1 31.6 561
 313 17 59 570 41 579 3.40E-69 271.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029081 6596 548.5 UdeM00000029081 XP_045167324.1 35.5 941
 539 28 59 962 41 950 1.70E-152 548.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029082 6596 542 UdeM00000029082 XP_045167324.1 34.6 940
 550 26 31 935 41 950 1.50E-150 542 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029083 72036 196.4 UdeM00000029083 XP_040576246.1 30.7 469
 181 9 3 335 1 461 5.70E-47 196.4 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000029084 6579 437.6 UdeM00000029084 XP_033727104.1 40.1 519
 292 9 3 510 16 526 2.40E-119 437.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029085 46731 82.4 UdeM00000029085 XP_027042029.1 40.5 121
 68 2 25 144 32 149 5.90E-13 82.4 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000029086 1735272 630.9 UdeM00000029086 XP_041374928.1 77.3
 419 91 1 23 441 1078 1492 1.20E-177 630.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029089 151771 206.8 UdeM00000029089 XP_028415423.1 28.8
 511 228 8 3 382 5 510 8.60E-50 206.8 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029090 6526 80.9 UdeM00000029090 XP_013062120.1 52.9 70
 33 0 28 97 275 344 1.00E-12 80.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000029091 6105 74.3 UdeM00000029091 XP_031573684.1 41.1 112
 59 2 179 290 45 149 2.80E-10 74.3 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000029093 2607531 70.5 UdeM00000029093 XP_029643184.1 34.3
 137 78 3 1 134 1 128 2.90E-09 70.5 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000029094 29159 173.3 UdeM00000029094 XP_011416080.2 75.8 99
 24 0 13 111 4 102 1.70E-40 173.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029095 6573 86.7 UdeM00000029095 XP_021371694.1 34.9 195
 84 7 58 225 34 212 4.30E-14 86.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029096 6573 86.7 UdeM00000029096 XP_021371694.1 34.9 195
 84 7 25 192 34 212 3.70E-14 86.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029097 6596 58.2 UdeM00000029097 XP_045206071.1 26.2 141
 75 2 2 113 184 324 9.40E-06 58.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029098 6596 209.1 UdeM00000029098 XP_045172484.1 23.6 694
 462 17 62 731 74 723 1.80E-50 209.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029099 6596 505.8 UdeM00000029099 XP_045165614.1 42.1 675
 309 12 47 705 14 622 9.10E-140 505.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029100 29159 77.8 UdeM00000029100 XP_034305523.1 54.5 66
 30 0 1 66 794 859 7.10E-12 77.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029101 6579 402.1 UdeM00000029101 XP_033739131.1 62.2 294
 111 0 1 294 1077 1370 6.00E-109 402.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029102 29159 130.2 UdeM00000029102 XP_034307199.1 76.5 81
 17 1 117 195 103 183 2.90E-27 130.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029103 6596 664.1 UdeM00000029103 XP_045164809.1 84.7 366
 54 1 114 477 147 512 1.40E-187 664.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029104 29159 357.5 UdeM00000029104 XP_034305429.1 59.6 401
 160 2 1 399 1 401 2.30E-95 357.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029105 80427 118.2 UdeM00000029105 XP_032998211.1 35.5 197
 109 4 575 766 367 550 4.50E-23 118.2 80427 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Laterata;Lacertibaenia;L
 accertidae;Lacertinae;Lacerta;Lacerta agilis
 UdeM00000029106 6596 234.6 UdeM00000029106 XP_045169782.1 47.6 233
 121 1 1 232 56 288 1.30E-58 234.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029107 6526 557.8 UdeM00000029107 XP_013085681.1 76.8 354
 81 1 1 353 20 373 1.00E-155 557.8 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000029108 6565 14710.4 UdeM00000029108 XP_022297807.1 44.2
21403 11001 239 5 20953 12 20917 0.00E+00 14710.4 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029109 6565 14745.8 UdeM00000029109 XP_022297807.1 44.2
21403 11001 238 5 20968 12 20917 0.00E+00 14745.8 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029110 6596 132.5 UdeM00000029110 XP_045164347.1 34.1 270
155 10 59 318 41 297 1.20E-27 132.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029113 6596 429.5 UdeM00000029113 XP_045167324.1 36.2 674
370 18 40 668 292 950 7.90E-117 429.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029114 6596 143.3 UdeM00000029114 XP_045167324.1 34.2 199
121 3 64 252 371 569 4.30E-31 143.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029115 1735272 212.6 UdeM00000029115 XP_041378881.1 38
363 171 14 5 332 603 946 7.80E-52 212.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029116 1735272 228 UdeM00000029116 XP_041378881.1 38.8
363 174 13 5 338 603 946 1.80E-56 228 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029117 6565 63.5 UdeM00000029117 XP_022302312.1 34.7 75
49 0 2 76 22 96 1.30E-07 63.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029119 225164 201.8 UdeM00000029119 XP_009044734.1 73.5
136 28 3 1 132 14 145 5.80E-49 201.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000029118 225164 293.9 UdeM00000029118 XP_009044734.1 75.3
186 38 3 1 182 14 195 1.90E-76 293.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000029120 6596 109 UdeM00000029120 XP_045165989.1 31.7 186
118 6 69 250 35 215 1.60E-20 109 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029121 6596 107.1 UdeM00000029121 XP_045165989.1 30.5 210
134 7 309 512 38 241 6.90E-20 107.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029122 1735272 204.5 UdeM00000029122 XP_041348725.1 57.9
195 63 4 9 200 296 474 1.20E-49 204.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029123 7574 221.1 UdeM00000029123 XP_013408784.1 50.5 220
67 1 47 224 127 346 1.40E-54 221.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000029125 6573 499.6 UdeM00000029125 XP_021371790.1 78 304
67 0 22 325 96 399 3.10E-138 499.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029124 6596 529.3 UdeM00000029124 XP_045165994.1 69.8 374
108 1 17 385 89 462 1.30E-146 529.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029126 6573 233.8 UdeM00000029126 XP_021371790.1 69.4 160
48 1 19 177 277 436 9.70E-58 233.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029127 6596 807.4 UdeM00000029127 XP_045167278.1 57.7 664
278 2 1 662 10 672 1.40E-230 807.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029128 6573 815.1 UdeM00000029128 XP_021364165.1 68 609
 167 8 1 597 1 593 6.00E-233 815.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029129 6579 630.2 UdeM00000029129 XP_033745226.1 44.7 844
 378 20 1 803 1 796 3.70E-177 630.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029130 1735272 221.5 UdeM00000029130 XP_041347818.1 40.5
 326 185 4 66 384 69 392 1.90E-54 221.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029131 400727 257.3 UdeM00000029131 XP_025106490.1 81.9
 149 27 0 1 149 1 149 1.20E-65 257.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000029132 37653 168.7 UdeM00000029132 XP_014782898.1 72.6 106
 26 1 17 119 331 436 6.40E-39 168.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000029133 29159 411.8 UdeM00000029133 XP_011446959.2 51.2 555
 202 16 34 528 163 708 1.40E-111 411.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029134 1735272 334.3 UdeM00000029134 XP_041347144.1 64.1
 231 83 0 1 231 1 231 1.20E-88 334.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029135 6579 775.8 UdeM00000029135 XP_033744943.1 80.5 488
 74 7 1 481 1 474 3.20E-221 775.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029136 6596 376.7 UdeM00000029136 XP_045166545.1 59.1 291
 117 1 9 297 3 293 2.80E-101 376.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029137 6596 960.7 UdeM00000029137 XP_045167176.1 43.8 1269
 649 16 1 1226 1 1248 1.80E-276 960.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029138 6596 466.8 UdeM00000029138 XP_045167176.1 36.8 1325
 792 14 1 1307 1275 2571 9.20E-128 466.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029139 6596 250 UdeM00000029139 XP_045165356.1 67.7 186
 55 3 1 185 1 182 2.50E-63 250 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029140 6596 526.6 UdeM00000029140 XP_045165355.1 42.6 779
 358 19 1 721 1 748 5.50E-146 526.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029141 6596 906 UdeM00000029141 XP_045165369.1 82.7 566
 91 6 1 564 1 561 2.40E-260 906 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029142 6573 292 UdeM00000029142 XP_021344022.1 61.3 230
 80 3 2 222 3 232 6.60E-76 292 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029143 6573 444.9 UdeM00000029143 XP_021343957.1 73 281
 76 0 6 286 8 288 7.80E-122 444.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029144 6596 239.2 UdeM00000029144 XP_045164817.1 36.5 493
 263 13 10 471 6 479 1.10E-59 239.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029145 6565 149.8 UdeM00000029145 XP_022296688.1 50.7 138
 58 2 1 138 36 163 2.50E-33 149.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029146 6689 186.8 UdeM00000029146 XP_027207501.1 49.2 177
 89 1 46 222 1826 2001 3.00E-44 186.8 6689 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus vannamei

UdeM00000043526 1735272 125.6 UdeM00000043526 XP_041366888.1 24.6
 475 284 14 13 429 29 487 1.60E-25 125.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043527 6596 197.2 UdeM00000043527 XP_045199754.1 41.5 337
 144 8 1 289 1 332 2.90E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043528 6596 266.9 UdeM00000043528 XP_045199754.1 46.7 338
 151 7 1 317 1 330 3.20E-68 266.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043529 6565 76.6 UdeM00000043529 XP_022341888.1 48.6 72
 37 0 15 86 812 883 6.20E-11 76.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043530 6565 184.1 UdeM00000043530 XP_022299727.1 45.9 196
 105 1 5 200 83 277 2.00E-43 184.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043531 29159 511.5 UdeM00000043531 XP_011435928.2 40.6 835
 437 15 1 814 1 797 1.90E-141 511.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043532 6596 218 UdeM00000043532 XP_045199314.1 68.6 159
 46 2 1 157 1 157 8.50E-54 218 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034244 6579 620.9 UdeM00000034244 XP_033733400.1 57.1 580
 147 7 14 575 19 514 3.30E-174 620.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034245 6596 1067.4 UdeM00000034245 XP_045209371.1 66.3
 744 249 2 14 757 18 759 0.00E+00 1067.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034246 6596 1065.4 UdeM00000034246 XP_045209371.1 65.3
 760 260 3 5 764 4 759 3.20E-308 1065.4 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034247 6565 72 UdeM00000034247 XP_022326036.1 74.7 75
19 0 11 85 5 79 4.10E-10 72 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034248 6596 617.8 UdeM00000034248 XP_045209831.1 73.2 403
107 1 29 431 4 405 1.00E-173 617.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034249 6596 208.8 UdeM00000034249 XP_045208536.1 32.1 389
211 7 6 369 1 361 1.20E-50 208.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034250 6596 136.7 UdeM00000034250 XP_045162869.1 38.7 186
108 4 52 232 189 373 3.70E-29 136.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034253 6579 1307.4 UdeM00000034253 XP_033733003.1 75
879 172 7 1 865 1 845 0.00E+00 1307.4 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034254 6579 1323.5 UdeM00000034254 XP_033733003.1 75.5
879 174 6 1 872 1 845 0.00E+00 1323.5 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034255 6596 1250.7 UdeM00000034255 XP_045210369.1 51.3
1256 583 11 1 1250 62 1294 0.00E+00 1250.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034256 6596 1329.7 UdeM00000034256 XP_045210369.1 51.8
1301 604 10 37 1331 11 1294 0.00E+00 1329.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034257 6596 578.6 UdeM00000034257 XP_045210369.1 57.8 479
 202 0 1 479 816 1294 7.60E-162 578.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034258 6579 213.8 UdeM00000034258 XP_033745805.1 46.1 269
 129 6 3 258 29 294 2.70E-52 213.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034259 6579 308.5 UdeM00000034259 XP_033730215.1 46.6 322
 167 3 6 322 264 585 1.00E-80 308.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034260 6579 142.5 UdeM00000034260 XP_033745803.1 42 174
 98 1 6 176 264 437 5.30E-31 142.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034261 6579 249.2 UdeM00000034261 XP_033761616.1 55.5 218
 95 1 4 219 8 225 4.80E-63 249.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034262 6596 413.7 UdeM00000034262 XP_045210369.1 45.4 487
 247 8 1 484 62 532 3.30E-112 413.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034263 6596 787.7 UdeM00000034263 XP_045210369.1 53.3 719
 334 1 1 717 576 1294 1.20E-224 787.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034264 6596 827.4 UdeM00000034264 XP_045210369.1 53.9 748
 343 1 3 748 547 1294 1.50E-236 827.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034265 6596 218.8 UdeM00000034265 XP_045209472.1 65.7 327
 84 12 1 313 1 313 9.90E-54 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034266 6596 165.2 UdeM00000034266 XP_045209472.1 60.9 174
 57 6 1 169 1 168 7.10E-38 165.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034267 6526 79.7 UdeM00000034267 XP_013080019.1 46 215
 108 2 1 213 1 209 4.90E-12 79.7 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000034268 7574 89 UdeM00000034268 XP_013384015.1 57.5 87
 36 1 6 92 186 271 5.50E-15 89 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000034271 6596 398.3 UdeM00000034271 XP_045209230.1 59.6 322
 125 3 1 317 6 327 9.70E-108 398.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034270 6596 490.3 UdeM00000034270 XP_045209230.1 62.8 379
 135 4 1 373 6 384 2.20E-135 490.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034272 6596 112.8 UdeM00000034272 XP_045180427.1 39 177
 105 2 76 250 98 273 6.50E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034273 6596 1467.6 UdeM00000034273 XP_045209230.1 72.4
 937 255 2 2 934 386 1322 0.00E+00 1467.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034274 400727 216.1 UdeM00000034274 XP_025094200.1 43.2
 234 131 1 1 234 1 232 4.80E-53 216.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000034275 29159 213 UdeM00000034275 XP_011423583.2 45.6 206
 110 2 2 207 29 232 3.60E-52 213 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034277 6565 364.4 UdeM00000034277 XP_022329293.1 71.3 254
 73 0 1 254 841 1094 1.20E-97 364.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034276 6596 937.6 UdeM00000034276 XP_045208008.1 68.5 701
 204 2 78 778 419 1102 1.00E-269 937.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034278 7906 119.4 UdeM00000034278 XP_033868128.2 35.9 198
 112 8 9 206 8 190 6.20E-24 119.4 7906 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidei;Acipen
 seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000034281 46514 134.4 UdeM00000034281 XP_038058294.1 80.8 78
 15 0 1 78 1 78 6.60E-29 134.4 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000034283 29159 1144.4 UdeM00000034283 XP_011423958.1 71.1
 922 225 12 14 909 59 965 0.00E+00 1144.4
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034284 6596 237.3 UdeM00000034284 XP_045207983.1 62.5 192
 69 2 1 192 16 204 6.10E-59 237.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034285 6596 375.6 UdeM00000034285 XP_045208652.1 68.1 301
 90 4 1 297 1 299 6.00E-101 375.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034291 6596 168.7 UdeM00000034291 XP_045207153.1 46.2 171
 80 5 4 174 33 191 1.00E-38 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034290 6596 175.6 UdeM00000034290 XP_045207153.1 45.4 185
 89 5 10 194 19 191 8.90E-41 175.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034292 6596 322 UdeM00000034292 XP_045207150.1 45.5 719
 333 13 10 719 6 674 2.00E-84 322 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034293 6596 119 UdeM00000034293 XP_045207189.1 72.9 70
 19 0 1 70 412 481 2.70E-24 119 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034294 6596 143.7 UdeM00000034294 XP_045207189.1 46.2 156
 81 1 9 164 116 268 2.10E-31 143.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034295 50390 79.3 UdeM00000034295 XP_028149250.1 33.1 172
 104 6 1 169 58 221 5.20E-12 79.3 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000034296 6596 530 UdeM00000034296 XP_045207189.1 54.8 487
 212 4 68 551 51 532 3.50E-147 530 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034297 6596 394.4 UdeM00000034297 XP_045207189.1 51.8 398
 186 3 60 456 51 443 2.00E-106 394.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034298 6596 548.9 UdeM00000034298 XP_045207189.1 55.9 490
 210 3 39 527 51 535 7.10E-153 548.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034299 1735272 369 UdeM00000034299 XP_041372401.1 50.8
 455 179 10 255 709 291 700 1.40E-98 369 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000034300 29159 145.6 UdeM00000034300 XP_034311318.1 48.6 142
 69 3 13 151 1 141 5.80E-32 145.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034301 29159 133.7 UdeM00000034301 XP_034311318.1 51.2 127
 58 2 1 125 167 291 1.80E-28 133.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034302 29159 98.2 UdeM00000034302 XP_034311318.1 53.8 91
 40 1 1 91 322 410 6.00E-18 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034303 6596 80.9 UdeM00000034303 XP_045206295.1 29.3 208
 123 5 3 196 539 736 2.70E-12 80.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034304 6579 70.9 UdeM00000034304 XP_033736448.1 38.8 85
 50 1 5 87 10 94 3.40E-09 70.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034305 6596 632.9 UdeM00000034305 XP_045209776.1 70.1 435
 129 1 1 434 1 435 3.10E-178 632.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034306 6596 629.4 UdeM00000034306 XP_045209776.1 70.5 430
 126 1 1 429 6 435 3.30E-177 629.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034308 1735272 156.8 UdeM00000034308 XP_041357032.1 53.1
 145 63 3 1 140 38 182 2.20E-35 156.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000034309 6596 94.4 UdeM00000034309 XP_045180326.1 47.6 103
 49 1 34 136 62 159 1.40E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034311 6596 1054.3 UdeM00000034311 XP_045210469.1 50.8
 1011 416 5 3 933 71 1080 9.10E-305 1054.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034312 6579 1016.1 UdeM00000034312 XP_033724877.1 79.6
 587 96 1 15 577 45 631 1.80E-293 1016.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034313 6500 262.3 UdeM00000034313 XP_005099787.2 50 264
 125 4 222 482 63 322 1.20E-66 262.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000034314 37621 201.1 UdeM00000034314 XP_014679850.1 51.7 207
 89 4 1 199 1 204 1.40E-48 201.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000034315 37621 334.3 UdeM00000034315 XP_014679849.1 53.9 282
 117 4 4 273 343 623 1.40E-88 334.3 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000034316 29159 66.6 UdeM00000034316 XP_034315424.1 35.4 130
 73 4 12 134 213 338 2.90E-08 66.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034318 6596 152.1 UdeM00000034318 XP_045207280.1 53.3 137
 64 0 2 138 188 324 6.20E-34 152.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034319 7604 94 UdeM00000034319 XP_033628627.1 52.9 85
 39 1 35 119 504 587 1.50E-16 94 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asterias;Asterias rubens
 UdeM00000034320 6579 186 UdeM00000034320 XP_033761495.1 74.8 119
 24 1 25 143 164 276 7.30E-44 186 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034321 70779 108.2 UdeM00000034321 XP_015759403.1 31.3 243
 97 5 277 460 145 376 2.80E-20 108.2 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000034323 6596 188 UdeM00000034323 XP_045185473.1 20.8 1507
 992 42 162 1582 4 1395 1.20E-43 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000267 6596 391.3 UdeM00000000267 XP_045168006.1 73.1 245
 65 1 1 245 107 350 8.80E-106 391.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000268 6579 448.4 UdeM00000000268 XP_033762641.1 55.1 405
 170 4 37 439 6 400 1.10E-122 448.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000269 6579 439.1 UdeM00000000269 XP_033762641.1 53.6 414
 171 5 37 448 6 400 6.70E-120 439.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000270 8005 569.7 UdeM00000000270 XP_035380990.1 48.8 627
 292 7 1 608 29 645 5.40E-159 569.7 8005 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnoto
 idei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000000271 1735272 357.8 UdeM00000000271 XP_041366148.1 61.7
 266 99 1 1 263 78 343 1.20E-95 357.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000272 7739 357.5 UdeM00000000272 XP_035696678.1 36.4 569
 195 2 1 402 335 903 2.50E-95 357.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000000273 6596 260.4 UdeM00000000273 XP_045180379.1 68.6 175
 55 0 1 175 1 175 1.70E-66 260.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000274 6596 702.2 UdeM00000000274 XP_045168651.1 64.2 567
 202 1 435 1001 47 612 9.50E-199 702.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000275 7574 152.5 UdeM00000000275 XP_013396733.1 43.2 206
 115 2 67 270 43 248 7.50E-34 152.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000000278 6596 86.7 UdeM00000000278 XP_045170040.1 32.2 199
 106 8 10 205 8 180 3.90E-14 86.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000279 6596 234.6 UdeM00000000279 XP_045167421.1 46.5 256
 120 4 49 289 59 312 5.00E-58 234.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000280 6596 346.3 UdeM00000000280 XP_045167418.1 51.6 341
135 2 43 353 347 687 4.80E-92 346.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000281 1735272 542 UdeM00000000281 XP_041365615.1 61.3
401 153 2 1 401 2 400 6.60E-151 542 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000282 1735272 77.8 UdeM00000000282 XP_041349428.1 41.2
97 48 1 23 110 136 232 9.90E-12 77.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000283 6596 275.4 UdeM00000000283 XP_045168190.1 70.6 177
52 0 4 180 5 181 5.20E-71 275.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000286 6596 637.5 UdeM00000000286 XP_045170379.1 64.2 508
169 5 34 533 21 523 1.50E-179 637.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000287 6579 353.2 UdeM00000000287 XP_033761881.1 50.2 426
183 10 1 410 1 413 2.30E-93 353.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000288 6573 421.4 UdeM00000000288 XP_021376345.1 54.6 370
161 3 1 366 1 367 1.30E-114 421.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000289 6579 790.8 UdeM00000000289 XP_033762188.1 78.9 465
98 0 1 465 1 465 9.50E-226 790.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000290 6596 419.1 UdeM00000000290 XP_045168429.1 65.7 350
99 5 2 340 98 437 8.60E-114 419.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000291 6596 466.1 UdeM00000000291 XP_045168431.1 64.1 384
 121 7 27 408 31 399 7.40E-128 466.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000293 7888 149.8 UdeM00000000293 XP_043916349.1 58.1 124
 52 0 64 187 413 536 3.40E-33 149.8 7888 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes
 ;Lepidosirenoidei;Protopteridae;Protopterus;Protopterus annectens
 UdeM00000000297 6596 94 UdeM00000000297 XP_045167967.1 38.2 136
 74 3 39 174 57 182 2.10E-16 94 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000300 6596 138.3 UdeM00000000300 XP_045169969.1 43.6 243
 122 5 1 238 1 233 1.30E-29 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000301 6596 212.2 UdeM00000000301 XP_045168681.1 36.3 267
 168 2 457 722 605 870 2.20E-51 212.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000302 6565 182.6 UdeM00000000302 XP_022305129.1 36.5 345
 203 4 1 334 1 340 9.60E-43 182.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000303 6573 245 UdeM00000000303 XP_021356369.1 42.4 403
 190 8 1089 1467 6127 6511 6.10E-61 245 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000304 6573 245 UdeM00000000304 XP_021356369.1 42.4 403
 190 8 104 482 6127 6511 2.00E-61 245 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000305 6596 624 UdeM00000000305 XP_045167922.1 46 1381
 646 23 1599 2928 2 1333 9.60E-175 624 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000306 6596 636.3 UdeM00000000306 XP_045167913.1 49.2 1186
 534 20 1795 2939 352 1510 1.90E-178 636.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000307 29159 67.4 UdeM00000000307 XP_034310663.1 43.7 71
40 0 11 81 4 74 1.20E-08 67.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000308 2607531 109.8 UdeM00000000308 XP_029633614.1 52.8
89 41 1 1 88 1 89 1.90E-21 109.8 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000000310 34632 94 UdeM00000000310 XP_037515180.1 38.4 125
77 0 6 130 269 393 1.60E-16 94 34632 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Rhipicephalus;Rhipicephalus sanguineus group;Rhipicephalus sanguineus

UdeM00000000311 37621 183 UdeM00000000311 XP_014676995.1 58.3 139
57 1 1 139 1 138 2.70E-43 183 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000000312 6596 558.5 UdeM00000000312 XP_045214662.1 40.9 743
395 16 12 725 50 777 1.20E-155 558.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000313 6596 314.7 UdeM00000000313 XP_045214662.1 42.7 398
203 7 2 383 389 777 1.60E-82 314.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000315 7668 73.9 UdeM00000000315 XP_030841875.1 48.4 64
32 1 3 66 71 133 1.40E-10 73.9 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000000316 225164 94 UdeM00000000316 XP_009052182.1 45
100 49 2 16 114 132 226 1.40E-16 94 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;Lottiidae;Lottia;Lottia gigantea

UdeM00000000317 29159 156.8 UdeM00000000317 XP_034309946.1 54.5 176
67 3 382 548 5323 5494 9.00E-35 156.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000318 6596 1018.5 UdeM00000000318 XP_045214662.1 45.2
1277 627 28 11 1234 11 1267 7.30E-294 1018.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000319 6706 146 UdeM00000000319 XP_042235765.1 43.9 157
88 0 1 157 1 157 4.20E-32 146 6706 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus

UdeM00000000320 72036 264.6 UdeM00000000320 XP_040576246.1 45.8 297
155 3 3 297 1 293 1.50E-67 264.6 72036 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
aligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000000322 6579 111.7 UdeM00000000322 XP_033761790.1 26.7 300
166 8 14 268 154 444 2.00E-21 111.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000323 6596 138.7 UdeM00000000323 XP_045168928.1 38.5 213
123 4 111 317 640 850 1.40E-29 138.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000324 6596 104.8 UdeM00000000324 XP_045214662.1 67.9 78
21 2 1 78 1107 1180 5.30E-20 104.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000325 6596 147.9 UdeM00000000325 XP_045214662.1 57.9 121
51 0 1 121 972 1092 8.40E-33 147.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000327 6596 237.7 UdeM00000000327 XP_045214662.1 39.5 347
185 7 1 331 415 752 2.20E-59 237.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000328 6596 1008.4 UdeM00000000328 XP_045214662.1 45.2
1278 585 27 11 1194 11 1267 7.40E-291 1008.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000329 6596 693.7 UdeM00000000329 XP_045169298.1 43.9 852
438 17 26 855 25 858 2.90E-196 693.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000330 6596 84.3 UdeM00000000330 XP_045211012.1 44.4 90
49 1 10 98 321 410 9.40E-14 84.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000331 6596 1077 UdeM00000000331 XP_045168803.1 48.2 1142
548 15 30 1143 107 1233 0.00E+00 1077 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000332 1735272 346.7 UdeM00000000332 XP_041378840.1 51.1
319 155 1 100 418 2 319 4.20E-92 346.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000333 1735272 424.5 UdeM00000000333 XP_041347065.1 66.3
309 103 1 1 308 179 487 1.20E-115 424.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000334 1735272 97.8 UdeM00000000334 XP_041347065.1 37.9
140 44 2 1 97 1 140 8.40E-18 97.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000335 6579 100.5 UdeM00000000335 XP_033725865.1 30 267
96 2 1 176 1 267 2.30E-18 100.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000336 6596 882.5 UdeM00000000336 XP_045214662.1 43.5 1174
600 22 39 1164 104 1262 5.90E-253 882.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000337 400727 345.1 UdeM00000000337 XP_025109728.1 50.7
353 159 4 45 386 323 671 1.10E-91 345.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000000338 6596 686.4 UdeM00000000338 XP_045167551.1 60.3 595
203 3 54 648 35 596 3.50E-194 686.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000339 6596 578.2 UdeM00000000339 XP_045167628.1 42 757
395 12 16 735 180 929 2.20E-161 578.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000340 6596 976.1 UdeM00000000340 XP_045168803.1 45.7 1117
550 16 18 1092 132 1233 3.70E-281 976.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000341 151771 240 UdeM00000000341 XP_028406951.1 34
441 242 7 3 397 148 585 5.50E-60 240 151771
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea
UdeM00000000344 451745 96.7 UdeM00000000344 XP_037534902.1 24.6
521 316 14 536 1022 170 647 3.00E-16 96.7 451745
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Cypriodontiformes;Aplocheiloidei;Rivulidae;Nematolebias;Nematolebias whitei
UdeM00000000345 6596 66.2 UdeM00000000345 XP_045169919.1 63.2 144
23 2 42 155 63 206 4.10E-08 66.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000346 6596 114 UdeM00000000346 XP_045169918.1 70.5 149
40 2 36 182 63 209 2.00E-22 114 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000349 6412 184.1 UdeM00000000349 XP_009025211.1 98.9 89
1 0 1 89 1 89 7.80E-44 184.1 6412 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossosiphoniidae;Helobdella;Helobdella robusta
UdeM00000000351 6573 160.2 UdeM00000000351 XP_021350458.1 44.3 194
101 2 173 360 253 445 6.10E-36 160.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000000353 6596 123.2 UdeM00000000353 XP_045169387.1 69.3 88
26 1 54 140 106 193 3.00E-25 123.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000354 6579 204.9 UdeM00000000354 XP_033729790.1 39.8 274
160 2 10 283 17 285 2.50E-49 204.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000000357 6596 518.5 UdeM00000000357 XP_045169387.1 64.3 389
135 1 4 388 193 581 7.70E-144 518.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000358 6526 347.4 UdeM00000000358 XP_013079593.1 52.6 323
144 3 2 319 90 408 1.90E-92 347.4 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000000360 6596 295.8 UdeM00000000360 XP_045168877.1 34.4 572
337 9 1 553 1 553 1.30E-76 295.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000361 6596 471.5 UdeM00000000361 XP_045167594.1 54.1 427
145 3 1 376 43 469 1.20E-129 471.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000362 6596 6378.1 UdeM00000000362 XP_045170173.1 84.1
3887 570 14 8 3880 47 3899 0.00E+00 6378.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000363 29159 194.9 UdeM00000000363 XP_034315421.1 51.9 206
93 3 122 323 271 474 1.60E-46 194.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000000364 6565 149.4 UdeM00000000364 XP_022306954.1 52.9 121
57 0 126 246 828 948 5.80E-33 149.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM000000000365 29159 383.6 UdeM000000000365 XP_034318666.1 60.1 288
115 0 1 288 482 769 2.30E-103 383.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM000000000366 37653 152.9 UdeM000000000366 XP_014777319.1 52.2 134
62 1 9 140 27 160 3.40E-34 152.9 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM000000000367 6565 280 UdeM000000000367 XP_022326235.1 42.9 310
174 2 12 321 138 444 3.70E-72 280 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM000000000368 6596 194.5 UdeM000000000368 XP_045168504.1 29.8 876
403 34 3 720 11 832 1.00E-45 194.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000000373 7604 303.5 UdeM000000000373 XP_033633146.1 41 390
212 3 262 633 29 418 7.00E-79 303.5 7604 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea
UdeM000000000375 6596 547 UdeM000000000375 XP_045213752.1 47.2 589
281 3 1 588 83 642 5.70E-152 547 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000000376 6596 151.8 UdeM000000000376 XP_045188603.1 28.4 464
287 17 499 935 361 806 4.70E-33 151.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000000377 6596 311.2 UdeM000000000377 XP_045169811.1 35.8 492
298 9 38 516 25 511 2.50E-81 311.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000000378 6596 361.7 UdeM000000000378 XP_045167569.1 44.7 376
199 4 14 381 38 412 1.20E-96 361.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000000379 6596 124 UdeM000000000379 XP_045167569.1 55 120
49 2 4 120 424 541 1.50E-25 124 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000380 6596 591.3 UdeM00000000380 XP_045168540.1 39.6 849
400 17 35 791 117 944 1.90E-165 591.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000382 400727 916.4 UdeM00000000382 XP_025093892.1 69.9
638 180 5 5 633 2 636 2.00E-263 916.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000000383 6596 67.8 UdeM00000000383 XP_045169096.1 43.2 88
41 2 35 122 426 504 1.20E-08 67.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000385 6596 166.8 UdeM00000000385 XP_045169096.1 62.1 132
34 2 1 131 194 310 1.90E-38 166.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000384 6596 298.9 UdeM00000000384 XP_045169096.1 67 206
66 2 19 222 105 310 5.40E-78 298.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000386 6596 108.6 UdeM00000000386 XP_045170409.1 40.2 326
139 7 1 321 1 275 1.50E-20 108.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000387 6596 309.7 UdeM00000000387 XP_045169621.1 76.6 201
43 2 1 200 1 198 2.70E-81 309.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000388 218467 207.2 UdeM00000000388 XP_023229324.1 86.8
114 15 0 1 114 1 114 1.10E-50 207.2 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000000389 6596 319.7 UdeM00000000389 XP_045168366.1 48.1 308
159 1 10 316 11 318 4.20E-84 319.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000390 6596 1060.8 UdeM00000000390 XP_045169674.1 66.4
821 212 5 1 782 368 1163 8.30E-307 1060.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000391 6579 189.5 UdeM00000000391 XP_033762111.1 44.3 255
132 4 48 296 24 274 6.10E-45 189.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000392 471704 149.4 UdeM00000000392 XP_018365076.1 35.2
256 98 2 1 188 233 488 4.50E-33 149.4 471704
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Attini;Trachymyrmex;Trachymyrmex cornetzi

UdeM00000000393 6565 304.7 UdeM00000000393 XP_022306142.1 55 289
119 4 1 279 276 563 1.20E-79 304.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000394 29159 548.1 UdeM00000000394 XP_034309569.1 54.6 538
217 7 6 522 30 561 1.20E-152 548.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000395 6596 69.7 UdeM00000000395 XP_045169584.1 37.1 89
49 3 1 83 75 162 2.30E-09 69.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000396 6596 498.4 UdeM00000000396 XP_045181503.1 32 968
594 23 14 952 113 1045 2.00E-137 498.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000397 6596 501.5 UdeM00000000397 XP_045181503.1 32.2 970
592 25 14 954 113 1045 2.40E-138 501.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000399 6596 337.4 UdeM00000000399 XP_045169584.1 39 480
272 10 4 478 60 523 3.10E-89 337.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000400 6596 325.5 UdeM00000000400 XP_045169584.1 36.6 511
272 10 4 509 60 523 1.30E-85 325.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000401 6596 212.2 UdeM00000000401 XP_045181503.1 28.8 510
334 10 47 539 544 1041 1.70E-51 212.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000402 6596 553.5 UdeM00000000402 XP_045167908.1 33 1001
612 23 3 964 24 1004 5.70E-154 553.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000403 6596 419.5 UdeM00000000403 XP_045169585.1 60.3 315
125 0 1 315 1 315 3.90E-114 419.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000404 6596 927.9 UdeM00000000404 XP_045166183.1 100 451
0 0 1 451 1 451 4.80E-267 927.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000405 6596 1543.1 UdeM00000000405 XP_045170179.1 75.3
983 237 3 18 995 30 1011 0.00E+00 1543.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000413 6579 439.1 UdeM00000000413 XP_033761282.1 70 303
75 3 1 296 1 294 4.40E-120 439.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000414 6596 739.6 UdeM00000000414 XP_045168279.1 85.2 420
62 0 1 420 1 420 2.30E-210 739.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000415 6596 685.3 UdeM00000000415 XP_045170358.1 85.3 416
61 0 6 421 3 418 5.00E-194 685.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000416 6579 142.1 UdeM00000000416 XP_033761302.1 76 100
24 0 7 106 4 103 4.20E-31 142.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000417 6596 464.9 UdeM00000000417 XP_045167959.1 66.3 338
111 2 1 335 1 338 8.50E-128 464.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000418 6596 330.1 UdeM00000000418 XP_045168165.1 70.7 229
49 1 227 455 8 218 4.50E-87 330.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000420 6596 423.7 UdeM00000000420 XP_045167906.1 48.5 507
214 12 4 467 14 516 3.00E-115 423.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000421 29159 411 UdeM00000000421 XP_034309544.1 48.8 455
192 10 1 453 13 428 2.00E-111 411 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000422 6596 422.2 UdeM00000000422 XP_045167906.1 47.9 507
207 11 4 457 14 516 8.60E-115 422.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000424 1735272 212.2 UdeM00000000424 XP_041367509.1 79.7
123 21 1 127 245 1 123 8.90E-52 212.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000425 6579 359 UdeM00000000425 XP_033761765.1 25.4 1609
867 38 9 1395 2 1499 2.80E-95 359 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000426 6579 220.3 UdeM00000000426 XP_033762438.1 43.3 342
171 7 6 342 4 327 4.00E-54 220.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000427 6596 542 UdeM00000000427 XP_045170013.1 55.7 551
 225 10 18 556 392 935 9.10E-151 542 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000428 1735272 149.1 UdeM00000000428 XP_041349588.1 55
 120 54 0 10 129 65 184 4.20E-33 149.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000429 1735272 144.1 UdeM00000000429 XP_041357032.1 56.3
 119 48 1 8 126 63 177 1.70E-31 144.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000431 1735272 159.1 UdeM00000000431 XP_041367303.1 22.6
 1104 650 31 6 1035 12 985 3.30E-35 159.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000432 6573 237.3 UdeM00000000432 XP_021375283.1 31.2 541
 319 8 5 530 756 1258 4.80E-59 237.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000433 29159 111.3 UdeM00000000433 XP_011421628.2 28.4 313
 189 9 36 324 558 859 2.40E-21 111.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000434 6573 235.7 UdeM00000000434 XP_021375283.1 31.2 539
 338 10 5 538 756 1266 1.40E-58 235.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000435 29159 88.2 UdeM00000000435 XP_019928550.2 43 86
 49 0 46 131 173 258 1.10E-14 88.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000436 6573 69.3 UdeM00000000436 XP_021375283.1 33.3 90
 49 2 36 124 244 323 4.60E-09 69.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000438 6573 228.8 UdeM00000000438 XP_021358437.1 29.8 557
 350 12 2 546 756 1283 1.70E-56 228.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000439 7604 462.6 UdeM00000000439 XP_033641066.1 56.3 378
 165 0 4 381 3 380 4.90E-127 462.6 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asterias;Asterias rubens
 UdeM00000000443 6573 432.6 UdeM00000000443 XP_021375283.1 26.8 1328
 838 33 38 1327 49 1280 1.90E-117 432.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000444 6573 132.1 UdeM00000000444 XP_021353057.1 61.6 99
 38 0 1 99 1 99 4.70E-28 132.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000445 6565 249.2 UdeM00000000445 XP_022343208.1 31.2 560
 327 21 24 543 21 562 1.20E-62 249.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000446 29159 508.8 UdeM00000000446 XP_034310304.1 82.6 299
 52 0 1 299 1 299 4.60E-141 508.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000447 6579 75.9 UdeM00000000447 XP_033762025.1 32.1 212
 118 9 3 200 43 242 7.20E-11 75.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000448 6565 726.9 UdeM00000000448 XP_022309008.1 90.7 389
 36 0 77 465 132 520 1.70E-206 726.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000449 29159 275 UdeM00000000449 XP_034329844.1 32.6 503
 313 7 32 519 5 496 1.90E-70 275 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000450 29159 273.5 UdeM00000000450 XP_034329844.1 32.6 503
 313 7 4 491 5 496 5.40E-70 273.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000451 6596 563.9 UdeM00000000451 XP_045169405.1 89.6 299
 31 0 1 299 1 299 1.20E-157 563.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000452 1735272 226.1 UdeM00000000452 XP_041365495.1 60.1
 193 77 0 1 193 4 196 4.60E-56 226.1 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000000453 6565 258.8 UdeM00000000453 XP_022327962.1 49.3 272
134 3 1 269 448 718 7.50E-66 258.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000000454 6565 65.5 UdeM00000000454 XP_022327962.1 35.3 139
23 2 1 72 295 433 3.30E-08 65.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000000455 6596 148.7 UdeM00000000455 XP_045198374.1 45.2 177
83 4 1 173 1 167 7.00E-33 148.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000458 2607531 163.3 UdeM00000000458 XP_036365360.1 79.6
98 20 0 13 110 305 402 1.80E-37 163.3 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000000459 6596 472.6 UdeM00000000459 XP_045170613.1 74.4 316
74 4 31 340 281 595 4.50E-130 472.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000460 6596 846.3 UdeM00000000460 XP_045170613.1 45.2 1274
565 28 1 1177 792 2029 4.80E-242 846.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000461 6596 154.1 UdeM00000000461 XP_045169926.1 35.1 305
161 9 16 298 11 300 2.90E-34 154.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000462 6596 370.2 UdeM00000000462 XP_045177776.1 41.4 527
293 9 1 519 405 923 6.70E-99 370.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000463 6579 694.1 UdeM00000000463 XP_033729085.1 35.7 1657
780 44 1 1507 1 1522 3.90E-196 694.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000464 6573 568.5 UdeM00000000464 XP_021363465.1 39.3 1033
 481 19 1 929 1 991 1.50E-158 568.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000465 6565 233 UdeM00000000465 XP_022320421.1 53.7 231
 97 4 3 233 8 228 3.80E-58 233 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000466 6596 567.4 UdeM00000000466 XP_045178508.1 79.3 363
 69 4 1 358 1 362 1.30E-158 567.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000467 29159 547.4 UdeM00000000467 XP_034330259.1 46.7 585
 294 8 6 588 133 701 2.30E-152 547.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000470 6596 215.3 UdeM00000000470 XP_045172074.1 71.2 132
 38 0 2 133 249 380 4.90E-53 215.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000471 6596 184.9 UdeM00000000471 XP_045172453.1 56.4 156
 68 0 1 156 7 162 9.60E-44 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000473 6579 273.5 UdeM00000000473 XP_033728617.1 62.7 212
 69 2 1 211 1 203 2.30E-70 273.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000472 6596 342.8 UdeM00000000472 XP_045178232.1 62.9 259
 87 1 1 259 1 250 3.80E-91 342.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000474 6596 424.1 UdeM00000000474 XP_045178964.1 76.1 243
 58 0 23 265 240 482 1.30E-115 424.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000475 6573 156 UdeM00000000475 XP_021342433.1 78.4 88
 19 0 17 104 75 162 2.80E-35 156 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000478 400727 496.9 UdeM00000000478 XP_025086682.1 72.2
 313 85 1 1 311 33 345 1.90E-137 496.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000000479 6596 623.6 UdeM00000000479 XP_045178482.1 75.1 377
 91 2 1 374 1 377 1.60E-175 623.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000480 6596 889.8 UdeM00000000480 XP_045177600.1 60.4 793
 268 12 8 783 51 814 2.50E-255 889.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000481 6596 479.6 UdeM00000000481 XP_045178607.1 52.5 434
 191 3 11 439 1 424 4.40E-132 479.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000482 6596 920.2 UdeM00000000482 XP_045199866.1 39.6 1211
 647 19 13 1150 308 1506 2.80E-264 920.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000483 29159 676.4 UdeM00000000483 XP_011414437.2 44.8 734
 373 16 43 765 29 741 4.40E-191 676.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000484 29159 359.4 UdeM00000000484 XP_011414437.2 47.3 353
 178 4 16 368 343 687 6.40E-96 359.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000485 6579 191 UdeM00000000485 XP_033727198.1 37.1 259
 119 5 30 245 518 775 1.90E-45 191 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000486 29159 434.5 UdeM00000000486 XP_011414437.2 44.9 470
 243 7 14 477 291 750 1.80E-118 434.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000487 46514 601.7 UdeM00000000487 XP_038061742.1 52 612
 263 14 2 599 92 686 1.10E-168 601.7 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata

UdeM00000000488 6596 307.4 UdeM00000000488 XP_045179280.1 39.2 429
241 6 3 427 17 429 2.90E-80 307.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000490 6565 252.3 UdeM00000000490 XP_022327962.1 36 472
100 4 1 270 247 718 7.00E-64 252.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000491 6579 671 UdeM00000000491 XP_033729078.1 63.6 566
177 13 260 803 57 615 1.90E-189 671 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000493 6596 548.5 UdeM00000000493 XP_045180074.1 47.3 579
280 9 9 576 3 567 1.00E-152 548.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000494 6596 149.4 UdeM00000000494 XP_045179100.1 32.4 293
193 4 21 309 46 337 7.80E-33 149.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000495 1735272 426.8 UdeM00000000495 XP_041374782.1 69.4
288 86 1 1 288 1 286 2.20E-116 426.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000496 1735272 2044.2 UdeM00000000496 XP_041374199.1
40.5 3100 1444 47 14 2951 1494 4353 0.00E+00 2044.2
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000497 6596 1812 UdeM00000000497 XP_045179037.1 47.4 2012
831 14 44 1843 2309 4304 0.00E+00 1812 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000498 400727 70.1 UdeM00000000498 XP_025091829.1 37.5
88 55 0 30 117 35 122 2.50E-09 70.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000000499 29159 836.3 UdeM00000000499 XP_034301291.1 39.6 1262
613 24 150 1335 230 1418 6.20E-239 836.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000000500 29159 890.2 UdeM00000000500 XP_034301293.1 38.5 1403
701 29 117 1438 62 1383 3.90E-255 890.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000000501 6579 802.7 UdeM00000000501 XP_033728979.1 36.9 1385
676 29 115 1376 70 1379 7.90E-229 802.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000000502 29159 945.7 UdeM00000000502 XP_034301291.1 40 1405
677 28 116 1437 97 1418 7.80E-272 945.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000000504 29159 178.3 UdeM00000000504 XP_034317111.1 29.1 471
221 11 2 363 171 637 4.00E-41 178.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000000505 6596 526.2 UdeM00000000505 XP_045177776.1 37.2 833
453 16 107 921 153 933 9.50E-146 526.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000000506 6596 317.4 UdeM00000000506 XP_045177903.1 55.1 272
114 2 1049 1314 907 1176 8.60E-83 317.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000000507 6596 78.2 UdeM00000000507 XP_045212464.1 46.6 73
38 1 90 162 31 102 1.20E-11 78.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000000509 6565 84.7 UdeM00000000509 XP_022288562.1 46.6 88
47 0 1 88 73 160 1.30E-13 84.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000000510 6573 218.4 UdeM00000000510 XP_021346189.1 56.1 189
77 2 1 187 22 206 7.90E-54 218.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000511 6596 335.9 UdeM00000000511 XP_045179152.1 55.1 314
131 3 1 307 71 381 6.10E-89 335.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000513 6596 325.5 UdeM00000000513 XP_045179603.1 47.2 377
181 5 1 363 1 373 9.60E-86 325.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000514 6596 166.4 UdeM00000000514 XP_045164742.1 52 125
60 0 8 132 6 130 2.50E-38 166.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000515 6565 186.8 UdeM00000000515 XP_022324251.1 48.6 181
89 3 25 203 18 196 2.80E-44 186.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000516 6565 206.8 UdeM00000000516 XP_022324251.1 54.6 183
79 3 24 204 18 198 2.60E-50 206.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000517 6412 111.7 UdeM00000000517 XP_009015452.1 51 98
48 0 1 98 1 98 5.60E-21 111.7 6412 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;Helobdella;Helobdella robusta

UdeM00000000518 6596 625.2 UdeM00000000518 XP_045180021.1 71.6 405
113 1 11 415 3 405 6.20E-176 625.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000519 6596 535.8 UdeM00000000519 XP_045180026.1 66.5 388
125 2 1 388 27 409 4.60E-149 535.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000520 6596 605.1 UdeM00000000520 XP_045180021.1 69.8 404
120 1 26 429 5 406 6.80E-170 605.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000521 6565 147.9 UdeM00000000521 XP_022342298.1 55.4 130
 53 1 156 285 399 523 2.10E-32 147.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000522 202533 336.3 UdeM00000000522 XP_035218899.1 38.3
 470 263 8 1 447 1 466 6.10E-89 336.3 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000000523 6596 105.1 UdeM00000000523 XP_045178915.1 30.5 643
 323 15 1 547 1 615 2.80E-19 105.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000524 6596 622.1 UdeM00000000524 XP_045178916.1 69.7 403
 121 1 1 403 1 402 5.00E-175 622.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000525 6596 65.9 UdeM00000000525 XP_045179474.1 52.9 85
 18 4 1 82 1 66 2.90E-08 65.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000526 6596 268.5 UdeM00000000526 XP_045179474.1 95.4 130
 6 0 100 229 68 197 8.00E-69 268.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000527 6596 242.7 UdeM00000000527 XP_045179765.1 51.5 233
 106 4 8 233 39 271 4.80E-61 242.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000528 6596 261.5 UdeM00000000528 XP_045179766.1 52 248
 108 5 10 246 18 265 1.10E-66 261.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000529 6596 107.8 UdeM00000000529 XP_045194227.1 48.4 126
 61 3 2 125 16 139 1.40E-20 107.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000530 6596 85.5 UdeM00000000530 XP_045194227.1 44.9 107
 55 3 2 106 35 139 5.90E-14 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000531 29159 374.4 UdeM00000000531 XP_034299474.1 45.2 445
 227 5 6 447 247 677 2.10E-100 374.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000532 6565 168.3 UdeM00000000532 XP_022290343.1 50 180
 80 5 1 171 126 304 8.50E-39 168.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000533 29159 142.5 UdeM00000000533 XP_034330911.1 52.9 138
 62 2 1 137 1 136 4.40E-31 142.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000534 1735272 174.1 UdeM00000000534 XP_041347065.1 57.9
 145 59 2 1 143 1 145 1.40E-40 174.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000535 7757 287.7 UdeM00000000535 XP_032835197.1 80.1 176
 35 0 1 176 52 227 9.90E-75 287.7 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000000537 7574 338.2 UdeM00000000537 XP_013382110.1 51.5 328
 148 4 14 340 45 362 1.30E-89 338.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000000538 7574 168.3 UdeM00000000538 XP_013384628.1 65.8 120
 39 1 1 120 33 150 8.10E-39 168.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000000538 7574 53.5 UdeM00000000538 XP_013384628.1 75 32
 8 0 134 165 529 560 2.90E-04 53.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000000540 1735272 82.8 UdeM00000000540 XP_041363681.1 39.6
 101 56 1 3 103 513 608 3.10E-13 82.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000541 8078 94 UdeM00000000541 XP_036006874.1 32.3 186
 111 5 38 209 21 205 3.10E-16 94 8078 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus
 heteroclitus

UdeM00000000542 6596 374 UdeM00000000542 XP_045179225.1 64 317
 90 5 1 307 39 341 1.80E-100 374 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000543 6596 109.4 UdeM00000000543 XP_045192592.1 26.5 298
 193 7 11 290 348 637 8.40E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000544 6596 110.2 UdeM00000000544 XP_045191996.1 28.6 234
 159 2 33 261 354 584 4.40E-21 110.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000545 6579 194.5 UdeM00000000545 XP_033758968.1 25.6 609
 412 15 13 610 63 641 4.20E-46 194.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000546 6596 152.9 UdeM00000000546 XP_045215484.1 31.8 318
 171 7 1 278 6 317 5.90E-34 152.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000547 6579 161.8 UdeM00000000547 XP_033758968.1 23.8 646
 441 16 1 605 44 679 2.80E-36 161.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000548 6573 216.1 UdeM00000000548 XP_021341731.1 23.9 695
 473 11 10 679 8 671 1.40E-52 216.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000549 6596 222.2 UdeM00000000549 XP_045172484.1 25 688
 455 18 5 677 66 707 2.00E-54 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000550 7493 126.3 UdeM00000000550 XP_014238511.1 25.6 425
 253 13 904 1301 25 413 4.40E-25 126.3 7493 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
 sitoida;Chalcidoidea;Trichogrammatidae;Trichogramma;Trichogramma
 pretiosum
 UdeM00000000551 210409 81.3 UdeM00000000551 XP_045125380.1 25.1
 315 187 11 1584 1881 82 364 1.50E-11 81.3 210409
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Bra
 chyura;Eubranchyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus
 trituberculatus
 UdeM00000000552 6579 537.3 UdeM00000000552 XP_033728415.1 51.7 565
 247 8 19 580 14 555 2.30E-149 537.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000553 6596 370.9 UdeM00000000553 XP_045178425.1 41.7 472
 234 6 41 506 38 474 2.60E-99 370.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000554 6596 287.7 UdeM00000000554 XP_045187594.1 44.9 356
 162 10 36 371 35 376 2.10E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000555 6596 287.7 UdeM00000000555 XP_045187594.1 44.9 356
 162 10 45 380 35 376 2.20E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000556 35525 249.2 UdeM00000000556 XP_032777945.1 41.6 351
 170 10 74 406 35 368 9.10E-63 249.2 35525 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Bra
 nchiopoda;Phylloppoda;Diplostraca;Cladocera;Anomopoda;Daphniidae;Daphnia;D
 aphnia magna
 UdeM00000000557 35525 264.6 UdeM00000000557 XP_032777945.1 43.3 351
 171 10 74 413 35 368 2.10E-67 264.6 35525 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Bra
 nchiopoda;Phylloppoda;Diplostraca;Cladocera;Anomopoda;Daphniidae;Daphnia;D
 aphnia magna
 UdeM00000000558 6596 521.9 UdeM00000000558 XP_045178985.1 60.4 386
 153 0 21 406 5 390 7.50E-145 521.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000559 6573 394 UdeM00000000559 XP_021351760.1 39.6 904
 404 36 1 808 1 858 6.80E-106 394 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000559 6573 65.5 UdeM00000000559 XP_021351760.1 57.4 54
 23 0 1187 1240 1158 1211 5.60E-07 65.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000560 6579 220.3 UdeM00000000560 XP_033758968.1 24.8 686
 468 13 15 679 13 671 7.50E-54 220.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000562 6579 119.8 UdeM00000000562 XP_033758968.1 23.7 405
 284 5 8 411 141 521 8.40E-24 119.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000563 6573 227.3 UdeM00000000563 XP_021351761.1 41.8 390
 181 12 14 382 761 1125 3.40E-56 227.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000564 6596 305.4 UdeM00000000564 XP_045179164.1 53.3 418
 176 6 20 433 19 421 1.10E-79 305.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000565 6573 248.4 UdeM00000000565 XP_021373014.1 25.7 1331
 735 40 3 1184 10 1235 4.40E-62 248.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000566 6573 394.8 UdeM00000000566 XP_021341105.1 44.6 894
 329 24 1 837 1 785 2.70E-106 394.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000569 6565 172.6 UdeM00000000569 XP_022327991.1 58.7 126
 52 0 36 161 34 159 4.70E-40 172.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000571 6596 458 UdeM00000000571 XP_045180079.1 76.2 281
 67 0 1 281 1 281 8.70E-126 458 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000572 29159 60.8 UdeM00000000572 XP_034313251.1 43.3 67
 38 0 76 142 6 72 1.70E-06 60.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000573 6573 554.3 UdeM00000000573 XP_021351753.1 60.4 450
 153 4 4 428 3 452 1.40E-154 554.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000574 1735272 462.6 UdeM00000000574 XP_041374046.1 61
 362 132 3 13 367 13 372 4.60E-127 462.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000576 90988 118.2 UdeM00000000576 XP_039535825.1 58.9 95
 38 1 1 95 111 204 6.20E-24 118.2 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 idei;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
 UdeM00000000578 6579 1333.2 UdeM00000000578 XP_033728526.1 85.3
 842 97 15 1 821 1 836 0.00E+00 1333.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000579 6579 1327.4 UdeM00000000579 XP_033728526.1 85.8
 830 94 14 5 816 13 836 0.00E+00 1327.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000580 6565 398.3 UdeM00000000580 XP_022327156.1 61.4 308
 102 1 1 308 1 291 9.10E-108 398.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000581 6596 146.7 UdeM00000000581 XP_045178328.1 67.6 105
 34 0 39 143 47 151 2.20E-32 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000583 6596 239.6 UdeM00000000583 XP_045179812.1 26.8 1226
 581 40 1 936 1 1199 1.80E-59 239.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000584 6596 1248.4 UdeM00000000584 XP_045178526.1 58.2
 1160 428 15 8 1145 11 1135 0.00E+00 1248.4 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000585 6596 167.9 UdeM00000000585 XP_045178526.1 52.7 169
67 3 1 162 936 1098 1.10E-38 167.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000589 29159 1440.6 UdeM00000000589 XP_034302242.1 82.9
875 149 1 1 874 1 875 0.00E+00 1440.6
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000000590 29159 367.5 UdeM00000000590 XP_034302240.1 78.5 228
48 1 6 232 651 878 1.30E-98 367.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000000591 29159 614.4 UdeM00000000591 XP_034302950.1 79.1 422
85 2 3 421 68 489 1.10E-172 614.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000000592 6579 407.1 UdeM00000000592 XP_033728032.1 38.6 741
368 21 1 679 1 716 4.30E-110 407.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000000593 6579 67.4 UdeM00000000593 XP_033728710.1 26.5 181
128 2 193 370 307 485 4.40E-08 67.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000000594 6579 67.4 UdeM00000000594 XP_033728710.1 25.9 185
130 3 193 376 307 485 4.50E-08 67.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000000595 6579 73.2 UdeM00000000595 XP_033728710.1 22.2 334
193 6 4 270 724 1057 7.80E-10 73.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000000596 7054 238.4 UdeM00000000596 XP_031350480.1 54.3 186
85 0 44 229 224 409 9.10E-60 238.4 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000000597 310752 62.8 UdeM00000000597 XP_028019109.1 44.2
77 37 3 24 98 297 369 1.60E-06 62.8 310752
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Laurasiatheria;Artiodactyla;Whippomorpha;Cetacea;Mysticeti
;Balaenopteridae;Balaenoptera;Balaenoptera acutorostrata;Balaenoptera
acutorostrata scammoni

UdeM00000000600 6596 115.9 UdeM00000000600 XP_045179133.1 72 75
20 1 1 74 41 115 2.20E-23 115.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000601 6596 965.7 UdeM00000000601 XP_045180000.1 71.2 677
193 2 1 675 1 677 3.10E-278 965.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000602 6573 63.2 UdeM00000000602 XP_021366893.1 34.3 102
61 3 65 166 11 106 3.90E-07 63.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000603 6573 62.8 UdeM00000000603 XP_021366893.1 34.3 102
61 3 10 111 11 106 3.50E-07 62.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000604 6573 278.9 UdeM00000000604 XP_021355158.1 49.3 361
150 9 1 347 1 342 9.90E-72 278.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000605 6565 211.8 UdeM00000000605 XP_022321940.1 24.5 575
427 5 5 578 114 682 2.30E-51 211.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000607 6596 1067 UdeM00000000607 XP_045178438.1 64.4 944
294 20 1 920 1 926 0.00E+00 1067 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000608 278856 185.7 UdeM00000000608 XP_032528089.1 37.7
300 162 10 151 433 323 614 2.00E-43 185.7 278856

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoide

a;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus
plexippus;Danaus plexippus plexippus
UdeM00000000609 6596 431.8 UdeM00000000609 XP_045178776.1 56 389
170 1 107 495 134 521 1.20E-117 431.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000611 400727 296.2 UdeM00000000611 XP_025086782.1 44.5
330 183 0 17 346 28 357 5.50E-77 296.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000000612 6596 411.8 UdeM00000000612 XP_045179478.1 69.6 299
91 0 13 311 5 303 8.00E-112 411.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000613 6573 700.7 UdeM00000000613 XP_021365386.1 52.4 704
313 9 2 687 4 703 2.10E-198 700.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000000616 6596 547 UdeM00000000616 XP_045177552.1 73.4 379
92 3 11 389 39 408 2.00E-152 547 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000615 6596 546.2 UdeM00000000615 XP_045177552.1 73.4 379
92 3 11 389 39 408 3.60E-152 546.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000622 6596 112.8 UdeM00000000622 XP_045178614.1 50 118
55 2 1 116 1 116 2.90E-22 112.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000623 6596 1531.9 UdeM00000000623 XP_045177754.1 58.9
1384 449 25 1 1326 1 1322 0.00E+00 1531.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000624 6579 141 UdeM00000000624 XP_033727998.1 54 161
59 5 1 152 2 156 1.30E-30 141 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000625	6596	165.6	UdeM00000000625	XP_045177846.1	76	100
24	0	46	145	73	172	4.90E-38
			165.6	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000626	6596	221.9	UdeM00000000626	XP_045177846.1	76.6	137
32	0	46	182	73	209	6.90E-55
			221.9	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000627	1735272	228	UdeM00000000627	XP_041379265.1	48.2	
220	88	2	148	343	282	499
			1.80E-56	228	1735272	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000628	6596	750.4	UdeM00000000628	XP_045177846.1	67.2	579
189	1	45	623	248	825	2.50E-213
			750.4	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000629	6596	5659.7	UdeM00000000629	XP_045177846.1	60.1	
5422	1917	60	8	5341	1218	6481
			0.00E+00	5659.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000630	6596	5659.7	UdeM00000000630	XP_045177846.1	60.1	
5422	1917	60	8	5341	1218	6481
			0.00E+00	5659.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000631	6573	9050.2	UdeM00000000631	XP_021365920.1	45.7	
10458	4131	52	15	9319	10840	20900
			0.00E+00	9050.2	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000632	6596	256.5	UdeM00000000632	XP_045177641.1	38	469
215	13	1	411	1	451	5.60E-65
			256.5	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000633	6596	557	UdeM00000000633	XP_045177635.1	61.6	445
161	4	61	504	10	445	2.50E-155
			557	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000634 6596 870.9 UdeM00000000634 XP_045177632.1 52.3 961
414 14 326 1257 1110 2055 1.90E-249 870.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000634 6596 68.6 UdeM00000000634 XP_045177632.1 33.3 99
63 1 22 117 586 684 6.70E-08 68.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000635 6579 347.1 UdeM00000000635 XP_033748001.1 45.9 381
186 6 10 383 9 376 3.00E-92 347.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000636 6500 291.2 UdeM00000000636 XP_035826907.1 42.6 385
212 5 1 383 300 677 2.40E-75 291.2 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000000637 6579 343.2 UdeM00000000637 XP_033748001.1 45.1 377
196 4 46 420 9 376 4.70E-91 343.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000638 6573 330.5 UdeM00000000638 XP_021364790.1 40.8 380
214 4 5 382 6 376 2.90E-87 330.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000639 400727 316.6 UdeM00000000639 XP_025110836.1 42.3
385 198 7 13 383 53 427 4.30E-83 316.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000000641 6579 305.1 UdeM00000000641 XP_033748001.1 41.2 381
210 7 7 383 6 376 1.30E-79 305.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000642 6579 314.3 UdeM00000000642 XP_033748001.1 42 381
207 7 7 383 6 376 2.10E-82 314.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000643 6579 321.2 UdeM00000000643 XP_033748001.1 41.3 380
208 4 2 375 6 376 1.70E-84 321.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM000000000644 6596 384 UdeM000000000644 XP_045179786.1 50.8 366
178 2 1 364 1 366 2.10E-103 384 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000645 6526 749.2 UdeM000000000645 XP_013081401.1 62.9 620
225 2 51 669 43 658 4.60E-213 749.2 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM000000000646 6596 271.9 UdeM000000000646 XP_045179024.1 69.3 192
59 0 13 204 874 1065 6.60E-70 271.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000647 6500 723 UdeM000000000647 XP_035828416.1 33.4 1361
779 20 20 1262 179 1530 6.50E-205 723 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM000000000648 6596 104.4 UdeM000000000648 XP_045179786.1 45 109
59 1 31 138 258 366 1.20E-19 104.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000649 6596 79.7 UdeM000000000649 XP_045179786.1 46.9 96
42 2 3 89 143 238 2.10E-12 79.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000650 6596 114 UdeM000000000650 XP_045179786.1 56.7 90
39 0 16 105 79 168 1.30E-22 114 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000651 400727 214.2 UdeM000000000651 XP_025081052.1 92.5
120 7 1 1 120 1 118 9.40E-53 214.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM000000000652 400727 154.1 UdeM000000000652 XP_025087839.1 45.2
155 83 2 19 171 116 270 1.70E-34 154.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000000655 6596 1947.9 UdeM00000000655 XP_045179002.1 49.1
2505 1030 52 74 2502 2087 4423 0.00E+00 1947.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000659 6596 639.8 UdeM00000000659 XP_045177666.1 64.8 494
165 5 247 733 50 541 4.20E-180 639.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000660 6573 101.3 UdeM00000000660 XP_021354117.1 40.3 119
71 0 59 177 12 130 1.70E-18 101.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000661 6596 74.7 UdeM00000000661 XP_045179604.1 55.9 59
26 0 29 87 123 181 7.70E-11 74.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000662 6579 95.9 UdeM00000000662 XP_033728432.1 33 188
116 4 3 190 415 592 6.50E-17 95.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000664 6596 78.2 UdeM00000000664 XP_045178180.1 30.5 239
134 8 34 270 245 453 3.90E-11 78.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000665 6596 264.2 UdeM00000000665 XP_045178181.1 28 1283
614 44 30 1275 12 1021 8.40E-67 264.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000668 1735272 591.7 UdeM00000000668 XP_041374670.1 76
425 85 9 16 430 28 445 7.80E-166 591.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000666 6596 627.1 UdeM00000000666 XP_045179012.1 74.8 456
102 7 1 444 1 455 1.70E-176 627.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000667 6596 622.5 UdeM000000000667 XP_045179012.1 74.8 456
101 8 1 443 1 455 4.20E-175 622.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000669 114398 213.4 UdeM000000000669 XP_015930873.1 36.2
348 137 4 1 267 1 344 4.10E-52 213.4 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM000000000670 1529436 126.7 UdeM000000000670 XP_033114794.1 40.9
193 78 6 1 160 581 770 3.60E-26 126.7 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM000000000671 1735272 79.7 UdeM000000000671 XP_041347149.1 43.6
101 50 2 1 96 257 355 2.40E-12 79.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM000000000672 37621 140.6 UdeM000000000672 XP_014679100.1 37.4 230
130 7 129 353 82 302 3.90E-30 140.6 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM000000000674 6565 166.4 UdeM000000000674 XP_022287521.1 46 187
66 1 275 426 180 366 8.00E-38 166.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM000000000676 6596 188.3 UdeM000000000676 XP_045161133.1 81.9 94
17 0 1 94 1 94 4.40E-45 188.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000678 1529436 203.8 UdeM000000000678 XP_033114794.1 44.9
263 130 6 1 251 581 840 3.10E-49 203.8 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM000000000681 6565 61.6 UdeM000000000681 XP_022329522.1 70.3 37
11 0 138 174 426 462 1.10E-06 61.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000683 6596 71.2 UdeM00000000683 XP_045192251.1 40.4 99
 58 1 77 175 323 420 1.50E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000684 7739 78.2 UdeM00000000684 XP_035661789.1 29.8 248
 140 8 1 228 354 587 1.60E-11 78.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000000687 6596 2239.9 UdeM00000000687 XP_045179806.1 48
 2541 1141 60 19 2449 102 2572 0.00E+00 2239.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000686 6596 2266.9 UdeM00000000686 XP_045179806.1 46
 2729 1194 62 19 2606 102 2692 0.00E+00 2266.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000688 6573 1255.7 UdeM00000000688 XP_021351871.1 46.2
 1733 798 47 63 1724 2575 4243 0.00E+00 1255.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000689 6579 286.6 UdeM00000000689 XP_033731015.1 37.3 440
 271 3 1 439 6 441 5.40E-74 286.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000690 6579 295 UdeM00000000690 XP_033731015.1 39.3 440
 258 5 7 446 13 443 1.60E-76 295 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000691 6596 293.1 UdeM00000000691 XP_045179280.1 39.9 406
 220 3 5 410 48 429 5.50E-76 293.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000692 7741 285 UdeM00000000692 XP_019622111.1 51.1 280
 134 3 5 283 1 278 1.00E-73 285 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000000693 6596 987.6 UdeM00000000693 XP_045178348.1 67 815
 220 13 5 797 60 847 1.10E-284 987.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000694 6596 1048.1 UdeM00000000694 XP_045178348.1 65.3
886 256 15 5 867 60 917 7.70E-303 1048.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000696 6596 380.9 UdeM00000000696 XP_045162792.1 46.5 477
235 5 11 487 14 470 2.40E-102 380.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000697 1735272 481.9 UdeM00000000697 XP_041365458.1 44.3
578 302 7 6 580 31 591 1.20E-132 481.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000698 6596 469.2 UdeM00000000698 XP_045177468.1 50.6 539
223 11 1 533 2 503 7.20E-129 469.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000699 6596 129.4 UdeM00000000699 XP_045168144.1 29.6 324
208 7 77 390 551 864 1.10E-26 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000699 6596 79.3 UdeM00000000699 XP_045168144.1 33.7 104
69 0 4 107 17 120 1.30E-11 79.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000700 6596 129.4 UdeM00000000700 XP_045168144.1 29.6 324
208 7 77 390 551 864 1.10E-26 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000700 6596 79.3 UdeM00000000700 XP_045168144.1 33.7 104
69 0 4 107 17 120 1.30E-11 79.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000701 6596 129.4 UdeM00000000701 XP_045168144.1 29.6 324
 208 7 77 390 551 864 1.10E-26 129.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000701 6596 79.3 UdeM00000000701 XP_045168144.1 33.7 104
 69 0 4 107 17 120 1.30E-11 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000702 6596 328.9 UdeM00000000702 XP_045162799.1 45 456
 222 5 12 439 15 469 9.90E-87 328.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000703 6596 401.7 UdeM00000000703 XP_045162799.1 48.2 483
 220 4 10 487 13 470 1.30E-108 401.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000704 6573 283.9 UdeM00000000704 XP_021354145.1 45 322
 171 3 1 318 269 588 2.60E-73 283.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000705 400727 369 UdeM00000000705 XP_025091384.1 42.8
 458 247 6 5 459 148 593 8.70E-99 369 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000000706 307959 235.7 UdeM00000000706 XP_016384368.1 40.6
 281 136 2 34 314 83 332 1.10E-58 235.7 307959
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 idei;Cyprinidae;Cyprininae;Sinocyclocheilus;Sinocyclocheilus rhinoceros
 UdeM00000000707 6596 426 UdeM00000000707 XP_045209095.1 50.1 441
 205 7 1 430 1 437 8.70E-116 426 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000708 6565 683.3 UdeM00000000708 XP_022327155.1 44.7 1095
 488 16 4139 5138 3239 4311 2.30E-192 683.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000709 29159 177.6 UdeM00000000709 XP_011423571.1 74.4 117
 26 2 1 116 1 114 9.50E-42 177.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000710 6579 269.6 UdeM00000000710 XP_033729083.1 48.3 478
 222 8 15 476 10 478 9.50E-69 269.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000711 6596 347.4 UdeM00000000711 XP_045178021.1 47 696
 258 19 83 690 584 1256 5.60E-92 347.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000712 7654 81.3 UdeM00000000712 XP_041484611.1 37.1 132
 62 2 11 121 392 523 1.10E-12 81.3 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000000713 6596 236.1 UdeM00000000713 XP_045178682.1 49.2 242
 122 1 21 262 31 271 5.00E-59 236.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000714 29159 463 UdeM00000000714 XP_011442807.3 48.9 481
 214 8 9 486 10 461 4.80E-127 463 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000715 37653 657.5 UdeM00000000715 XP_014768102.1 65.8 447
 142 2 1 438 1 445 1.20E-185 657.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000000716 6565 725.3 UdeM00000000716 XP_022336131.1 36.3 1323
 738 49 120 1401 147 1405 1.50E-205 725.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000717 6579 150.2 UdeM00000000717 XP_033756913.1 38.5 200
 110 5 80 276 132 321 4.00E-33 150.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000718 6596 268.5 UdeM00000000718 XP_045216525.1 42.3 385
 196 14 1 378 315 680 1.50E-68 268.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000719 6596 303.9 UdeM00000000719 XP_045216525.1 40.9 491
 227 21 77 529 160 625 4.20E-79 303.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000044262 6573 109.4 UdeM000000044262 XP_021359218.1 50 104
 52 0 82 185 375 478 5.10E-21 109.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM000000044263 6596 126.7 UdeM000000044263 XP_045204839.1 29.8 305
 191 8 217 506 325 621 8.50E-26 126.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000044264 6596 93.6 UdeM000000044264 XP_045204839.1 34.7 118
 73 1 619 736 508 621 1.20E-15 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000044265 6596 93.6 UdeM000000044265 XP_045204839.1 34.7 118
 73 1 616 733 508 621 1.10E-15 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000044267 6596 93.6 UdeM000000044267 XP_045204839.1 34.7 118
 73 1 380 497 508 621 7.80E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000044268 6565 100.1 UdeM000000044268 XP_022324784.1 49 102
 52 0 537 638 594 695 1.40E-17 100.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM000000044269 6565 100.1 UdeM000000044269 XP_022324784.1 49 102
 52 0 546 647 594 695 1.40E-17 100.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM000000044270 6565 100.1 UdeM000000044270 XP_022324784.1 49 102
 52 0 484 585 594 695 1.30E-17 100.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM000000041109 6579 124.4 UdeM000000041109 XP_033742496.1 37.4 163
 98 2 1 159 255 417 1.30E-25 124.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000033841 6579 515.8 UdeM00000033841 XP_033734426.1 77.1 423
85 4 83 502 99 512 6.30E-143 515.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000033842 6596 956.8 UdeM00000033842 XP_045182299.1 58.9 757
303 3 18 773 15 764 1.60E-275 956.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033843 29159 84.7 UdeM00000033843 XP_011415139.2 34.2 158
33 1 41 127 61 218 9.10E-14 84.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000033844 6596 871.7 UdeM00000033844 XP_045182299.1 55.7 734
288 5 35 738 38 764 6.60E-250 871.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033848 6596 106.7 UdeM00000033848 XP_045213058.1 28.3 279
113 8 286 481 87 361 9.20E-20 106.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033849 6596 223.8 UdeM00000033849 XP_045198257.1 37.2 285
177 1 3 287 123 405 2.80E-55 223.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033850 6573 72 UdeM00000033850 XP_021352480.1 30.2 278
169 11 34 302 49 310 1.40E-09 72 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000033851 6596 157.5 UdeM00000033851 XP_045165790.1 58.5 118
49 0 1 118 61 178 1.10E-35 157.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033852 6596 240 UdeM00000033852 XP_045165790.1 65.5 168
57 1 1 167 11 178 2.30E-60 240 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033853 6596 182.2 UdeM00000033853 XP_045188028.1 57.5 134
 57 0 1 134 12 145 4.50E-43 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033854 6596 160.6 UdeM00000033854 XP_045188028.1 53.6 125
 58 0 21 145 21 145 1.50E-36 160.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033855 6596 361.3 UdeM00000033855 XP_045167151.1 35.3 641
 394 13 201 832 136 764 3.70E-96 361.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033856 6596 1015 UdeM00000033856 XP_045187456.1 74 701
 180 2 10 709 8 707 4.70E-293 1015 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033857 6596 402.1 UdeM00000033857 XP_045187456.1 74.8 305
 76 1 6 310 404 707 6.30E-109 402.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033858 6565 530 UdeM00000033858 XP_022331125.1 82.6 299
 51 1 12 309 57 355 2.00E-147 530 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033859 29159 186.8 UdeM00000033859 XP_034331441.1 43.4 219
 119 3 15 230 1 217 6.40E-44 186.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033860 7739 154.5 UdeM00000033860 XP_035659254.1 43.3 180
 96 2 5 178 753 932 1.80E-34 154.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000033861 6596 231.9 UdeM00000033861 XP_045187458.1 56.6 272
 110 2 91 354 53 324 1.40E-57 231.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033862 6596 171.8 UdeM00000033862 XP_045186984.1 39.1 294
 126 10 1 246 5 293 1.20E-39 171.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033863 6596 200.7 UdeM00000033863 XP_045186985.1 41.9 296
127 11 1 256 5 295 2.30E-48 200.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033864 6565 107.5 UdeM00000033864 XP_022331458.1 31.5 248
151 5 41 284 63 295 4.40E-20 107.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033865 1735272 59.7 UdeM00000033865 XP_041373661.1 38.8
67 40 1 1 66 4 70 4.30E-06 59.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033866 6579 1127.5 UdeM00000033866 XP_033734163.1 51.4
1085 512 8 1 1078 1 1077 0.00E+00 1127.5 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033868 225164 139 UdeM00000033868 XP_009060494.1 35.4
209 123 4 33 229 62 270 7.60E-30 139 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000033869 6565 162.2 UdeM00000033869 XP_022333543.1 33.9 239
151 3 14 249 51 285 8.80E-37 162.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033870 1735272 157.9 UdeM00000033870 XP_041351938.1 39.8
259 140 7 3 249 464 718 1.70E-35 157.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033871 1735272 63.9 UdeM00000033871 XP_041351938.1 23.7
262 178 7 35 286 223 472 4.20E-07 63.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033872 400727 125.2 UdeM00000033872 XP_025105569.1 41.2
148 86 1 15 162 49 195 7.90E-26 125.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000033873 6565 1333.2 UdeM00000033873 XP_022332215.1 68.9
936 279 4 1 933 16 942 0.00E+00 1333.2 6565
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000033874 6579 365.5 UdeM00000033874 XP_033735988.1 64.4 250
89 0 7 256 38 287 5.40E-98 365.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000033875 29159 64.7 UdeM00000033875 XP_034336196.1 28.6 112
75 2 35 143 565 674 1.20E-07 64.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000033877 6565 65.5 UdeM00000033877 XP_022334490.1 36.6 101
59 3 45 144 245 341 6.70E-08 65.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000033878 6596 82.4 UdeM00000033878 XP_045177449.1 42.2 135
63 7 14 138 368 497 5.00E-13 82.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000033879 7739 775 UdeM00000033879 XP_035696678.1 55.3 683
299 3 208 884 202 884 1.00E-220 775 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma floridae
UdeM00000033880 6596 379.4 UdeM00000033880 XP_045169901.1 41.2 514
292 4 8 518 5 511 7.50E-102 379.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000033881 6596 112.1 UdeM00000033881 XP_045179939.1 42.3 130
72 2 57 183 251 380 7.70E-22 112.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000033883 6596 118.2 UdeM00000033883 XP_045179939.1 43.8 130
70 2 260 386 251 380 2.30E-23 118.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000033884 6565 276.2 UdeM00000033884 XP_022341974.1 49.8 281
120 6 14 293 198 458 5.00E-71 276.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033885 6565 275.4 UdeM00000033885 XP_022341974.1 49.8 281
120 6 14 293 198 458 8.50E-71 275.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033886 6596 263.1 UdeM00000033886 XP_045175116.1 34.9 373
227 3 18 376 25 395 5.50E-67 263.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033887 6596 308.9 UdeM00000033887 XP_045212714.1 30.5 696
452 11 2 670 3 693 1.60E-80 308.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033888 6105 82.8 UdeM00000033888 XP_031557194.1 44.6 83
46 0 1 83 299 381 2.80E-13 82.8 6105 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000033889 6596 69.7 UdeM00000033889 XP_045202967.1 46.3 67
34 1 3 67 9 75 2.00E-09 69.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033890 6596 310.5 UdeM00000033890 XP_045212714.1 31.8 695
444 11 4 674 5 693 5.50E-81 310.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033891 6596 209.9 UdeM00000033891 XP_045201862.1 31.1 472
280 11 2 442 222 679 7.10E-51 209.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033892 6596 75.9 UdeM00000033892 XP_045160626.1 34 150
97 2 2 150 17 165 5.60E-11 75.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033893 6105 104.4 UdeM00000033893 XP_031557194.1 45.6 114
59 2 1 114 299 409 1.00E-19 104.4 6105 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000033894 6105 148.3 UdeM00000033894 XP_031557194.1 38.4 245
128 6 7 248 4 228 1.30E-32 148.3 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000033895 6573 359 UdeM00000033895 XP_021358036.1 79.6 206
42 0 1 206 1 206 4.10E-96 359 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033896 1735272 353.6 UdeM00000033896 XP_041376080.1 57.5
360 103 5 2 361 3 312 3.00E-94 353.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000033897 6596 498 UdeM00000033897 XP_045192822.1 86.4 273
37 0 1 273 1 273 7.40E-138 498 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033898 6596 260.4 UdeM00000033898 XP_045192822.1 82.3 147
26 0 23 169 127 273 1.60E-66 260.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041513 400727 468.8 UdeM00000041513 XP_025092305.1 53.3
420 186 6 13 427 29 443 7.50E-129 468.8 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000041515 1735272 80.1 UdeM00000041515 XP_041360874.1 30.1
186 115 6 10 184 16 197 3.20E-12 80.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000041516 1735272 270.8 UdeM00000041516 XP_041360874.1 39.3
420 240 7 12 429 13 419 3.00E-69 270.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000041517 2607531 274.6 UdeM00000041517 XP_036368557.1 40.1
387 220 8 35 413 44 426 2.00E-70 274.6 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000041518 1735272 288.5 UdeM00000041518 XP_041360874.1 43.9
367 198 5 1 361 55 419 1.20E-74 288.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000041519 29159 245.7 UdeM00000041519 XP_019919189.2 31.2 641
329 17 82 712 85 623 1.80E-61 245.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041520 6596 496.9 UdeM00000041520 XP_045182242.1 53.4 470
188 5 9 459 16 473 3.10E-137 496.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041521 6596 212.2 UdeM00000041521 XP_045181187.1 62.3 183
57 3 13 191 1 175 5.70E-52 212.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041522 6596 186.4 UdeM00000041522 XP_045181193.1 63.5 159
48 2 8 162 11 163 2.80E-44 186.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041523 6596 295.8 UdeM00000041523 XP_045180623.1 51.6 285
106 4 8 262 132 414 5.40E-77 295.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041524 6596 300.4 UdeM00000041524 XP_045180623.1 53.3 285
104 4 8 265 132 414 2.20E-78 300.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041527 6573 535 UdeM00000041527 XP_021373061.1 77 330
75 1 1 329 507 836 6.60E-149 535 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000041526 6573 657.9 UdeM00000041526 XP_021373065.1 76.5 413
96 1 19 430 404 816 8.80E-186 657.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000041528 29159 213.8 UdeM00000041528 XP_034317505.1 84 125
20 0 265 389 288 412 4.00E-52 213.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041529 6573 445.7 UdeM00000041529 XP_021373061.1 83.3 257
43 0 20 276 21 277 4.50E-122 445.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041530 400727 330.1 UdeM00000041530 XP_025091729.1 87.8
197 24 0 1 197 1 197 1.90E-87 330.1 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000041531 6596 313.5 UdeM00000041531 XP_045166991.1 41.6 411
161 5 57 423 265 640 8.70E-82 313.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041532 29159 242.7 UdeM00000041532 XP_019919189.2 29.7 663
342 12 98 760 85 623 1.60E-60 242.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041533 6596 725.7 UdeM00000041533 XP_045180675.1 50.3 748
341 8 5 734 301 1035 5.90E-206 725.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041534 1735272 113.6 UdeM00000041534 XP_041361447.1 41.7
163 76 5 82 244 116 259 3.70E-22 113.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041535 6579 451.4 UdeM00000041535 XP_033727368.1 50.6 462
158 6 1 393 1 461 1.10E-123 451.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041536 45351 92.4 UdeM00000041536 XP_032236999.1 35.8 151
81 2 37 172 11 160 6.20E-16 92.4 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000041537 6596 290.4 UdeM00000041537 XP_045177776.1 40.6 433
235 8 1 427 405 821 3.70E-75 290.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041538 6596 108.6 UdeM00000041538 XP_045209482.1 41.7 168
86 2 149 316 7 162 1.60E-20 108.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041539 6596 270.8 UdeM00000041539 XP_045195540.1 49.2 256
 129 1 5 260 46 300 2.10E-69 270.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041540 1735272 115.5 UdeM00000041540 XP_041374221.1 34.6
 214 124 1 25 238 25 222 1.60E-22 115.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041541 6596 390.6 UdeM00000041541 XP_045177776.1 41.4 553
 304 10 1 539 405 951 4.80E-105 390.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041542 6596 295.4 UdeM00000041542 XP_045177779.1 41 432
 223 8 1 406 97 522 1.10E-76 295.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041543 6579 559.7 UdeM00000041543 XP_033761495.1 77.1 336
 77 0 36 371 24 359 3.70E-156 559.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041544 6596 111.3 UdeM00000041544 XP_045188177.1 53.5 99
 40 1 1 99 65 157 7.30E-22 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041545 6596 98.6 UdeM00000041545 XP_045162187.1 46.6 103
 55 0 26 128 26 128 9.80E-18 98.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041552 6596 172.6 UdeM00000041552 XP_045200961.1 35.5 279
 158 6 2 271 3 268 7.10E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041553 6596 161 UdeM00000041553 XP_045200961.1 35.3 252
 141 6 1 243 30 268 1.90E-36 161 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041554 29159 91.3 UdeM00000041554 XP_011453058.2 26.5 238
 157 9 26 248 76 310 1.90E-15 91.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041555 1735272 64.3 UdeM00000041555 XP_041375509.1 50
 62 31 0 33 94 931 992 1.20E-07 64.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041557 6596 367.5 UdeM00000041557 XP_045175691.1 47.8 389
 199 4 3 387 17 405 2.20E-98 367.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041558 6565 427.6 UdeM00000041558 XP_022291405.1 65.9 299
 102 0 14 312 12 310 1.40E-116 427.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041559 29159 248.8 UdeM00000041559 XP_011449844.1 23.3 716
 490 14 3 695 6 685 2.00E-62 248.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041560 6596 199.1 UdeM00000041560 XP_045169960.1 21.8 705
 434 16 8 696 7 610 1.80E-47 199.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041561 6596 172.9 UdeM00000041561 XP_045181403.1 58.2 158
 61 2 1 154 765 921 3.10E-40 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041562 6596 407.9 UdeM00000041562 XP_045181407.1 50.6 468
 177 14 3 446 1 438 1.70E-110 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041564 6596 429.9 UdeM00000041564 XP_045181968.1 58.8 328
 134 1 1 327 1 328 3.00E-117 429.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041565 1735272 205.3 UdeM00000041565 XP_041360720.1 37.8
 378 209 9 1076 1444 1387 1747 5.50E-49 205.3 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041565 1735272 132.5 UdeM00000041565 XP_041360720.1 39.4
198 109 3 1 198 1 187 4.50E-27 132.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041569 6596 424.1 UdeM00000041569 XP_045181968.1 57.9 328
137 1 1 327 1 328 1.60E-115 424.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041570 6596 275.4 UdeM00000041570 XP_045181968.1 54.8 228
102 1 1 227 1 228 7.00E-71 275.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041571 6596 417.9 UdeM00000041571 XP_045206084.1 30.5 931
593 21 155 1057 79 983 5.90E-113 417.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041572 6596 403.7 UdeM00000041572 XP_045206084.1 30.2 933
593 21 131 1033 79 983 8.50E-109 403.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041574 6596 186.4 UdeM00000041574 XP_045206055.1 33.7 365
192 11 382 699 79 440 1.20E-43 186.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041575 6596 112.5 UdeM00000041575 XP_045206084.1 32 222
139 8 39 250 221 440 8.40E-22 112.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041576 118200 60.1 UdeM00000041576 XP_009906001.1 26.4
129 93 2 34 162 1954 2080 3.50E-06 60.1 118200

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne ognathae;Piciformes;Picidae;Dryobates;Dryobates pubescens

UdeM00000041577 6565 86.3 UdeM00000041577 XP_022324486.1 36.1 133
 74 6 6 131 319 447 3.30E-14 86.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041578 6596 412.9 UdeM00000041578 XP_045206084.1 30.8 933
 588 21 131 1033 79 983 1.90E-111 412.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041579 6565 167.9 UdeM00000041579 XP_022326775.1 26.7 430
 289 13 2 414 202 622 2.70E-38 167.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041582 6596 265.4 UdeM00000041582 XP_045206055.1 32.8 518
 317 15 383 879 79 586 2.70E-67 265.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041583 29159 219.9 UdeM00000041583 XP_019927830.2 27.9 559
 341 15 377 881 74 624 1.30E-53 219.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041584 6596 413.3 UdeM00000041584 XP_045206084.1 30.8 933
 588 21 43 945 79 983 1.20E-111 413.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041589 6596 371.7 UdeM00000041589 XP_045206065.1 29.1 925
 552 21 43 877 79 989 3.90E-99 371.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041588 6596 413.3 UdeM00000041588 XP_045206084.1 30.8 933
 588 21 133 1035 79 983 1.30E-111 413.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041590 6596 413.7 UdeM00000041590 XP_045206084.1 30.8 933
 588 21 131 1033 79 983 8.00E-112 413.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041591 6596 123.2 UdeM00000041591 XP_045206055.1 25.8 396
 233 13 2 342 197 586 7.00E-25 123.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041592 6596 413.7 UdeM00000041592 XP_045206084.1 30.8 933
588 21 133 1035 79 983 1.00E-111 413.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043816 6596 209.5 UdeM00000043816 XP_045177053.1 33.4 338
209 7 61 390 92 421 7.90E-51 209.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043818 6596 229.2 UdeM00000043818 XP_045176664.1 31.4 506
293 13 44 518 32 514 1.30E-56 229.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043819 6596 127.1 UdeM00000043819 XP_045176094.1 43.4 152
81 3 212 359 83 233 4.60E-26 127.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043820 6596 77 UdeM00000043820 XP_045176664.1 25.4 256
177 6 47 291 35 287 4.40E-11 77 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043821 6596 153.7 UdeM00000043821 XP_045176094.1 43.6 188
98 4 17 200 83 266 2.50E-34 153.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043826 10228 191.8 UdeM00000043826 XP_002118406.1 30.9 433
266 11 12 428 172 587 2.00E-45 191.8 10228 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacidae;Trichoplax;Trichoplax adhaerens

UdeM00000040979 6596 202.2 UdeM00000040979 XP_045213493.1 51.1 182
85 2 2 180 137 317 5.60E-49 202.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009145 6596 668.7 UdeM00000009145 XP_045162867.1 50.8 711
271 9 18 660 363 1062 7.60E-189 668.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009146 6596 251.5 UdeM00000009146 XP_045207443.1 69 171
 53 0 1 171 880 1050 7.60E-64 251.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009147 6596 926.8 UdeM00000009147 XP_045207446.1 52.1 887
 410 9 6 888 7 882 2.10E-266 926.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009149 6596 567 UdeM00000009149 XP_045161482.1 70.7 423
 91 6 1 421 380 771 2.00E-158 567 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009150 6596 577.8 UdeM00000009150 XP_045161482.1 71.1 426
 89 6 1 426 380 771 1.10E-161 577.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009151 6596 484.2 UdeM00000009151 XP_045161482.1 67.6 373
 120 1 1 372 1 373 1.50E-133 484.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009152 6579 411.4 UdeM00000009152 XP_033724832.1 86.9 213
 28 0 5 217 3 215 7.30E-112 411.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009153 29159 85.5 UdeM00000009153 XP_034317111.1 31.1 164
 107 3 28 188 445 605 1.30E-13 85.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009154 29159 157.5 UdeM00000009154 XP_034317111.1 59 122
 50 0 1 122 1 122 1.10E-35 157.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009155 1735272 136 UdeM00000009155 XP_041377984.1 88
 75 9 0 33 107 20 94 3.00E-29 136 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009156 29159 77 UdeM00000009156 XP_034335954.1 32.2 146
 93 4 63 204 32 175 1.80E-10 77 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009157 29159 77 UdeM00000009157 XP_034335954.1 32.2 146
 93 4 92 233 32 175 1.90E-10 77 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009158 29159 84.7 UdeM00000009158 XP_034335954.1 36.4 140
 82 4 99 233 38 175 4.70E-13 84.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009160 29159 84.3 UdeM00000009160 XP_034335954.1 36.4 140
 82 4 92 226 38 175 6.00E-13 84.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009159 29159 84.3 UdeM00000009159 XP_034335954.1 36.4 140
 82 4 99 233 38 175 6.00E-13 84.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009161 6596 86.3 UdeM00000009161 XP_045215532.1 32.2 152
 100 2 87 236 24 174 1.80E-13 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009162 6596 607.1 UdeM00000009162 XP_045163368.1 63.9 463
 163 3 1 460 69 530 1.90E-170 607.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009163 6596 256.1 UdeM00000009163 XP_045163368.1 60.8 199
 78 0 22 220 24 222 4.10E-65 256.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009164 6596 604 UdeM00000009164 XP_045163368.1 58.9 511
 202 5 22 526 24 532 1.90E-169 604 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009165 6573 256.1 UdeM00000009165 XP_021360957.1 59.9 202
 79 1 1 200 8 209 4.10E-65 256.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009166 6850 139.8 UdeM00000009166 XP_022252575.1 71.9 96
 27 0 1 96 126 221 1.90E-30 139.8 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000009167 6850 95.9 UdeM00000009167 XP_022254320.1 66.2 71
 21 1 19 86 413 483 3.70E-17 95.9 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000009168 6596 148.7 UdeM00000009168 XP_045163015.1 30.8 273
 154 3 24 262 24 295 1.10E-32 148.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009169 6565 852.8 UdeM00000009169 XP_022346113.1 97.5 433
 11 0 1 433 1 433 1.90E-244 852.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009170 6565 680.6 UdeM00000009170 XP_022286351.1 55.5 650
 279 5 1 645 1 645 1.90E-192 680.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009171 1232801 191.8 UdeM00000009171 XP_043193789.1 36
 292 178 3 559 848 32 316 3.50E-45 191.8 1232801
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanid
 ae;Amphibalanus;Amphibalanus amphitrite
 UdeM00000009172 6412 200.7 UdeM00000009172 XP_009014029.1 73.9 119
 31 0 16 134 73 191 1.20E-48 200.7 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000009173 1735272 319.7 UdeM00000009173 XP_041377683.1 77.9
 190 42 0 3 192 5 194 2.50E-84 319.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009174 6596 842 UdeM00000009174 XP_045162561.1 78.5 498
 96 4 45 537 8 499 5.30E-241 842 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009175 6596 736.1 UdeM00000009175 XP_045163744.1 45.6 1004
 362 23 453 1304 766 1737 7.70E-209 736.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000009177 34506 165.2 UdeM00000009177 XP_024502180.1 36.1 233
 145 3 102 333 14 243 1.80E-37 165.2 34506 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Tylenchina;Panagrolaimomorpha;Strongyloidea;
 Strongyloidea;Strongyloides;Strongyloides ratti
 UdeM00000009178 45264 336.3 UdeM00000009178 XP_044179091.1 63.1 233
 85 1 1 233 202 433 3.20E-89 336.3 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
 Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora
 UdeM00000009179 36176 218 UdeM00000009179 XP_043534371.1 65.5 139
 48 0 1 139 279 417 7.70E-54 218 36176 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;
 Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Hemiscylliidae;Chiloscyllium;
 Chiloscyllium plagiosum
 UdeM00000009180 50390 362.5 UdeM00000009180 XP_028142380.1 55 260
 117 0 1 260 31 290 4.60E-97 362.5 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;
 Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;
 Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera
 UdeM00000009181 50390 362.5 UdeM00000009181 XP_028142380.1 55.4 258
 115 0 2 259 33 290 4.60E-97 362.5 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;
 Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;
 Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera
 UdeM00000009183 481459 182.2 UdeM00000009183 XP_040031014.1 34.8
 267 163 3 2 268 198 453 8.90E-43 182.2 481459 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;
 Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;
 Eupercaria;Perciformes;Cottioidei;Gasterosteales;Gasterosteidae;Gasterosteus;
 Gasterosteus aculeatus;Gasterosteus aculeatus aculeatus
 UdeM00000009184 6573 509.6 UdeM00000009184 XP_021367898.1 68.1 376
 105 4 1 375 1 362 3.40E-141 509.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009186 6573 222.6 UdeM00000009186 XP_021372552.1 63.1 187
 32 3 30 215 30 180 7.60E-55 222.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009185 6573 273.9 UdeM00000009185 XP_021372552.1 66.7 213
 34 3 6 217 4 180 2.90E-70 273.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009188 6565 284.6 UdeM00000009188 XP_022337637.1 42.1 667
 286 21 213 848 187 784 4.60E-73 284.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009189 6596 228.8 UdeM00000009189 XP_045161222.1 67.6 179
 57 1 9 187 6 183 6.00E-57 228.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009190 29159 119.4 UdeM00000009190 XP_011422610.1 46.2 173
 69 6 1 169 1 153 4.50E-24 119.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009191 6596 114 UdeM00000009191 XP_045163784.1 46.9 147
 71 4 7 152 18 158 1.70E-22 114 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009192 6596 1376.7 UdeM00000009192 XP_045163785.1 60.8
 1200 440 11 160 1353 6 1180 0.00E+00 1376.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009193 6500 411.8 UdeM00000009193 XP_012939659.1 66.6 314
 103 1 80 393 15 326 1.00E-111 411.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000009194 6500 411.8 UdeM00000009194 XP_012939659.1 66.6 314
 103 1 23 336 15 326 8.70E-112 411.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000009195 400727 1048.9 UdeM00000009195 XP_025081660.1
 74.9 676 167 1 13 688 13 685 2.80E-303 1048.9
 400727 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000009196 29159 335.5 UdeM00000009196 XP_011429477.2 60.3 247
 95 2 31 275 2 247 6.50E-89 335.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009197 29159 335.9 UdeM00000009197 XP_011429477.2 60.3 247
95 2 6 250 2 247 4.50E-89 335.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009199 6596 672.5 UdeM00000009199 XP_045161419.1 50.9 636
301 3 17 647 32 661 5.20E-190 672.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009200 6596 847.4 UdeM00000009200 XP_045161419.1 51.1 792
309 3 24 778 23 773 1.40E-242 847.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009203 6596 906.4 UdeM00000009203 XP_045161419.1 55.7 752
332 1 8 759 23 773 2.50E-260 906.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009204 9337 62 UdeM00000009204 XP_036612368.1 30.4 135
67 4 58 168 170 301 8.40E-07 62 9337 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metather
ia;Diprotodontia;Phalangeridae;Trichosurus;Trichosurus vulpecula
UdeM00000009205 6573 223.4 UdeM00000009205 XP_021362041.1 40.1 279
164 3 21 298 15 291 3.90E-55 223.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009206 6573 190.7 UdeM00000009206 XP_021362041.1 32.4 346
164 4 21 365 15 291 3.40E-45 190.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009209 6596 1371.3 UdeM00000009209 XP_045161717.1 51.9
1426 499 22 62 1355 469 1839 0.00E+00 1371.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009210 6596 85.5 UdeM00000009210 XP_045161717.1 30.7 469
280 13 4 447 3 451 1.90E-13 85.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009211 225164 409.5 UdeM00000009211 XP_009060553.1 73.5
 268 71 0 76 343 48 315 5.00E-111 409.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000009213 225164 421.4 UdeM00000009213 XP_009060553.1 72.5
 287 79 0 76 362 48 334 1.20E-114 421.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000009212 225164 417.5 UdeM00000009212 XP_009060553.1 73.2
 276 74 0 76 351 48 323 1.70E-113 417.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000009215 6596 388.3 UdeM00000009215 XP_045161723.1 65.6 302
 93 1 51 352 51 341 1.10E-104 388.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009214 6596 389 UdeM00000009214 XP_045161723.1 68.9 280
 87 0 51 330 51 330 6.20E-105 389 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009216 6596 142.5 UdeM00000009216 XP_045162514.1 67.9 106
 33 1 6 111 491 595 3.40E-31 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009217 6596 142.5 UdeM00000009217 XP_045162514.1 67.9 106
 33 1 96 201 491 595 6.00E-31 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009218 6596 1052 UdeM00000009218 XP_045162514.1 84.7 587
 87 2 23 607 10 595 3.00E-304 1052 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009219 29159 312.8 UdeM00000009219 XP_011456876.2 31.8 629
 266 16 23 638 114 592 1.00E-81 312.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009220 6596 85.5 UdeM00000009220 XP_045162568.1 56.2 89
 33 3 2 89 548 631 4.30E-14 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009222 29159 162.2 UdeM00000009222 XP_011456876.2 41.4 203
 112 4 91 288 404 604 1.00E-36 162.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009223 29159 521.2 UdeM00000009223 XP_011456876.2 37.1 901
 367 22 24 899 116 841 2.70E-144 521.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009224 151771 318.5 UdeM00000009224 XP_028415423.1 32.6
 607 273 8 2 477 23 624 1.40E-83 318.5 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000009225 29159 169.9 UdeM00000009225 XP_011456876.2 64.6 130
 45 1 1 130 713 841 2.30E-39 169.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009226 6573 87.4 UdeM00000009226 XP_021365625.1 51.2 86
 42 0 16 101 41 126 2.40E-14 87.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009227 29159 400.6 UdeM00000009227 XP_011456876.2 36.1 675
 329 18 24 671 116 715 4.50E-108 400.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009228 400727 288.1 UdeM00000009228 XP_025107489.1 53.2
 293 133 3 88 377 147 438 1.60E-74 288.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009229 29159 522.3 UdeM00000009229 XP_011456876.2 42.2 747
 370 24 22 731 121 842 9.90E-145 522.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009230 6573 210.3 UdeM00000009230 XP_021376553.1 36.5 323
 149 1 1 267 81 403 3.00E-51 210.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009234 6596 916.4 UdeM00000009234 XP_045163454.1 73.4 623
 153 4 2 615 11 629 2.00E-263 916.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009235 6565 193 UdeM00000009235 XP_022299727.1 31.8 377
 230 9 39 401 434 797 8.00E-46 193 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009236 29159 245.7 UdeM00000009236 XP_011430393.1 46.4 276
 138 3 20 290 11 281 7.10E-62 245.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009237 6596 98.2 UdeM00000009237 XP_045162188.1 34.6 153
 95 3 25 173 74 225 2.60E-17 98.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009241 1735272 193.7 UdeM00000009241 XP_041355121.1 50.2
 215 96 5 1 207 1 212 3.10E-46 193.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009248 45264 270.4 UdeM00000009248 XP_044165143.1 40 412
 149 7 27 361 35 425 3.30E-69 270.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000009249 45264 172.9 UdeM00000009249 XP_044184031.1 48.7 191
 88 5 1 185 300 486 3.70E-40 172.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000009250 6596 456.8 UdeM00000009250 XP_045162568.1 46 658
 304 19 3 639 4 631 4.50E-125 456.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009251 6596 409.1 UdeM00000009251 XP_045162570.1 56.1 367
 151 4 19 383 19 377 6.30E-111 409.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009252 1735272 105.1 UdeM00000009252 XP_041378199.1 58.3
 108 42 2 1 107 1 106 5.50E-20 105.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009253 6579 396.4 UdeM00000009253 XP_033764004.1 41.2 537
291 9 1 519 1 530 6.10E-107 396.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000009254 6596 280 UdeM00000009254 XP_045161114.1 86.3 153
21 0 34 186 655 807 2.20E-72 280 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009255 6596 281.2 UdeM00000009255 XP_045161115.1 50.8 368
150 11 15 363 176 531 2.30E-72 281.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009256 6579 125.9 UdeM00000009256 XP_033763686.1 73.8 80
20 1 5 84 117 195 2.40E-26 125.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000009257 6596 1410.6 UdeM00000009257 XP_045161334.1 58.9
1256 432 12 11 1205 17 1249 0.00E+00 1410.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009259 6596 262.3 UdeM00000009259 XP_045192050.1 50.6 239
118 0 123 361 18 256 9.20E-67 262.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009260 6596 1218.8 UdeM00000009260 XP_045161330.1 62.5
1018 285 7 16 1024 201 1130 0.00E+00 1218.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009261 6596 1406 UdeM00000009261 XP_045161330.1 59.1 1231
435 11 14 1190 3 1219 0.00E+00 1406 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009262 6596 1379.4 UdeM00000009262 XP_045161330.1 59
1214 427 11 9 1165 20 1219 0.00E+00 1379.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009263 6596 1379.4 UdeM00000009263 XP_045161330.1 59
1214 427 11 9 1165 20 1219 0.00E+00 1379.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009265 45264 393.3 UdeM00000009265 XP_044165535.1 49.6 367
181 1 1 363 158 524 5.80E-106 393.3 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000009267 6596 119.8 UdeM00000009267 XP_045161772.1 35.6 267
131 8 1 261 1 232 5.30E-24 119.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009268 225164 248.4 UdeM00000009268 XP_009058076.1 58
212 89 0 5 216 4 215 8.10E-63 248.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000009269 6565 684.9 UdeM00000009269 XP_022343652.1 77.7 489
103 3 107 589 138 626 9.40E-194 684.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009270 6596 125.9 UdeM00000009270 XP_045180427.1 33.6 274
127 4 1 220 1 273 6.60E-26 125.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009271 6596 90.9 UdeM00000009271 XP_045163075.1 40.7 140
78 3 1 137 1 138 2.80E-15 90.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009272 6596 283.1 UdeM00000009272 XP_045162299.1 67.8 208
58 2 1 199 1 208 2.80E-73 283.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009273 6596 112.1 UdeM00000009273 XP_045161599.1 29.7 263
154 7 20 260 27 280 1.40E-21 112.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009274 7574 143.7 UdeM00000009274 XP_013405563.1 34.5 267
 138 6 1 264 146 378 3.50E-31 143.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000009275 45264 328.9 UdeM00000009275 XP_044182736.1 39.4 485
 261 8 2 469 385 853 1.00E-86 328.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000009276 6579 243.8 UdeM00000009276 XP_033739209.1 48.4 258
 117 2 9 261 2 248 2.40E-61 243.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009277 6579 331.3 UdeM00000009277 XP_033724599.1 51 402
 175 8 12 405 14 401 1.80E-87 331.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009278 6596 312.8 UdeM00000009278 XP_045162550.1 43.1 429
 226 7 4 416 3 429 6.70E-82 312.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009279 6596 889.8 UdeM00000009279 XP_045162356.1 69.8 625
 187 1 11 635 12 634 2.00E-255 889.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009281 29159 259.6 UdeM00000009281 XP_034309752.1 49.1 269
 133 3 2 266 689 957 4.30E-66 259.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009280 6565 224.6 UdeM00000009280 XP_022306954.1 40.3 303
 144 6 165 435 651 948 2.50E-55 224.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009280 6565 120.2 UdeM00000009280 XP_022306954.1 33.5 227
 118 4 1 214 4 210 6.70E-24 120.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009283 29159 194.5 UdeM00000009283 XP_034315421.1 51.9 206
 93 3 135 336 271 474 2.20E-46 194.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009287 6565 559.3 UdeM00000009287 XP_022306197.1 47 698
 314 14 9 681 16 682 6.70E-156 559.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009288 6596 152.9 UdeM00000009288 XP_045161746.1 88.8 89
 10 0 48 136 47 135 2.90E-34 152.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009290 1735272 86.3 UdeM00000009290 XP_041366951.1 44.4
 81 45 0 44 124 163 243 3.50E-14 86.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009291 1735272 158.3 UdeM00000009291 XP_041362472.1 35.8
 243 150 2 224 462 3 243 2.40E-35 158.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009292 400727 819.3 UdeM00000009292 XP_025081017.1 93.9
 441 25 1 1 441 1 439 2.30E-234 819.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000009293 1735272 333.2 UdeM00000009293 XP_041377542.1 84.1
 176 28 0 4 179 6 181 2.10E-88 333.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009295 1735272 188 UdeM00000009295 XP_041377542.1 82.8
 99 17 0 8 106 83 181 6.40E-45 188 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009294 6579 127.1 UdeM00000009294 XP_033741736.1 58.6 99
 41 0 24 122 796 894 1.70E-26 127.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009297 6596 329.3 UdeM00000009297 XP_045161674.1 89.2 158
 17 0 1 158 180 337 2.70E-87 329.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009296 6596 369 UdeM00000009296 XP_045161675.1 87.8 181
 22 0 67 247 127 307 4.70E-99 369 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009298 6573 89.4 UdeM00000009298 XP_021366544.1 47.3 93
49 0 6 98 5 97 2.90E-15 89.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009299 2652724 139.4 UdeM00000009299 XP_028513771.1 36.2
243 123 4 1 243 73 283 6.70E-30 139.4 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000009300 6579 228 UdeM00000009300 XP_033724701.1 50.5 202
100 0 313 514 134 335 2.70E-56 228 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009301 6596 404.1 UdeM00000009301 XP_045163841.1 58.9 355
137 3 16 364 7 358 2.00E-109 404.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009302 6579 639.8 UdeM00000009302 XP_033741736.1 55.5 535
226 4 82 610 347 875 3.70E-180 639.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009303 6579 292.7 UdeM00000009303 XP_033744278.1 53.4 247
114 1 1 246 726 972 4.40E-76 292.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009304 6579 211.5 UdeM00000009304 XP_033763899.1 40.1 374
202 9 3 368 299 658 2.10E-51 211.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009305 6596 161.8 UdeM00000009305 XP_045162477.1 50.6 247
101 7 2 245 296 524 1.20E-36 161.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009306 6579 464.9 UdeM00000009306 XP_033763474.1 74.2 310
67 6 6 311 7 307 8.50E-128 464.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009307 29159 132.1 UdeM00000009307 XP_034331441.1 41.4 181
103 3 1 181 1 178 7.60E-28 132.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009309 6596 94.7 UdeM00000009309 XP_045163642.1 40 160
79 9 11 160 13 165 1.20E-16 94.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009310 6579 496.1 UdeM00000009310 XP_033731203.1 60.1 376
147 2 2 376 4 377 3.90E-137 496.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008863 6573 201.8 UdeM00000008863 XP_021355224.1 36.4 341
163 7 9 340 17 312 2.80E-48 201.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008864 6573 205.7 UdeM00000008864 XP_021355224.1 39.5 334
155 10 9 333 17 312 2.00E-49 205.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008866 1735272 167.5 UdeM00000008866 XP_041361370.1 24
730 485 21 8 695 8 709 6.30E-38 167.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008867 1735272 173.7 UdeM00000008867 XP_041361369.1 25.1
740 484 23 6 705 7 716 8.80E-40 173.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008868 29159 146 UdeM00000008868 XP_034320422.1 75 84
21 0 46 129 141 224 3.70E-32 146 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008869 6596 837 UdeM00000008869 XP_045209790.1 55 789
326 9 217 981 1 784 2.50E-239 837 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008872 6579 76.3 UdeM00000008872 XP_033744239.1 53.2 79
35 1 54 132 356 432 3.80E-11 76.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008874 2652724 167.5 UdeM00000008874 XP_028514361.1 58.1
117 49 0 10 126 790 906 1.20E-38 167.5 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000008875 6596 234.6 UdeM00000008875 XP_045199866.1 46.1 228
122 1 4 231 1914 2140 1.40E-58 234.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008876 29159 85.1 UdeM00000008876 XP_011433261.2 54.1 74
34 0 52 125 1972 2045 7.20E-14 85.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008877 1735272 342.4 UdeM00000008877 XP_041357551.1 39.5
433 258 3 1 433 41 469 8.20E-91 342.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008878 6579 62 UdeM00000008878 XP_033725862.1 40.8 76
45 0 125 200 215 290 1.00E-06 62 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008879 6596 1195.3 UdeM00000008879 XP_045157300.1 38.6
1584 912 31 197 1755 3 1551 0.00E+00 1195.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008880 6596 1129.4 UdeM00000008880 XP_045157300.1 37.4
1584 887 32 197 1710 3 1551 0.00E+00 1129.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008884 1735272 480.3 UdeM00000008884 XP_041357551.1 39.3
616 368 5 14 629 25 634 3.70E-132 480.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008882 1735272 481.5 UdeM00000008882 XP_041357551.1 39.1
632 375 6 11 642 13 634 1.70E-132 481.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008883 1735272 481.5 UdeM00000008883 XP_041357551.1 39.1
632 375 6 11 642 13 634 1.70E-132 481.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008887 6579 807 UdeM00000008887 XP_033724854.1 38 1321
695 26 34 1272 59 1337 3.70E-230 807 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008888 6579 685.6 UdeM00000008888 XP_033724854.1 32.8 1480
690 32 19 1402 54 1324 1.30E-193 685.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008889 1735272 392.1 UdeM00000008889 XP_041371976.1 35.5
662 357 18 43 660 55 690 1.40E-105 392.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008890 6596 241.9 UdeM00000008890 XP_045207155.1 51 296
115 5 471 762 145 414 2.70E-60 241.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008891 6596 78.6 UdeM00000008891 XP_045207155.1 62.9 62
23 0 91 152 414 475 1.00E-11 78.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008892 6573 335.1 UdeM00000008892 XP_021368827.1 44.2 387
190 9 22 387 11 392 1.20E-88 335.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008893 6565 401.4 UdeM00000008893 XP_022344684.1 50.6 389
191 1 12 399 19 407 1.50E-108 401.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008894 6565 343.6 UdeM00000008894 XP_022344684.1 42.9 399
190 5 10 373 19 414 3.70E-91 343.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008895 6579 141.7 UdeM00000008895 XP_033733231.1 29.9 395
257 10 53 434 73 460 3.20E-30 141.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008896 6596 167.9 UdeM00000008896 XP_045207757.1 50 168
82 2 8 174 19 185 1.20E-38 167.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008897 6596 452.2 UdeM00000008897 XP_045208451.1 65.6 314
 105 1 4 314 3 316 5.40E-124 452.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008898 6579 620.2 UdeM00000008898 XP_033732800.1 50.1 609
 290 9 50 652 41 641 3.10E-174 620.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008899 6596 181.8 UdeM00000008899 XP_045162238.1 29 341
 225 5 2 336 141 470 1.50E-42 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008900 6596 782.3 UdeM00000008900 XP_045208328.1 34.2 1432
 766 28 19 1369 12 1348 1.00E-222 782.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008901 6573 66.6 UdeM00000008901 XP_021364034.1 38.2 68
 42 0 3 70 1219 1286 1.60E-08 66.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008902 6565 284.3 UdeM00000008902 XP_022341886.1 75.4 179
 42 1 3 179 2 180 1.10E-73 284.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008903 6596 586.6 UdeM00000008903 XP_045210366.1 51.5 623
 261 12 20 621 19 621 3.60E-164 586.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008905 6596 207.2 UdeM00000008905 XP_045208495.1 52.7 169
 73 3 1 168 10 172 1.60E-50 207.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008906 400727 59.7 UdeM00000008906 XP_025082576.1 45.8
 83 36 3 1 83 1 74 3.30E-06 59.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000008907 400727 780 UdeM00000008907 XP_025081089.1 65.4
 584 196 2 20 603 321 898 2.20E-222 780 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000008908 29159 104.8 UdeM00000008908 XP_011450739.2 70.1 67
 20 0 1 67 844 910 4.50E-20 104.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008909 6596 308.9 UdeM00000008909 XP_045207456.1 36.7 507
 181 6 240 607 339 844 1.40E-80 308.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008910 6596 469.9 UdeM00000008910 XP_045207456.1 47.3 791
 354 17 45 792 75 845 6.20E-129 469.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008911 6596 251.1 UdeM00000008911 XP_045207456.1 50.7 278
 112 7 4 269 581 845 1.60E-63 251.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008912 6573 67.4 UdeM00000008912 XP_021354703.1 26.3 175
 95 2 21 162 17 190 2.20E-08 67.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008913 6596 870.2 UdeM00000008913 XP_045188050.1 46 1035
 501 9 7 1022 421 1416 2.70E-249 870.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008914 2607531 288.9 UdeM00000008914 XP_036359723.1 32.8
 545 355 7 89 628 119 657 1.60E-74 288.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
 Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008915 2607531 288.9 UdeM00000008915 XP_036359723.1 32.8
 545 355 7 79 618 119 657 1.60E-74 288.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
 Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008916 6596 184.1 UdeM00000008916 XP_045176613.1 46.2 199
 100 5 53 247 147 342 2.30E-43 184.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008917 6565 143.7 UdeM00000008917 XP_022344143.1 47.7 153
77 3 13 164 17 167 2.20E-31 143.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008918 6596 332.8 UdeM00000008918 XP_045176613.1 48.6 346
168 8 3 343 4 344 5.20E-88 332.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008920 6596 64.7 UdeM00000008920 XP_045208681.1 34.5 142
76 5 14 141 5 143 1.40E-07 64.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008922 6596 117.9 UdeM00000008922 XP_045202576.1 55.6 108
47 1 1 107 87 194 1.40E-23 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008923 6596 101.3 UdeM00000008923 XP_045202346.1 36.2 152
93 2 6 156 16 164 1.20E-18 101.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008924 6596 65.9 UdeM00000008924 XP_045202346.1 50 54
27 0 2 55 94 147 3.50E-08 65.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008929 29159 452.2 UdeM00000008929 XP_034330911.1 48.8 461
217 8 8 456 13 466 7.80E-124 452.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008930 6565 102.1 UdeM00000008930 XP_022322655.1 48.5 99
51 0 2 100 650 748 4.40E-19 102.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008931 6565 144.8 UdeM00000008931 XP_022322655.1 35.8 246
103 5 1 194 417 659 1.20E-31 144.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008932 29159 62 UdeM00000008932 XP_011426086.2 25.2 139
 99 3 3 137 35 172 6.90E-07 62 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008938 29159 59.7 UdeM00000008938 XP_011426086.2 26.7 135
 94 3 3 133 35 168 4.50E-06 59.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008940 29159 73.2 UdeM00000008940 XP_011426086.2 26.6 154
 111 2 33 184 35 188 1.10E-09 73.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008941 1735272 268.5 UdeM00000008941 XP_041357551.1 28.8
 619 397 13 4 600 38 634 2.40E-68 268.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008943 6573 94.7 UdeM00000008943 XP_021340830.1 43.8 121
 61 3 4 119 1929 2047 8.90E-17 94.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008946 29159 73.9 UdeM00000008946 XP_011426086.2 22.8 311
 200 11 6 298 35 323 4.00E-10 73.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008947 412133 81.3 UdeM00000008947 XP_001580069.1 33.8
 142 88 3 532 670 326 464 5.40E-12 81.3 412133
 cellular
 organisms;Eukaryota;Metamonada;Parabasalia;Trichomonadida;Trichomonadidae
 ;Trichomonas;Trichomonas vaginalis;Trichomonas vaginalis G3
 UdeM00000008948 29159 216.1 UdeM00000008948 XP_011433261.2 42.1 252
 140 4 336 581 1973 2224 1.40E-52 216.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008949 1735272 260.4 UdeM00000008949 XP_041357551.1 29
 601 404 13 7 596 46 634 6.60E-66 260.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008950 6596 452.6 UdeM00000008950 XP_045168479.1 36.4 707
 422 7 11 709 30 716 9.30E-124 452.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008951 6565 69.7 UdeM00000008951 XP_022291841.1 39.8 83
 50 0 52 134 53 135 7.20E-09 69.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008952 6596 300.4 UdeM00000008952 XP_045168479.1 36.9 472
 277 5 3 467 259 716 3.90E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008953 6596 84 UdeM00000008953 XP_045169256.1 29.2 185
 120 4 5 185 3 180 2.30E-13 84 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008954 6105 157.5 UdeM00000008954 XP_031551063.1 31.8 277
 168 4 3 261 449 722 2.30E-35 157.5 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000008955 6596 312 UdeM00000008955 XP_045168479.1 37.9 404
 238 3 11 414 30 420 1.20E-81 312 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008956 6596 463.4 UdeM00000008956 XP_045168479.1 37.1 715
 423 6 3 710 22 716 5.30E-127 463.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008957 6105 116.7 UdeM00000008957 XP_031551063.1 41 139
 74 1 34 164 584 722 2.90E-23 116.7 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000008958 6596 134.4 UdeM00000008958 XP_045168479.1 30.9 223
 153 1 43 265 298 519 2.10E-28 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008959 6596 88.2 UdeM00000008959 XP_045168478.1 36.8 133
 68 3 39 171 103 219 1.10E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008961 6596 75.1 UdeM00000008961 XP_045168479.1 42.5 80
 46 0 55 134 583 662 8.00E-11 75.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008962 6105 125.9 UdeM00000008962 XP_031551063.1 46.9 130
 61 1 1 122 591 720 3.60E-26 125.9 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000008963 6596 287.7 UdeM00000008963 XP_045168479.1 40.6 342
 202 1 1 342 170 510 1.90E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008964 6596 58.2 UdeM00000008964 XP_045169256.1 31.3 99
 68 0 3 101 4 102 7.40E-06 58.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008965 6596 457.2 UdeM00000008965 XP_045168479.1 34.7 709
 443 6 11 719 30 718 3.80E-125 457.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008966 6596 458 UdeM00000008966 XP_045168479.1 35.1 713
 439 7 11 723 30 718 2.30E-125 458 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008967 7654 176.4 UdeM00000008967 XP_041483378.1 27.7 415
 274 5 1120 1524 532 930 2.80E-40 176.4 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000008968 6596 483 UdeM00000008968 XP_045208579.1 48.9 483
 245 1 16 498 16 496 4.60E-133 483 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008969 37653 256.1 UdeM00000008969 XP_014770564.1 90 140
 14 0 1 140 1 140 2.50E-65 256.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000008970 6596 220.3 UdeM00000008970 XP_045209851.1 72.5 138
 38 0 2 139 4 141 1.80E-54 220.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008971 6596 198.7 UdeM00000008971 XP_045209839.1 62 229
 70 7 21 232 187 415 7.90E-48 198.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008972 7574 84.7 UdeM00000008972 XP_013401704.1 42.9 84
43 1 17 95 748 831 7.10E-14 84.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000008973 6565 155.2 UdeM00000008973 XP_022290947.1 43.1 197
110 2 5 200 26 221 8.60E-35 155.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008974 1735272 127.1 UdeM00000008974 XP_041372244.1 39.1
156 95 0 6 161 6 161 2.10E-26 127.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000008975 6596 439.1 UdeM00000008975 XP_045210465.1 70.7 294
79 2 51 339 37 328 5.10E-120 439.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008976 6596 192.6 UdeM00000008976 XP_045213108.1 38.3 371
190 11 18 359 11 371 8.90E-46 192.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008977 6596 481.9 UdeM00000008977 XP_045208245.1 78.3 290
62 1 1 289 1 290 5.90E-133 481.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008978 6596 870.5 UdeM00000008978 XP_045209202.1 37.9 1243
689 28 374 1559 631 1847 3.30E-249 870.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008979 6596 134.8 UdeM00000008979 XP_045189898.1 29.2 332
214 8 537 861 2017 2334 5.60E-28 134.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008980 6596 597 UdeM00000008980 XP_045209202.1 32.9 1084
582 23 22 983 631 1691 4.20E-167 597 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008981 6596 78.6 UdeM00000008981 XP_045208001.1 31 142
 97 1 261 401 2204 2345 2.10E-11 78.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008982 6596 201.8 UdeM00000008982 XP_045207645.1 33 352
 95 5 299 510 774 1124 3.30E-48 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008983 6596 894.4 UdeM00000008983 XP_045189898.1 35.2 1409
 857 22 376 1750 289 1675 3.80E-256 894.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008984 6596 187.6 UdeM00000008984 XP_045209202.1 25.3 479
 163 7 206 490 1275 1752 5.30E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008985 6500 291.2 UdeM00000008985 XP_035826907.1 42.6 385
 212 5 1 383 300 677 2.30E-75 291.2 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000008986 1735272 287.7 UdeM00000008986 XP_041361403.1 44.5
 346 178 8 11 348 23 362 2.00E-74 287.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008987 1529436 298.9 UdeM00000008987 XP_033103324.1 43.5
 372 200 6 1 366 12 379 1.30E-77 298.9 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000008988 225164 120.9 UdeM00000008988 XP_009052905.1 80.9
 68 13 0 30 97 284 351 8.80E-25 120.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000008989 1735272 257.7 UdeM00000008989 XP_041347279.1 34.2
 430 248 9 1 400 1 425 2.80E-65 257.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008990 6573 65.5 UdeM00000008990 XP_021368863.1 71.4 42
12 0 1 42 41 82 7.40E-08 65.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008991 1529436 304.7 UdeM00000008991 XP_033103324.1 43.5
379 201 7 3 373 6 379 2.50E-79 304.7 1529436
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica
UdeM00000008992 6596 168.3 UdeM00000008992 XP_045209201.1 34.3 271
138 5 318 549 4008 4277 3.20E-38 168.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008995 6596 147.5 UdeM00000008995 XP_045207645.1 30.9 265
177 4 3 264 1812 2073 3.50E-32 147.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008996 225164 588.2 UdeM00000008996 XP_009052905.1 78.6
355 72 1 1 355 1 351 7.10E-165 588.2 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000008997 1735272 284.6 UdeM00000008997 XP_041361403.1 42
357 193 7 7 354 11 362 1.70E-73 284.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008998 1735272 302 UdeM00000008998 XP_041361403.1 47.5
337 169 6 3 337 47 377 1.30E-78 302 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008999 225164 596.3 UdeM00000008999 XP_009052905.1 80.1
351 70 0 1 351 1 351 2.60E-167 596.3 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000009000 6596 727.2 UdeM00000009000 XP_045208088.1 64 586
177 6 4 576 99 663 1.60E-206 727.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009001 6596 132.5 UdeM00000009001 XP_045163868.1 50.7 136
 60 2 4 132 3 138 4.00E-28 132.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009005 6596 466.5 UdeM00000009005 XP_045207527.1 79.5 292
 59 1 8 299 12 302 2.70E-128 466.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009006 6596 401.4 UdeM00000009006 XP_045207527.1 67.2 302
 92 3 5 300 8 308 1.00E-108 401.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009007 6596 94.4 UdeM00000009007 XP_045188729.1 25.5 424
 254 14 29 404 1085 1494 3.80E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009008 7574 80.5 UdeM00000009008 XP_013384015.1 51.1 94
 45 1 6 99 186 278 1.50E-12 80.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000009009 9545 96.3 UdeM00000009009 XP_011720398.1 24.3 412
 269 13 17 414 1000 1382 9.90E-17 96.3 9545 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Catarri
 ni;Cercopithecoidea;Cercopithecidae;Cercopithecinae;Macaca;Macaca
 nemestrina
 UdeM00000009010 6596 302.4 UdeM00000009010 XP_045209334.1 52.3 325
 130 7 4 322 9 314 7.00E-79 302.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009011 29159 586.3 UdeM00000009011 XP_011449002.2 61.6 445
 171 0 1 445 1 445 3.40E-164 586.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009012 6596 169.5 UdeM00000009012 XP_045210186.1 64.2 120
 39 2 34 153 55 170 4.10E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009013 6579 340.1 UdeM00000009013 XP_033732980.1 51.7 360
 140 10 1 336 1 350 3.20E-90 340.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009014 6579 709.9 UdeM00000009014 XP_033729842.1 65.3 519
 178 1 7 525 8 524 2.40E-201 709.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009015 6596 482.3 UdeM00000009015 XP_045208023.1 49.9 537
 257 5 1 529 1 533 8.30E-133 482.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009017 7574 79.3 UdeM00000009017 XP_013405563.1 34.7 144
 81 1 2 145 247 377 4.50E-12 79.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000009018 6596 345.5 UdeM00000009018 XP_045170511.1 31 670
 402 18 365 995 281 929 2.60E-91 345.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009022 6596 80.5 UdeM00000009022 XP_045208558.1 28.6 238
 149 10 14 245 63 285 4.60E-12 80.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009023 218467 61.6 UdeM00000009023 XP_023231487.1 27.8
 180 119 4 297 468 928 1104 3.50E-06 61.6 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000009024 218467 61.6 UdeM00000009024 XP_023231487.1 27.8
 180 119 4 195 366 928 1104 2.80E-06 61.6 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000009027 6596 72.4 UdeM00000009027 XP_045207213.1 28.1 146
 83 5 46 188 594 720 7.60E-10 72.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009028 6596 72.4 UdeM00000009028 XP_045207213.1 28.1 146
 83 5 95 237 594 720 9.40E-10 72.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009031 118141 65.9 UdeM00000009031 XP_036394471.1 30.2
 149 88 4 159 299 908 1048 1.40E-07 65.9 118141
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Elopiiformes;Megalopidae;Megalops;Megalops cyprinoides
 UdeM00000009034 6596 77 UdeM00000009034 XP_045207213.1 21.6 306
 212 9 46 348 594 874 9.50E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009035 29159 58.9 UdeM00000009035 XP_034322739.1 32.1 134
 83 4 52 181 589 718 8.80E-06 58.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009036 6596 100.1 UdeM00000009036 XP_045210115.1 27.4 266
 154 11 46 294 328 571 7.90E-18 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009039 6596 67 UdeM00000009039 XP_045208558.1 32.7 104
 59 3 14 117 63 155 4.20E-08 67 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009042 7957 63.2 UdeM00000009042 XP_026135560.1 33 103
 64 2 50 152 202 299 4.60E-07 63.2 7957 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysii;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 ideii;Cyprinidae;Cyprininae;Carassius;Carassius auratus
 UdeM00000009046 6596 189.1 UdeM00000009046 XP_045183440.1 52.6 190
 85 3 1 189 198 383 7.20E-45 189.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009047 151771 120.9 UdeM00000009047 XP_028417951.1 43.2
 139 78 1 43 181 7 144 1.60E-24 120.9 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo

corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea
 UdeM00000009050 6596 430.6 UdeM00000009050 XP_045208747.1 67.2 287
 85 4 280 565 273 551 3.30E-117 430.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009051 6573 1038.9 UdeM00000009051 XP_021368837.1 34.7
 6630 2801 131 103 5769 919 6983 2.70E-299 1038.9 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009052 6579 668.7 UdeM00000009052 XP_033732984.1 74.8 420
 103 3 5 423 6599 7016 4.90E-189 668.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009053 6579 328.2 UdeM00000009053 XP_033733025.1 49 484
 198 18 6 463 29 489 2.60E-86 328.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009054 6579 329.3 UdeM00000009054 XP_033733025.1 49.3 483
 197 18 6 462 29 489 1.20E-86 329.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009055 6579 93.6 UdeM00000009055 XP_033733025.1 33 312
 155 12 1107 1407 789 1057 2.20E-15 93.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009056 6596 127.5 UdeM00000009056 XP_045202576.1 56.5 124
 46 2 1 116 87 210 2.00E-26 127.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009057 6596 172.6 UdeM00000009057 XP_045206316.1 53.6 151
 69 1 2 151 128 278 4.00E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009059 90988 125.2 UdeM00000009059 XP_039535825.1 58.8 102
 40 1 1 100 111 212 5.20E-26 125.2 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 idei;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas

UdeM00000009060 260615 300.1 UdeM00000009060 XP_039386738.1 88.9
180 18 1 1 178 347 526 1.90E-78 300.1 260615
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
oemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000009061 225164 404.4 UdeM00000009061 XP_009052844.1 63.2
323 118 1 39 360 25 347 1.50E-109 404.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000009062 70779 189.5 UdeM00000009062 XP_015749887.1 38.8 325
152 9 30 316 22 337 6.50E-45 189.5 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera

UdeM00000009063 27687 155.2 UdeM00000009063 XP_028657992.1 30.5 377
229 8 25 385 104 463 1.70E-34 155.2 27687 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
thys calabaricus

UdeM00000009064 6596 1280.4 UdeM00000009064 XP_045157300.1 36.9
1988 1073 45 46 1898 6 1946 0.00E+00 1280.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009065 7757 376.7 UdeM00000009065 XP_032835197.1 80.3 233
46 0 77 309 3 235 2.80E-101 376.7 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
s;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000009066 7757 109.8 UdeM00000009066 XP_032835197.1 67.9 81
19 1 1 74 251 331 1.70E-21 109.8 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
s;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000009067 1415580 170.6 UdeM00000009067 XP_030075314.1 46.7
214 96 3 1 211 427 625 2.10E-39 170.6 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor

UdeM00000009068 6596 1310.8 UdeM00000009068 XP_045157300.1 35.7
2084 1107 39 97 2094 10 1946 0.00E+00 1310.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009069 6596 418.7 UdeM00000009069 XP_045208069.1 35.9 647
 383 15 105 733 369 1001 3.20E-113 418.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009070 6596 103.6 UdeM00000009070 XP_045209997.1 44.4 108
 57 1 4 108 37 144 1.60E-19 103.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009071 29159 265.8 UdeM00000009071 XP_034316161.1 45 291
 159 1 1 290 718 1008 6.60E-68 265.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009072 6596 360.1 UdeM00000009072 XP_045208459.1 52.8 305
 144 0 11 315 7 311 2.80E-96 360.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009073 400727 93.2 UdeM00000009073 XP_025084528.1 49.5
 95 39 1 1 86 46 140 1.80E-16 93.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000009074 6596 413.3 UdeM00000009074 XP_045207043.1 67 291
 93 2 12 302 307 594 2.70E-112 413.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009075 6579 402.9 UdeM00000009075 XP_033732370.1 69.6 293
 87 2 1 291 1 293 3.60E-109 402.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009077 6596 286.2 UdeM00000009077 XP_045210146.1 74 192
 43 2 11 200 3 189 3.20E-74 286.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009078 6596 116.3 UdeM00000009078 XP_045210141.1 62.1 87
 33 0 1 87 169 255 1.90E-23 116.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009080 6579 114.4 UdeM00000009080 XP_033733263.1 63.4 82
 30 0 1 82 37 118 8.90E-23 114.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009081 6596 493.4 UdeM00000009081 XP_045207548.1 74.5 318
 80 1 1 317 1 318 2.10E-136 493.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009082 29159 105.1 UdeM00000009082 XP_019919120.2 24.2 400
 274 11 20 412 46 423 2.20E-19 105.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009083 2607531 101.7 UdeM00000009083 XP_029658399.1 30.2
 192 126 4 67 255 104 290 1.50E-18 101.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000009087 6579 182.2 UdeM00000009087 XP_033729137.1 31.5 362
 220 9 6 354 13 359 1.20E-42 182.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009088 225164 443 UdeM00000009088 XP_009063875.1 65
 306 107 0 1 306 1 306 3.20E-121 443 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000009089 6596 278.1 UdeM00000009089 XP_045210361.1 76.2 164
 39 0 4 167 3 166 7.90E-72 278.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009090 6596 481.1 UdeM00000009090 XP_045208226.1 58.9 423
 155 3 17 438 8 412 1.50E-132 481.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009091 6500 200.7 UdeM00000009091 XP_012935509.1 43.6 250
 127 7 1157 1405 1072 1308 1.30E-47 200.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000009092 6573 658.7 UdeM00000009092 XP_021342727.1 59.4 493
 199 1 5 497 32 523 6.00E-186 658.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000009093 6565 210.3 UdeM00000009093 XP_022341069.1 39.2 260
155 1 1186 1445 1181 1437 1.60E-50 210.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000009095 6579 228 UdeM00000009095 XP_033726761.1 62.9 197
69 2 1 193 7 203 1.00E-56 228 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000009094 6579 240.7 UdeM00000009094 XP_033726761.1 62.9 205
72 2 1 201 7 211 1.60E-60 240.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000009096 6596 904 UdeM00000009096 XP_045209739.1 77.4 636
140 4 1 633 1 635 1.00E-259 904 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000009097 29159 215.7 UdeM00000009097 XP_011420009.2 24.6 670
451 19 21 668 16 653 1.80E-52 215.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000009098 6565 102.8 UdeM00000009098 XP_022321940.1 25.6 250
178 5 24 270 428 672 7.20E-19 102.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000009099 29159 64.3 UdeM00000009099 XP_034315424.1 36.1 108
60 3 12 116 213 314 1.40E-07 64.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000009100 1735272 330.5 UdeM00000009100 XP_041372048.1 54.8
301 127 3 9 303 10 307 2.80E-87 330.5 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000009102 1735272 86.3 UdeM00000009102 XP_041379412.1 40.6
106 62 1 29 133 11 116 3.50E-14 86.3 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000009103 8005 72.4 UdeM00000009103 XP_026860382.2 40.9 93
52 2 51 140 367 459 5.60E-10 72.4 8005 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnotoidei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000009104 6579 72.4 UdeM00000009104 XP_033732841.1 60 45
 18 0 3 47 6 50 2.20E-09 72.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009106 134920 132.5 UdeM00000009106 XP_037324962.1 55.8
 113 49 1 4 116 133 244 3.70E-28 132.5 134920
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioidei;Gasterosteales;Gasterosteidae;Pungitius;Pungitius pungitius
 UdeM00000009107 260995 130.6 UdeM00000009107 XP_033809097.1 48.3
 120 62 0 1 120 136 255 1.40E-27 130.6 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini
 UdeM00000009108 260995 130.6 UdeM00000009108 XP_033809097.1 48.3
 120 62 0 1 120 136 255 1.40E-27 130.6 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini
 UdeM00000009109 6596 209.9 UdeM00000009109 XP_045208340.1 63.1 233
 75 4 1 225 6 235 3.40E-51 209.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000009110 6573 756.1 UdeM00000009110 XP_021352765.1 55.8 650
 274 7 33 671 31 678 3.70E-215 756.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009111 6596 422.9 UdeM00000009111 XP_045207726.1 62.2 328
 115 1 10 337 9 327 3.70E-115 422.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000009112 6596 423.3 UdeM00000009112 XP_045207726.1 62.2 328
 115 1 7 334 9 327 2.80E-115 423.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009113 6596 367.1 UdeM00000009113 XP_045208156.1 77.7 211
 47 0 10 220 6 216 1.60E-98 367.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009115 29159 93.6 UdeM00000009115 XP_011453423.2 35.6 101
 64 1 1 100 714 814 1.60E-16 93.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009116 6573 84.3 UdeM00000009116 XP_021374089.1 30.3 132
 58 3 50 148 548 678 1.40E-13 84.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009118 6596 181.8 UdeM00000009118 XP_045194326.1 43.5 207
 106 4 20 215 23 229 9.60E-43 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009119 6573 187.2 UdeM00000009119 XP_021359532.1 32.5 302
 193 5 4 295 346 646 3.00E-44 187.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009120 6596 207.6 UdeM00000009120 XP_045209563.1 32.7 336
 162 6 82 373 19 334 2.90E-50 207.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009121 6596 80.1 UdeM00000009121 XP_045209326.1 47.7 132
 49 6 52 171 60 183 3.20E-12 80.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034008 6596 248.4 UdeM00000034008 XP_045179850.1 56.2 208
 90 1 25 232 19 225 8.80E-63 248.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034009 6596 220.3 UdeM00000034009 XP_045198179.1 33.1 405
 237 6 11 382 675 1078 4.20E-54 220.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034010 6596 432.2 UdeM00000034010 XP_045156280.1 54 411
 183 5 1 408 389 796 7.70E-118 432.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034011 6573 362.1 UdeM00000034011 XP_021349151.1 52.9 333
154 2 2 334 30 359 7.90E-97 362.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034012 29159 97.4 UdeM00000034012 XP_034330259.1 34 150
82 5 8 153 403 539 1.70E-17 97.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034013 6596 174.9 UdeM00000034013 XP_045193479.1 53.9 152
70 0 1 152 28 179 8.00E-41 174.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034014 6573 134.4 UdeM00000034014 XP_021357372.1 53.1 128
54 4 1 128 154 275 1.10E-28 134.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034016 7668 149.8 UdeM00000034016 XP_030845483.1 61.1 126
49 0 1 126 384 509 2.30E-33 149.8 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000034017 6579 110.5 UdeM00000034017 XP_033753599.1 57.5 106
34 3 12 106 174 279 1.30E-21 110.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034018 37653 184.5 UdeM00000034018 XP_014784938.1 53.9 152
69 1 5 156 212 362 1.10E-43 184.5 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000034019 151771 90.5 UdeM00000034019 XP_028397269.1 51.2
80 33 1 1 74 206 285 3.10E-15 90.5 151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000034020 6565 76.6 UdeM00000034020 XP_022298030.1 30.5 131
91 0 6 136 11 141 3.10E-11 76.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034021 6565 130.2 UdeM00000034021 XP_022297037.1 64.5 93
33 0 1 93 228 320 1.50E-27 130.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034022 6565 223.8 UdeM00000034022 XP_022286598.1 40.8 348
140 7 1 292 1 338 3.50E-55 223.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034023 6579 221.5 UdeM00000034023 XP_033729837.1 58.8 170
70 0 14 183 17 186 9.70E-55 221.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000034024 10224 62.4 UdeM00000034024 XP_002737779.1 57.1 49
21 0 1 49 437 485 3.00E-07 62.4 10224 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus
kowalevskii
UdeM00000034025 6565 179.5 UdeM00000034025 XP_022286598.1 50 174
85 1 40 213 266 437 4.90E-42 179.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034026 6565 122.5 UdeM00000034026 XP_022342298.1 31.4 318
98 4 48 249 200 513 8.60E-25 122.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034027 390379 95.1 UdeM00000034027 XP_034039899.1 51.4
70 34 0 5 74 4 73 4.50E-17 95.1 390379
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorphacea; Percomorphaceae; Batrachoidaria; Batrachoidiforme
s; Batrachoididae; Thalassophyrinae; Thalassophryne; Thalassophryne
amazonica
UdeM00000034028 2652724 393.7 UdeM00000034028 XP_020903442.1 41.8
519 284 8 9 515 2 514 3.80E-106 393.7 2652724
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Actiniaria; Aiptasiidae; Exaiptasia; Exaiptasia diaphana
UdeM00000034030 1203425 71.6 UdeM00000034030 XP_034530357.1 60.8
51 20 0 1 51 72 122 3.70E-10 71.6 1203425
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorphacea; Percomorphaceae; Eupercaria; Labriformes; Labridae
; Notolabrus; Notolabrus celidotus
UdeM00000034029 29159 82.8 UdeM00000034029 XP_034334268.1 62.3 61
20 1 1 61 160 217 1.90E-13 82.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034031 29159 119 UdeM00000034031 XP_034334268.1 59.4 96
36 1 1 96 160 252 3.30E-24 119 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034033 46514 132.9 UdeM00000034033 XP_038073135.1 36.4 530
231 9 1 434 14 533 1.00E-27 132.9 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000034034 6596 198.7 UdeM00000034034 XP_045179821.1 40.4 277
161 3 9 283 31 305 9.70E-48 198.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034035 1735272 61.6 UdeM00000034035 XP_041359107.1 27.6
214 111 7 4 191 8 203 1.30E-06 61.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000034036 1735272 61.6 UdeM00000034036 XP_041359107.1 27.6
217 113 7 22 212 5 203 1.40E-06 61.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000034038 6579 373.6 UdeM00000034038 XP_033743002.1 50 344
171 1 92 434 10 353 3.40E-100 373.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034037 6579 373.6 UdeM00000034037 XP_033743002.1 50 344
171 1 113 455 10 353 3.60E-100 373.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034039 6596 198.7 UdeM00000034039 XP_045175762.1 36.4 368
202 10 4 354 5 357 1.20E-47 198.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034040 6596 188 UdeM00000034040 XP_045175763.1 32.1 399
208 10 54 436 5 356 2.60E-44 188 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034041 6596 168.7 UdeM00000034041 XP_045175761.1 34.9 292
162 8 54 329 82 361 1.30E-38 168.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034042 34632 65.5 UdeM00000034042 XP_037504739.1 42.4 66
38 0 8 73 365 430 3.30E-08 65.5 34632 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Rhipicephalus;Rhipicephalus sanguineus group;Rhipicephalus sanguineus

UdeM00000034043 6596 87 UdeM00000034043 XP_045175117.1 37.4 147
89 2 3 148 4 148 3.70E-14 87 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034044 6596 273.9 UdeM00000034044 XP_045206316.1 51.9 268
125 2 11 277 169 433 3.10E-70 273.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034045 6596 114.8 UdeM00000034045 XP_045175117.1 40.5 158
80 5 12 167 192 337 1.20E-22 114.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034046 6596 298.1 UdeM00000034046 XP_045201856.1 56.6 244
101 2 27 266 25 267 1.10E-77 298.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034047 6596 299.7 UdeM00000034047 XP_045201856.1 56.6 242
99 2 29 266 28 267 3.80E-78 299.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034048 6596 232.6 UdeM00000034048 XP_045201856.1 57.6 184
76 1 2 185 86 267 3.90E-58 232.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034050 6596 150.6 UdeM00000034050 XP_045175117.1 36.3 273
146 9 3 259 77 337 3.00E-33 150.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034051 6596 244.2 UdeM00000034051 XP_045201856.1 52.5 217
98 3 12 224 52 267 1.60E-61 244.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034052 6596 253.8 UdeM00000034052 XP_045201856.1 56 207
85 2 9 211 63 267 1.90E-64 253.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034053 2652724 153.7 UdeM00000034053 XP_028512668.1 45.2
166 86 2 29 193 97 258 3.40E-34 153.7 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000034054 6596 101.3 UdeM00000034054 XP_045179845.1 31.9 160
107 2 8 166 1325 1483 1.40E-18 101.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034055 6573 58.2 UdeM00000034055 XP_021364203.1 31.2 109
71 3 7 114 193 298 8.20E-06 58.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034056 6596 213.4 UdeM00000034056 XP_045179019.1 34.5 412
235 11 14 407 23 417 6.50E-52 213.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034058 6596 908.3 UdeM00000034058 XP_045177368.1 55.7 795
336 10 38 821 44 833 7.10E-261 908.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034057 6596 908.3 UdeM00000034057 XP_045177368.1 55.7 795
336 10 59 842 44 833 7.30E-261 908.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034059 37621 102.8 UdeM00000034059 XP_014670052.1 50 102
42 1 2 94 6 107 3.70E-19 102.8 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000034060 210409 102.4 UdeM00000034060 XP_045107160.1 40.7
113 65 1 1 111 171 283 3.80E-19 102.4 210409
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul

ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Brachyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus trituberculatus

UdeM00000034063 6500 504.6 UdeM00000034063 XP_005100247.1 80.4 285
56 0 1 285 53 337 8.40E-140 504.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000034064 6596 298.1 UdeM00000034064 XP_045177776.1 38.9 460
249 11 3 446 481 924 1.90E-77 298.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034065 6238 112.1 UdeM00000034065 XP_002638250.1 31.9 226
127 5 2 202 4 227 9.20E-22 112.1 6238 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Rhabditina;Rhabditomorpha;Rhabditoidea;Rhabditidae;Peloderinae;Caenorhabditis;Caenorhabditis briggsae

UdeM00000034066 45351 84.3 UdeM00000034066 XP_001623471.2 27.6 221
131 5 3 207 6 213 2.00E-13 84.3 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000034067 6596 303.5 UdeM00000034067 XP_045177776.1 42.9 378
202 7 9 378 552 923 5.80E-79 303.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034068 6579 232.6 UdeM00000034068 XP_033729769.1 42.7 288
130 4 48 304 32 315 7.60E-58 232.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034069 6579 146 UdeM00000034069 XP_033747958.1 58.4 101
42 0 1 101 57 157 3.30E-32 146 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034070 6579 159.8 UdeM00000034070 XP_033747958.1 58.2 110
46 0 18 127 48 157 2.70E-36 159.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034073 6526 219.2 UdeM00000034073 XP_013063620.1 34.8 480
226 12 14 416 60 529 1.00E-53 219.2 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000034075 29159 443 UdeM00000034075 XP_019924536.2 43.8 537
282 7 90 624 680 1198 6.70E-121 443 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000034076 6573 530.4 UdeM00000034076 XP_021362500.1 33.9 1097
 525 24 81 997 103 1179 5.40E-147 530.4 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000034077 6526 231.5 UdeM00000034077 XP_013063620.1 34.6 514
 233 14 45 469 30 529 2.20E-57 231.5 6526 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan
 pulmonata; Hygrophila; Lymnaeidae; Planorbidae; Biomphalaria; Biomphalaria
 glabrata
 UdeM00000034079 6573 389.8 UdeM00000034079 XP_021362500.1 38.7 571
 275 9 79 582 652 1214 6.40E-105 389.8 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000034080 7739 194.9 UdeM00000034080 XP_035700323.1 31.2 528
 252 15 85 506 134 656 4.70E-46 194.9 7739 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
 anchiostoma; Branchiostoma floridae
 UdeM00000034081 6596 116.7 UdeM00000034081 XP_045189228.1 53 100
 47 0 77 176 236 335 4.70E-23 116.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000034084 6596 112.1 UdeM00000034084 XP_045202349.1 24.1 370
 252 9 585 929 404 769 4.00E-21 112.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000034085 29159 147.1 UdeM00000034085 XP_034320422.1 65 103
 33 1 86 185 122 224 2.30E-32 147.1 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000034086 6573 124 UdeM00000034086 XP_021355633.1 48.5 130
 66 1 9 137 11 140 2.90E-25 124 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000034088 6596 201.8 UdeM00000034088 XP_045200918.1 23 1071
 737 32 1993 3005 1723 2763 1.20E-47 201.8 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000034091 6573 79 UdeM00000034091 XP_021372170.1 27.1 255
 121 9 518 711 809 1059 2.90E-11 79 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000034092 6573 139 UdeM00000034092 XP_021372109.1 37.1 178
106 1 11 182 57 234 7.70E-30 139 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000034093 6596 276.6 UdeM00000034093 XP_045182756.1 64.2 204
72 1 1 203 1 204 2.60E-71 276.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000034094 6596 189.5 UdeM00000034094 XP_045171694.1 61.1 144
55 1 80 223 223 365 4.60E-45 189.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000034096 6565 197.6 UdeM00000034096 XP_022315923.1 39.4 259
156 1 5 262 149 407 2.10E-47 197.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034097 6596 188.3 UdeM00000034097 XP_045214901.1 31.8 400
262 4 15 410 61 453 3.70E-44 188.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000034098 45351 83.6 UdeM00000034098 XP_001623471.2 35.9 145
75 3 11 139 14 156 3.40E-13 83.6 45351 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Actiniaria; Edwardsiidae; Nematostella; Nematostella vectensis
UdeM00000034099 1735272 206.1 UdeM00000034099 XP_041374260.1 65.8
155 46 2 1 151 244 395 3.20E-50 206.1 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis
UdeM00000034100 6573 449.1 UdeM00000034100 XP_021370830.1 82.3 249
44 0 6 254 7 255 3.80E-123 449.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000034101 6596 191.8 UdeM00000034101 XP_045164125.1 41.8 273
91 2 1 205 320 592 8.50E-46 191.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000034102 6573 278.1 UdeM00000034102 XP_021351807.1 59.8 229
83 1 1 220 242 470 1.00E-71 278.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034103 225164 200.7 UdeM00000034103 XP_009047395.1 44.1
204 113 1 4 207 1 203 1.90E-48 200.7 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000034104 6596 4286.9 UdeM00000034104 XP_045177825.1 64.2
3399 1169 16 36 3421 24 3388 0.00E+00 4286.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034105 6573 1775.8 UdeM00000034105 XP_021351806.1 68.5
1320 399 9 1 1314 1 1309 0.00E+00 1775.8 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034106 6573 1776.9 UdeM00000034106 XP_021351806.1 68.5
1319 400 8 1 1313 1 1309 0.00E+00 1776.9 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034107 6596 686.8 UdeM00000034107 XP_045178323.1 72.7 479
123 3 27 499 27 503 2.10E-194 686.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034108 29159 261.5 UdeM00000034108 XP_034300378.1 44 327
178 2 6 328 5 330 1.40E-66 261.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034109 6596 2400.9 UdeM00000034109 XP_045177982.1 52.7
2889 1145 21 7 2879 7094 9776 0.00E+00 2400.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034110 29159 1822.8 UdeM00000034110 XP_011451330.2 57.8
1548 640 6 173 1717 5545 7081 0.00E+00 1822.8
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034111 6565 795.4 UdeM00000034111 XP_022322952.1 56.8 703
303 1 1 703 4836 5537 5.80E-227 795.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034112 6565 831.6 UdeM00000034112 XP_022322952.1 56.9 728
313 1 6 733 4811 5537 7.60E-238 831.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034113 1735272 3068.9 UdeM00000034113 XP_041374694.1
58.9 2391 960 6 7 2377 2435 4823 0.00E+00 3068.9
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000034114 6565 5623.5 UdeM00000034114 XP_022322952.1 56.5
4768 1934 18 4 4635 54 4815 0.00E+00 5623.5 6565
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034115 6596 1136.7 UdeM00000034115 XP_045177827.1 77.1
737 168 1 41 777 36 771 0.00E+00 1136.7 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034116 6596 73.9 UdeM00000034116 XP_045207416.1 32.1 137
90 1 3 139 1 134 2.40E-10 73.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034117 6596 73.6 UdeM00000034117 XP_045207416.1 32.4 170
104 4 6 175 4 162 3.20E-10 73.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034119 7719 70.5 UdeM00000034119 XP_004227365.1 50.9 57
28 0 37 93 106 162 1.30E-09 70.5 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
intestinalis
UdeM00000034118 7719 70.5 UdeM00000034118 XP_004227365.1 50.9 57
28 0 21 77 106 162 1.10E-09 70.5 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
intestinalis
UdeM00000034120 7054 112.1 UdeM00000034120 XP_031346849.1 45.2 135
74 0 19 153 33 167 7.40E-22 112.1 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000034121 225164 198.4 UdeM00000034121 XP_009057312.1 62.5
 152 57 0 13 164 13 164 7.40E-48 198.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000034122 6579 1022.7 UdeM00000034122 XP_033728096.1 66.4
 742 221 4 1 737 1 719 2.30E-295 1022.7 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034123 6573 726.1 UdeM00000034123 XP_021348393.1 48.9 880
 184 5 21 899 29 643 5.60E-206 726.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034125 6596 252.7 UdeM00000034125 XP_045177475.1 47.2 324
 145 7 2 309 11 324 7.10E-64 252.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034126 6596 263.5 UdeM00000034126 XP_045178904.1 67 188
 62 0 4 191 2 189 2.20E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034127 6596 339 UdeM00000034127 XP_045180077.1 52.9 363
 125 6 26 348 23 379 9.80E-90 339 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034128 6573 251.9 UdeM00000034128 XP_021366101.1 64.2 165
 59 0 1 165 447 611 5.60E-64 251.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034130 6596 252.7 UdeM00000034130 XP_045179257.1 69.9 163
 49 0 1 163 48 210 3.20E-64 252.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034129 6596 286.2 UdeM00000034129 XP_045179257.1 64.9 205
 71 1 10 214 7 210 3.50E-74 286.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034132 6579 63.9 UdeM00000034132 XP_033745803.1 38.6 88
 51 1 17 101 284 371 2.40E-07 63.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034133 29159 129.8 UdeM00000034133 XP_011443561.2 45.5 178
67 4 11 164 10 181 3.20E-27 129.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034134 29159 124.8 UdeM00000034134 XP_011443561.2 45.5 134
49 2 32 141 48 181 8.80E-26 124.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034135 6596 367.9 UdeM00000034135 XP_045201099.1 65.2 250
87 0 25 274 1 250 1.20E-98 367.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034136 6596 96.7 UdeM00000034136 XP_045188256.1 40.9 132
72 3 145 270 245 376 5.10E-17 96.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034137 6579 167.5 UdeM00000034137 XP_033729693.1 66.7 105
35 0 1 105 68 172 3.40E-38 167.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034138 6573 99.4 UdeM00000034138 XP_021365625.1 47.6 105
55 0 27 131 22 126 6.40E-18 99.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034139 37621 150.6 UdeM00000034139 XP_014677462.1 69.6 92
28 0 1 92 1 92 9.90E-34 150.6 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000034141 6579 259.2 UdeM00000034141 XP_033754238.1 57.6 217
91 1 1 217 1 216 4.60E-66 259.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034143 1529436 147.1 UdeM00000034143 XP_033121366.1 45.9
135 73 0 1 135 85 219 1.70E-32 147.1 1529436
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica
UdeM00000034144 29159 228.8 UdeM00000034144 XP_034305523.1 50.5 200
97 2 1 198 737 936 6.60E-57 228.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000034145 37653 88.6 UdeM00000034145 XP_014784938.1 57.1 63
27 0 1 63 300 362 3.70E-15 88.6 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct
opoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000034146 6573 165.6 UdeM00000034146 XP_021373558.1 54.7 161
70 3 114 273 158 316 8.90E-38 165.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000034147 6565 301.2 UdeM00000034147 XP_022314529.1 40 412
162 4 1 327 37 448 1.60E-78 301.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034148 6573 263.8 UdeM00000034148 XP_021342558.1 36 483
255 11 1 442 1 470 3.90E-67 263.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000034149 6565 1171 UdeM00000034149 XP_022320464.1 75 853
201 7 1 848 1 846 0.00E+00 1171 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034150 6565 1163.7 UdeM00000034150 XP_022320464.1 74.5
859 201 8 1 854 1 846 0.00E+00 1163.7 6565
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034151 6596 399.8 UdeM00000034151 XP_045179125.1 47.8 473
213 9 1 462 1 450 4.70E-108 399.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000034152 6579 3677.9 UdeM00000034152 XP_033727987.1 80.2
2242 428 6 1 2237 1 2230 0.00E+00 3677.9 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000034153 6579 884.8 UdeM00000034153 XP_033728365.1 58.9 740
301 1 5 744 39 775 7.60E-254 884.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000034154 6596 301.6 UdeM00000034154 XP_045177776.1 33.2 639
243 12 1 623 405 875 2.30E-78 301.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034155 45351 86.7 UdeM00000034155 XP_001623471.2 31.9 235
 127 7 3 208 6 236 4.00E-14 86.7 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000034156 6596 534.6 UdeM00000034156 XP_045177700.1 76.5 378
 80 4 2 379 3 371 1.10E-148 534.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034157 6596 815.5 UdeM00000034157 XP_045177696.1 54.2 708
 303 4 1 693 7 708 5.30E-233 815.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034158 6573 147.5 UdeM00000034158 XP_021341696.1 54.6 152
 49 5 1 148 483 618 1.30E-32 147.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034159 29159 340.9 UdeM00000034159 XP_034301291.1 37.7 509
 294 11 89 579 97 600 3.20E-90 340.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034160 29159 1046.2 UdeM00000034160 XP_034301291.1 54.8
 1044 427 18 2 1032 618 1629 3.10E-302 1046.2
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034161 6596 193.7 UdeM00000034161 XP_045178320.1 24.8 1265
 685 41 25 1118 849 2018 1.20E-45 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034162 6596 93.6 UdeM00000034162 XP_045178322.1 41.9 117
 62 3 14 126 708 822 4.80E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034164 6526 102.1 UdeM00000034164 XP_013078966.1 26.8 317
 223 5 72 379 56 372 1.70E-18 102.1 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biophalaria;Biophalaria
 glabrata
 UdeM00000040543 6596 191 UdeM00000040543 XP_045180677.1 76.3 118
 24 1 3 116 1090 1207 2.10E-45 191 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040543 6596 162.2 UdeM00000040543 XP_045180677.1 62.3 154
51 3 143 290 2724 2876 1.00E-36 162.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040544 6565 146 UdeM00000040544 XP_022289882.1 88 75
9 0 2 76 2700 2774 2.20E-32 146 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040545 6573 300.1 UdeM00000040545 XP_021377534.1 92.3 156
12 0 1 156 2893 3048 1.70E-78 300.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040546 6565 766.5 UdeM00000040546 XP_022311347.1 59.5 657
248 8 1 656 148 787 2.70E-218 766.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040547 6565 65.5 UdeM00000040547 XP_022316733.1 66.7 39
13 0 1 39 188 226 8.80E-08 65.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040548 6596 96.7 UdeM00000040548 XP_045180822.1 48.5 99
38 2 1 86 1 99 1.80E-17 96.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040551 2607531 193.7 UdeM00000040551 XP_036371126.1 62.3
130 49 0 2 131 453 582 1.50E-46 193.7 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000040552 441366 611.3 UdeM00000040552 XP_028318211.1 56.5
455 197 1 1 454 163 617 1.00E-171 611.3 441366

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000040553 1735272 255.8 UdeM00000040553 XP_041352907.1 48.2
257 119 4 92 337 93 346 7.90E-65 255.8 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000005100 6565 184.5 UdeM00000005100 XP_022313739.1 65.1 146
47 2 81 223 180 324 1.50E-43 184.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000005101 6565 229.9 UdeM00000005101 XP_022317541.1 34.7 714
448 10 9 707 7 717 2.10E-56 229.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000005102 6573 840.9 UdeM00000005102 XP_021343599.1 65.5 663
209 7 1 655 1 651 1.10E-240 840.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000005103 6565 313.9 UdeM00000005103 XP_022314297.1 53.5 271
125 1 1 271 116 385 2.00E-82 313.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000005104 6596 152.9 UdeM00000005104 XP_045158376.1 71.7 99
27 1 14 111 10 108 2.40E-34 152.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005105 6596 704.1 UdeM00000005105 XP_045158955.1 78.2 440
95 1 1 440 1 439 1.10E-199 704.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005106 6596 320.5 UdeM00000005106 XP_045158957.1 50.7 341
158 6 2 338 461 795 2.60E-84 320.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005107 31138 79.3 UdeM00000005107 XP_034615470.1 40.4 114
58 1 26 129 949 1062 4.70E-12 79.3 31138 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Em
ydididae;Trachemys;Trachemys scripta;Trachemys scripta elegans
UdeM00000005108 6573 143.7 UdeM00000005108 XP_021363148.1 43.8 320
153 7 23 332 4 306 4.80E-31 143.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005109 6565 126.3 UdeM00000005109 XP_022318049.1 63.5 115
 33 3 1 115 1 106 2.50E-26 126.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005110 6565 110.2 UdeM00000005110 XP_022318050.1 60.7 107
 33 3 1 107 8 105 1.70E-21 110.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005111 6596 238.4 UdeM00000005111 XP_045160421.1 46.3 283
 151 1 43 324 3 285 1.30E-59 238.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005112 6596 196.4 UdeM00000005112 XP_045160427.1 45.2 434
 210 11 1 425 24 438 7.20E-47 196.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005113 400727 241.1 UdeM00000005113 XP_025109700.1 52.5
 219 101 2 48 265 25 241 2.00E-60 241.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000005114 6596 132.1 UdeM00000005114 XP_045160951.1 66.3 98
 29 2 42 138 979 1073 5.80E-28 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005115 6596 131.7 UdeM00000005115 XP_045160951.1 66.3 98
 29 2 42 138 979 1073 8.10E-28 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005117 6596 79.3 UdeM00000005117 XP_045160951.1 45.8 120
 49 5 81 193 862 972 6.90E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005116 6596 79.3 UdeM00000005116 XP_045160951.1 45.8 120
 49 5 119 231 862 972 8.10E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005118 6596 494.6 UdeM00000005118 XP_045159996.1 56.3 449
 192 2 1 446 19 466 1.30E-136 494.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005119 6596 295 UdeM00000005119 XP_045160951.1 44.4 396
167 10 1 375 401 764 1.40E-76 295 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005120 6579 645.6 UdeM00000005120 XP_033738021.1 75 400
100 0 1 400 1 400 4.30E-182 645.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005121 400727 327.8 UdeM00000005121 XP_025079053.1 55.7
316 136 2 1 315 1 313 1.50E-86 327.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005122 6596 390.6 UdeM00000005122 XP_045159547.1 30.5 2180
1097 72 42 2121 11 1871 1.30E-104 390.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005123 6596 389 UdeM00000005123 XP_045159547.1 30.4 2152
1086 70 1 2059 11 1843 3.70E-104 389 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005124 6596 603.6 UdeM00000005124 XP_045160646.1 69.5 410
124 1 50 459 4 412 2.10E-169 603.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005125 1735272 761.5 UdeM00000005125 XP_041357023.1 46.7
836 404 20 1 808 37 858 1.10E-216 761.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005126 6596 887.9 UdeM00000005126 XP_045159523.1 63.5 657
235 3 19 673 7 660 8.20E-255 887.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005127 7574 121.3 UdeM00000005127 XP_013404165.1 53.2 111
52 0 2 112 666 776 8.20E-25 121.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000005128 7574 121.7 UdeM00000005128 XP_013404165.1 53.2 111
52 0 2 112 666 776 7.20E-25 121.7 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000005129 6596 1010 UdeM00000005129 XP_045159523.1 61.3 776
294 4 9 781 3 775 1.70E-291 1010 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005130 6596 794.7 UdeM00000005130 XP_045160278.1 70.5 563
149 2 140 693 1 555 9.70E-227 794.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005132 400727 927.2 UdeM00000005132 XP_025111001.1 58.2
1017 399 7 86 1096 70 1066 2.00E-266 927.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005133 6579 326.2 UdeM00000005133 XP_033738116.1 60 240
96 0 1 240 7 246 3.40E-86 326.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005134 6565 170.2 UdeM00000005134 XP_022313153.1 52.8 176
69 4 57 228 55 220 3.00E-39 170.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005135 29159 511.5 UdeM00000005135 XP_034313958.1 55.7 521
201 7 3 506 2 509 6.10E-141 511.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005136 6596 1707.2 UdeM00000005136 XP_045160034.1 74.4
1094 276 4 7 1098 19 1110 0.00E+00 1707.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005137 6596 291.6 UdeM00000005137 XP_045159157.1 34.9 519
272 15 10 471 35 544 1.90E-75 291.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005138 6579 278.1 UdeM00000005138 XP_033737835.1 33.6 547
 284 17 26 511 56 584 2.30E-71 278.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005139 6579 305.8 UdeM00000005139 XP_033737835.1 47.8 335
 154 6 124 445 272 598 1.00E-79 305.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005141 29159 91.7 UdeM00000005141 XP_034324494.1 35.9 156
 92 3 1 155 675 823 9.70E-16 91.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005142 6579 307.4 UdeM00000005142 XP_033737835.1 51.1 311
 136 5 36 338 282 584 2.80E-80 307.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005143 6579 307.4 UdeM00000005143 XP_033737835.1 51.1 311
 136 5 23 325 282 584 2.70E-80 307.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005144 6579 305.4 UdeM00000005144 XP_033737835.1 50.8 311
 137 5 36 338 282 584 1.00E-79 305.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005145 50429 268.1 UdeM00000005145 XP_022786616.1 78.7 164
 35 0 32 195 29 192 9.10E-69 268.1 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000005146 6596 68.2 UdeM00000005146 XP_045157989.1 32.7 107
 69 1 1 104 11 117 9.90E-09 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005147 6596 97.8 UdeM00000005147 XP_045157989.1 54.2 96
 42 1 3 96 174 269 1.10E-17 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005148 6596 195.3 UdeM00000005148 XP_045157989.1 41.3 259
 147 3 1 254 11 269 1.10E-46 195.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005149 133434 495.4 UdeM00000005149 XP_022109439.1 74.9
 319 80 0 1 319 207 525 5.70E-137 495.4 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000005150 6596 244.2 UdeM00000005150 XP_045158063.1 32.4 534
 280 12 23 543 23 488 3.90E-61 244.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005152 225164 366.7 UdeM00000005152 XP_009043916.1 90.9
 198 17 1 1 198 1 197 1.90E-98 366.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000005153 6596 699.1 UdeM00000005153 XP_045157372.1 71.7 580
 151 10 1 574 1 573 4.60E-198 699.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005154 6579 923.3 UdeM00000005154 XP_033737731.1 53 895
 329 14 765 1638 629 1452 4.30E-265 923.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005155 6579 945.3 UdeM00000005155 XP_033737731.1 55.8 850
 329 13 765 1593 629 1452 1.00E-271 945.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005156 6596 349 UdeM00000005156 XP_045157375.1 82.5 194
 34 0 1 194 1 194 1.20E-92 349 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005157 400727 111.3 UdeM00000005157 XP_025108844.1 32.8
 436 237 15 2 411 195 600 2.90E-21 111.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000005158 6573 674.9 UdeM00000005158 XP_021363122.1 46.2 1150
 453 26 3 1074 133 1194 1.70E-190 674.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005159 6579 435.6 UdeM00000005159 XP_033737724.1 78.5 251
 53 1 27 277 133 382 4.60E-119 435.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000005160 6596 222.6 UdeM00000005160 XP_045157932.1 72.1 147
41 0 1 147 1 147 4.50E-55 222.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005161 6573 638.6 UdeM00000005161 XP_021363080.1 43.7 935
380 23 1 889 2 836 1.10E-179 638.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000005162 6565 173.7 UdeM00000005162 XP_022319806.1 34.8 290
177 4 22 308 1 281 3.90E-40 173.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000005163 6565 303.9 UdeM00000005163 XP_022314461.1 53.7 246
112 2 62 306 64 308 2.30E-79 303.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000005164 29159 193.4 UdeM00000005164 XP_034317111.1 52.2 186
87 1 2 185 171 356 2.70E-46 193.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000005165 6596 899.4 UdeM00000005165 XP_045157954.1 63.3 660
209 9 12 649 10 658 2.60E-258 899.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005166 6596 269.6 UdeM00000005166 XP_045184088.1 34.6 471
284 4 3 454 12 477 7.50E-69 269.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005167 6596 267.7 UdeM00000005167 XP_045184088.1 36.7 428
270 1 26 452 48 475 2.70E-68 267.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005168 6596 276.2 UdeM00000005168 XP_045184088.1 37.4 439
266 3 26 459 48 482 8.00E-71 276.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005169 6573 288.1 UdeM00000005169 XP_021360416.1 36.4 431
268 4 27 453 50 478 1.90E-74 288.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005170 6596 712.6 UdeM00000005170 XP_045160623.1 65.2 537
174 4 19 547 66 597 3.80E-202 712.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005171 6596 85.5 UdeM00000005171 XP_045159333.1 26.5 306
179 12 158 436 54 340 2.00E-13 85.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005173 6596 228.4 UdeM00000005173 XP_045159063.1 38.3 347
206 5 3 344 177 520 1.40E-56 228.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005174 6596 109.4 UdeM00000005174 XP_045159063.1 48 98
48 1 27 121 35 132 3.40E-21 109.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005175 1735272 307.8 UdeM00000005175 XP_041358755.1 56.5
269 110 2 1 269 1 262 1.40E-80 307.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005176 1735272 663.3 UdeM00000005176 XP_041358489.1 52.2
712 315 9 102 792 78 785 3.90E-187 663.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005177 29159 104.4 UdeM00000005177 XP_011419361.2 39.7 131
66 3 4 125 3 129 1.80E-19 104.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005178 1735272 504.6 UdeM00000005178 XP_041358411.1 81.7
290 53 0 1 290 1 290 8.50E-140 504.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005179 6596 1382.1 UdeM00000005179 XP_045160228.1 78.2
870 190 0 1 870 295 1164 0.00E+00 1382.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005180 6596 316.2 UdeM00000005180 XP_045160217.1 71.2 208
60 0 1 208 1 208 3.00E-83 316.2 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005182 29159 280.8 UdeM00000005182 XP_019918003.1 70.6 187
55 0 1 187 1 187 1.30E-72 280.8 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000005181 6596 317.4 UdeM00000005181 XP_045160214.1 71.3 209
60 0 1 209 1 209 1.40E-83 317.4 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005183 6579 224.2 UdeM00000005183 XP_033737551.1 44.3 323
166 5 883 1195 1381 1699 9.10E-55 224.2 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000005185 29159 232.3 UdeM00000005185 XP_019926412.2 52.4 231
103 3 155 383 2 227 1.10E-57 232.3 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000005184 1735272 140.2 UdeM00000005184 XP_041349280.1 38.3
235 126 6 53 277 51 276 5.10E-30 140.2 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000005186 6579 188 UdeM00000005186 XP_033761495.1 62.6 139
52 0 8 146 24 162 9.00E-45 188 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000005187 80966 184.5 UdeM00000005187 XP_022077561.1 55.8 156
69 0 1 156 116 271 1.00E-43 184.5 80966 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorpha; Euacanthomorpha; Percomorphaceae; Ovalentaria; Ovalentaria incertae sedis; Pomacentridae; Acanthochromis; Acanthochromis polyacanthus

UdeM00000005188 6573 71.6 UdeM00000005188 XP_021377276.1 35.5 121
69 2 25 136 98 218 1.10E-09 71.6 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000005189 6596 622.1 UdeM00000005189 XP_045160227.1 52.5 628
 283 2 1 628 1 613 7.80E-175 622.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005190 6573 812 UdeM00000005190 XP_021370693.1 71.7 555
 147 4 220 766 217 769 6.70E-232 812 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005191 260615 176.8 UdeM00000005191 XP_039398742.1 74.5
 137 11 1 1 113 246 382 1.70E-41 176.8 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
 oemydidae;Geoemydinae;Mauremys;Mauremys reevesii
 UdeM00000005192 6573 657.1 UdeM00000005192 XP_021370781.1 74.5 423
 107 1 1 423 1 422 1.50E-185 657.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005193 6579 1382.9 UdeM00000005193 XP_033738813.1 71.9
 980 264 5 1 978 895 1865 0.00E+00 1382.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005194 218467 105.9 UdeM00000005194 XP_023212519.1 53.3
 105 48 1 1 105 1 104 4.70E-20 105.9 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000005195 6573 829.7 UdeM00000005195 XP_021370716.1 59.5 923
 305 13 1 913 4 867 3.60E-237 829.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005196 6579 876.3 UdeM00000005196 XP_033738818.1 76.3 540
 125 1 2 538 1 540 2.50E-251 876.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005197 6579 876.3 UdeM00000005197 XP_033738818.1 76.3 540
 125 1 1 537 1 540 2.50E-251 876.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005198 6579 557.8 UdeM00000005198 XP_033738819.1 50.8 506
 242 3 10 515 40 538 1.50E-155 557.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000005199 37653 501.5 UdeM00000005199 XP_014784610.1 60.3 408
148 4 1 395 1 407 9.80E-139 501.5 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000005200 6596 523.5 UdeM00000005200 XP_045160651.1 56 464
196 3 37 498 24 481 3.10E-145 523.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005201 6526 332.4 UdeM00000005201 XP_013078356.1 52.6 369
98 5 1 363 1 298 7.10E-88 332.4 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000005202 6526 359.4 UdeM00000005202 XP_013078356.1 63 308
98 4 1 302 1 298 4.50E-96 359.4 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000005203 1735272 215.3 UdeM00000005203 XP_041359327.1 57.8
185 74 2 5 189 3 183 6.70E-53 215.3 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000005204 6579 192.6 UdeM00000005204 XP_033730245.1 40.8 233
134 4 24 254 22 252 6.20E-46 192.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000005205 6596 148.3 UdeM00000005205 XP_045171942.1 39.6 192
113 3 18 208 16 205 1.10E-32 148.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005206 6596 201.8 UdeM00000005206 XP_045173451.1 41.2 255
140 6 6 255 8 257 1.00E-48 201.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005207 6565 130.2 UdeM00000005207 XP_022318637.1 54.9 102
44 1 7 106 3 104 1.60E-27 130.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000005208 6579 211.5 UdeM00000005208 XP_033730245.1 42.5 233
 130 4 24 254 22 252 1.30E-51 211.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005209 6579 204.9 UdeM00000005209 XP_033730245.1 42.9 231
 126 5 27 254 25 252 1.20E-49 204.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005210 6565 766.9 UdeM00000005210 XP_022318582.1 61.5 702
 260 6 1 694 1 700 2.20E-218 766.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005211 6565 773.1 UdeM00000005211 XP_022318582.1 61.5 709
 261 7 1 701 1 705 3.10E-220 773.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005213 6565 87.8 UdeM00000005213 XP_022313560.1 54.4 79
 35 1 193 271 95 172 2.30E-14 87.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005214 6596 134 UdeM00000005214 XP_045157588.1 58.4 113
 45 2 79 189 84 196 1.90E-28 134 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005215 6596 589 UdeM00000005215 XP_045157590.1 44.4 730
 371 11 1 704 6 726 8.20E-165 589 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005217 6573 120.6 UdeM00000005217 XP_021350883.1 68.3 82
 23 2 1 80 23 103 1.10E-24 120.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005218 400727 137.1 UdeM00000005218 XP_025109747.1 66.4
 107 31 1 1 107 138 239 1.60E-29 137.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000005219 6526 321.6 UdeM00000005219 XP_013089196.1 62.6 396
 125 6 32 415 34 418 1.40E-84 321.6 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biophalaria;Biophalaria
 glabrata

UdeM00000005221 6596 117.1 UdeM00000005221 XP_045159813.1 59.1 93
 38 0 7 99 145 237 1.30E-23 117.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005223 6596 121.3 UdeM00000005223 XP_045159813.1 50 110
 55 0 4 113 364 473 9.60E-25 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005224 6596 438.7 UdeM00000005224 XP_045159814.1 52.7 419
 194 4 48 464 60 476 9.10E-120 438.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005225 6596 464.5 UdeM00000005225 XP_045159814.1 50.1 483
 232 6 1 481 1 476 1.60E-127 464.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005226 6596 463.8 UdeM00000005226 XP_045159814.1 50.3 483
 231 6 1 481 1 476 2.70E-127 463.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005227 6573 179.1 UdeM00000005227 XP_021363161.1 38.1 270
 154 4 11 271 6 271 7.70E-42 179.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005228 6596 533.9 UdeM00000005228 XP_045160558.1 56.7 432
 173 5 1 431 1 419 1.90E-148 533.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005229 1735272 145.6 UdeM00000005229 XP_041358954.1 55
 131 58 1 1 131 4 133 4.90E-32 145.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005230 6565 167.5 UdeM00000005230 XP_022308193.1 43.4 205
 60 3 1 151 352 554 1.30E-38 167.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005232 64793 59.7 UdeM00000005232 XP_011690608.1 34.3 102
 60 1 40 141 1963 2057 3.50E-06 59.7 64793 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Blepharidattini;Wasmannia;Wasmannia auro-punctata

UdeM00000005233 6573 242.7 UdeM00000005233 XP_021362424.1 48.7 273
128 7 9 276 2 267 5.80E-61 242.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005234 6596 239.6 UdeM00000005234 XP_045159970.1 52.8 252
117 2 2 252 169 419 4.50E-60 239.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005235 6573 394 UdeM00000005235 XP_021373425.1 52.3 478
198 10 1 459 1 467 2.60E-106 394 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005236 400727 369.4 UdeM00000005236 XP_025109371.1 52
446 177 10 1 412 1 443 6.10E-99 369.4 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005237 400727 370.2 UdeM00000005237 XP_025109371.1 48.8
496 177 11 1 472 1 443 4.10E-99 370.2 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005238 6596 1560.8 UdeM00000005238 XP_045157497.1 56.7
1347 500 12 1 1282 167 1495 0.00E+00 1560.8 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005244 6565 479.6 UdeM00000005244 XP_022313144.1 51.2 480
227 6 3 479 302 777 4.90E-132 479.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005245 37621 149.8 UdeM00000005245 XP_014673981.1 43.9 198
71 5 9 169 24 218 3.40E-33 149.8 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000005246 37621 210.7 UdeM00000005246 XP_014672567.1 51.7 174
84 0 10 183 345 518 2.00E-51 210.7 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000005247 6596 483.8 UdeM00000005247 XP_045157493.1 76.9 286
66 0 1 286 1 286 1.50E-133 483.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005248 6579 981.9 UdeM00000005248 XP_033737646.1 47.8 1037
516 6 20 1048 20 1039 6.50E-283 981.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000005249 225164 352.1 UdeM00000005249 XP_009056741.1 55.2
335 131 2 13 336 60 386 8.50E-94 352.1 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000005250 6579 494.6 UdeM00000005250 XP_033737646.1 54.2 463
202 3 15 468 20 481 1.40E-136 494.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000005251 6573 342.8 UdeM00000005251 XP_021359218.1 54.5 297
134 1 1 297 469 764 4.60E-91 342.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000005252 6565 126.3 UdeM00000005252 XP_022314272.1 47.5 141
70 3 1 140 1 138 4.10E-26 126.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000005254 6565 125.6 UdeM00000005254 XP_022314272.1 53.7 108
50 0 1 108 1 108 5.00E-26 125.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000005253 6573 122.1 UdeM00000005253 XP_021359218.1 51.9 108
52 0 1 108 352 459 5.10E-25 122.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000005255 6596 447.2 UdeM00000005255 XP_045158333.1 42.4 540
302 4 1 537 517 1050 2.90E-122 447.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005256 6579 590.5 UdeM00000005256 XP_033737643.1 73.1 372
100 0 5 376 4 375 1.50E-165 590.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000005257 6573 424.5 UdeM00000005257 XP_021372819.1 55.7 352
149 4 196 541 56 406 2.10E-115 424.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000005258 6596 336.7 UdeM00000005258 XP_045157461.1 63 257
88 2 15 269 4 255 3.30E-89 336.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000005259 6565 185.3 UdeM00000005259 XP_022318671.1 45.6 180
98 0 18 197 10 189 8.30E-44 185.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005260 151771 255.4 UdeM00000005260 XP_028408207.1 49.4
235 117 2 2 236 280 512 8.20E-65 255.4 151771
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Octocorallia; Alcyonacea; Alcyoniina; Nephtheidae; Dendronephthya; Dendronephthya gigantea
UdeM00000005262 6565 62.4 UdeM00000005262 XP_022290403.1 53 66
23 2 1 66 73 130 3.60E-07 62.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005263 6596 516.5 UdeM00000005263 XP_045157890.1 73.9 348
85 4 1 345 1 345 2.50E-143 516.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000005264 29159 380.9 UdeM00000005264 XP_011428029.1 76.5 234
55 0 1 234 115 348 1.10E-102 380.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005266 6565 233.4 UdeM00000005266 XP_022314854.1 26.7 746
458 32 23 729 28 723 1.50E-57 233.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005267 6565 218.4 UdeM00000005267 XP_022314854.1 28.4 630
383 25 46 650 8 594 2.70E-53 218.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005268 6565 219.9 UdeM00000005268 XP_022314854.1 28.7 627
384 24 46 649 8 594 9.30E-54 219.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005271 6579 218.8 UdeM00000005271 XP_033738178.1 26 731
441 29 2 699 9 672 3.20E-53 218.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000005272 6565 237.3 UdeM00000005272 XP_022314854.1 28.5 720
434 29 34 721 28 698 9.60E-59 237.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005273 6596 495 UdeM00000005273 XP_045159893.1 61.8 382
141 3 8 384 9 390 9.20E-137 495 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005274 6596 272.3 UdeM00000005274 XP_045156993.1 48.3 360
163 6 1 344 2 354 9.50E-70 272.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005276 114398 428.7 UdeM00000005276 XP_042903861.1 39.1
609 360 6 1 605 1 602 1.20E-116 428.7 114398
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Araneae; Araneomo
rphae; Entelegynae; Orbiculariae; Araneoidea; Theridiidae; Parasteatoda; Parast
eatoda tepidariorum
UdeM00000005277 400727 198.7 UdeM00000005277 XP_025110918.1 65.1
146 50 1 1 145 28 173 4.90E-48 198.7 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000005278 29159 532.3 UdeM00000005278 XP_019926413.2 53.5 559
142 4 4 445 52 609 6.30E-148 532.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005279 6596 1529.6 UdeM00000005279 XP_045158550.1 36.8
3458 1558 62 6 2928 6 3371 0.00E+00 1529.6 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005281 6565 82.4 UdeM00000005281 XP_022335959.1 41.9 93
46 3 15 104 681 768 3.70E-13 82.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000005282 6596 186.4 UdeM00000005282 XP_045158553.1 38.5 291
 142 8 49 302 80 370 5.70E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005283 6596 227.6 UdeM00000005283 XP_045157040.1 48.7 238
 108 4 5 229 118 354 1.60E-56 227.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005284 6596 228.4 UdeM00000005284 XP_045157040.1 48.5 239
 113 4 5 235 118 354 9.70E-57 228.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005285 6596 310.1 UdeM00000005285 XP_045158553.1 57.9 252
 104 1 26 275 110 361 6.70E-81 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005286 6596 317.8 UdeM00000005286 XP_045157040.1 47.1 331
 159 4 17 332 25 354 1.70E-83 317.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005287 6596 298.9 UdeM00000005287 XP_045158432.1 49.4 328
 152 5 24 339 26 351 8.40E-78 298.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005288 6596 317 UdeM00000005288 XP_045157040.1 47.7 331
 157 4 23 338 25 354 2.90E-83 317 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005289 29159 288.5 UdeM00000005289 XP_019926217.2 46.1 343
 150 7 324 650 25 348 2.20E-74 288.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005290 6596 304.3 UdeM00000005290 XP_045157040.1 47.3 332
 159 5 2 318 22 352 1.90E-79 304.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005291 6596 96.7 UdeM00000005291 XP_045157040.1 59 83
 33 1 85 167 119 200 3.00E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005292 29159 61.2 UdeM00000005292 XP_034315424.1 36.4 107
 61 3 12 115 213 315 1.00E-06 61.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005293 6565 144.8 UdeM00000005293 XP_022306954.1 51.7 116
 56 0 1 116 833 948 6.90E-32 144.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005294 29159 84.7 UdeM00000005294 XP_034319609.1 57.4 61
 26 0 86 146 894 954 1.10E-13 84.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005295 29159 103.6 UdeM00000005295 XP_034318948.1 40.2 132
 77 1 1 130 686 817 1.90E-19 103.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005297 29159 194.9 UdeM00000005297 XP_034315421.1 51.9 206
 93 3 194 395 271 474 1.90E-46 194.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005298 6596 306.2 UdeM00000005298 XP_045157040.1 47.8 339
 160 5 5 328 18 354 5.00E-80 306.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005300 6596 316.6 UdeM00000005300 XP_045158432.1 50.5 333
 146 6 23 339 22 351 4.40E-83 316.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005301 6596 285 UdeM00000005301 XP_045158432.1 50.7 304
 135 5 36 327 51 351 1.20E-73 285 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005302 6565 516.2 UdeM00000005302 XP_022320668.1 59.5 405
 164 0 23 427 310 714 1.60E-142 516.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005304 6596 118.2 UdeM00000005304 XP_045157040.1 42.6 122
 61 2 12 125 234 354 7.80E-24 118.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005305 6596 93.2 UdeM00000005305 XP_045216961.1 26.6 379
 237 14 395 751 417 776 2.60E-15 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005307 6596 317.4 UdeM00000005307 XP_045157040.1 45.8 354
 173 5 3 338 2 354 2.20E-83 317.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005308 6596 291.2 UdeM00000005308 XP_045158432.1 49.2 329
 149 7 32 345 26 351 1.80E-75 291.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005309 6596 226.9 UdeM00000005309 XP_045157040.1 48.7 232
 105 3 2 220 122 352 2.70E-56 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005310 6596 170.2 UdeM00000005310 XP_045157040.1 54.7 159
 66 2 27 180 119 276 2.40E-39 170.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005311 6596 307 UdeM00000005311 XP_045158553.1 57.5 252
 105 1 8 257 110 361 5.50E-80 307 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005312 1735272 72.8 UdeM00000005312 XP_041347149.1 50.6
 87 36 3 1 82 257 341 3.30E-10 72.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005313 37621 181.8 UdeM00000005313 XP_014676995.1 58.2 141
 56 2 1 141 1 138 6.10E-43 181.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus

UdeM00000005314 29159 181.8 UdeM00000005314 XP_019926217.2 42.5 247
 93 5 21 221 11 254 1.20E-42 181.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005315 6596 316.6 UdeM00000005315 XP_045157040.1 49.1 330
 152 4 26 340 26 354 3.80E-83 316.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005316 6596 95.5 UdeM00000005316 XP_045158553.1 48.8 121
 60 1 22 142 94 212 6.10E-17 95.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005318 6579 148.7 UdeM00000005318 XP_033738723.1 59.4 128
 48 2 4 128 106 232 6.30E-33 148.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005319 6579 147.5 UdeM00000005319 XP_033738723.1 61.5 122
 43 2 4 122 106 226 1.20E-32 147.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005321 6596 95.1 UdeM00000005321 XP_045216961.1 26.1 379
 239 14 395 751 417 776 6.70E-16 95.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005322 1735272 97.1 UdeM00000005322 XP_041359644.1 26.6
 350 224 14 12 357 354 674 5.10E-17 97.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005323 6596 260 UdeM00000005323 XP_045158432.1 51 261
 117 4 17 269 92 349 3.40E-66 260 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005324 6596 99.8 UdeM00000005324 XP_045216883.1 26.9 375
 247 12 370 729 10 372 2.70E-17 99.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005325 10224 210.7 UdeM00000005325 XP_002736880.1 51.3 195
 93 1 14 206 36 230 2.20E-51 210.7 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii

UdeM00000005327 6579 148.7 UdeM00000005327 XP_033738723.1 59.4 128
48 2 4 128 106 232 6.30E-33 148.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005329 6596 94.7 UdeM00000005329 XP_045216961.1 26.1 379
239 14 395 751 417 776 8.80E-16 94.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005331 6596 253.1 UdeM00000005331 XP_045157040.1 49.8 255
109 4 1 247 111 354 3.80E-64 253.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005332 6596 198.4 UdeM00000005332 XP_045157040.1 44.5 245
81 3 1 191 111 354 8.70E-48 198.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005334 6596 82.4 UdeM00000005334 XP_045185328.1 23.2 457
296 16 254 686 9 434 4.20E-12 82.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005335 6596 82.4 UdeM00000005335 XP_045185328.1 23.2 457
296 16 249 681 9 434 4.20E-12 82.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005337 6596 251.5 UdeM00000005337 XP_045158432.1 42.9 347
127 5 23 315 22 351 1.40E-63 251.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005339 6596 91.3 UdeM00000005339 XP_045185328.1 23.2 457
296 16 289 721 9 434 9.40E-15 91.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005340 1735272 116.3 UdeM00000005340 XP_041356266.1 49.5
91 46 0 33 123 473 563 2.70E-23 116.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000005341 6596 91.3 UdeM00000005341 XP_045160186.1 28.2 202
130 3 132 330 62 251 2.50E-15 91.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005342 6596 117.5 UdeM00000005342 XP_045160186.1 26.9 249
163 3 92 339 21 251 3.40E-23 117.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005343 29159 153.3 UdeM00000005343 XP_034299474.1 53.4 148
66 2 1 145 329 476 2.60E-34 153.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000005346 6565 90.1 UdeM00000005346 XP_022322655.1 40.9 110
62 2 1 107 639 748 1.80E-15 90.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000005347 6596 95.1 UdeM00000005347 XP_045160186.1 27.1 210
130 3 85 291 62 251 1.50E-16 95.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005348 37653 149.1 UdeM00000005348 XP_014773381.1 37.2 215
105 5 96 309 58 243 9.70E-33 149.1 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000005349 6579 100.1 UdeM00000005349 XP_033736975.1 28.6 175
118 4 46 216 69 240 3.70E-18 100.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000005351 7574 97.1 UdeM00000005351 XP_013396873.1 29.4 177
120 3 42 216 61 234 3.10E-17 97.1 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000005352 29053 118.2 UdeM00000005352 XP_023246665.1 51.8 110
53 0 9 118 216 325 6.90E-24 118.2 29053 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Parasitoida; Chalcidoidea; Encyrtidae; Encyrtinae; Copidosoma; Copidosoma floridanum

UdeM00000005353 6596 419.5 UdeM00000005353 XP_045159559.1 52.2 379
174 6 31 409 22 393 5.00E-114 419.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005354 6596 565.5 UdeM00000005354 XP_045159560.1 53.8 545
227 4 1 524 1 541 7.20E-158 565.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005355 6573 197.2 UdeM00000005355 XP_021341342.1 98.9 93
1 0 1 93 1 93 1.40E-47 197.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005356 6596 341.3 UdeM00000005356 XP_045160898.1 74.5 204
51 1 6 208 162 365 9.20E-91 341.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005357 6596 320.5 UdeM00000005357 XP_045160898.1 53.6 293
131 3 14 303 365 655 2.50E-84 320.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005359 161584 95.9 UdeM00000005359 XP_037104184.1 51
100 49 0 2 101 215 314 4.00E-17 95.9 161584
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Syngnathiaria;Syngnathiformes;Syngnathoidei;Syngnathidae;Syngnathinae;Syngnathus;Syngnathus acus

UdeM00000005360 77115 63.5 UdeM00000005360 XP_038157148.1 38.1 84
50 1 7 90 2 83 1.90E-07 63.5 77115 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinodontini;Cyprinodon;Cyprinodon tularosa

UdeM00000005361 6565 308.1 UdeM00000005361 XP_022317798.1 85.7 161
23 0 1 161 1 161 6.40E-81 308.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005362 6596 405.2 UdeM00000005362 XP_045159561.1 63.5 293
100 3 4 294 13 300 7.50E-110 405.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005363 6573 455.3 UdeM00000005363 XP_021374817.1 39.7 695
344 15 17 656 9 683 1.30E-124 455.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005365 6596 274.2 UdeM00000005365 XP_045160931.1 50.5 277
135 1 1 277 201 475 1.80E-70 274.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005364 6596 391.3 UdeM00000005364 XP_045160931.1 45 471
245 4 14 480 15 475 1.70E-105 391.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005366 6565 124.8 UdeM00000005366 XP_022315755.1 50.7 136
60 2 67 201 65 194 1.30E-25 124.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005367 6596 1052.4 UdeM00000005367 XP_045158822.1 92.7
549 40 0 1 549 1 549 2.00E-304 1052.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005369 1735272 409.5 UdeM00000005369 XP_041358009.1 64
292 105 0 4 295 17 308 3.70E-111 409.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005370 6573 170.2 UdeM00000005370 XP_021377013.1 67.9 131
41 1 1 131 1 130 1.90E-39 170.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005371 1735272 112.8 UdeM00000005371 XP_041366822.1 44.4
133 74 0 10 142 2 134 1.10E-21 112.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005372 6596 957.2 UdeM00000005372 XP_045160538.1 65.2 784
195 11 1 773 1 717 1.30E-275 957.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005373 6596 253.8 UdeM00000005373 XP_045172766.1 41.7 319
 179 4 67 384 138 450 3.50E-64 253.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005374 6573 157.1 UdeM00000005374 XP_021377015.1 62 100
 38 0 2 101 1455 1554 1.30E-35 157.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005375 6573 2129 UdeM00000005375 XP_021377015.1 64.1 1559
 549 8 1 1553 1 1554 0.00E+00 2129 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005378 1735272 68.2 UdeM00000005378 XP_041364761.1 42.1
 76 44 0 37 112 70 145 8.30E-09 68.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005379 1735272 82 UdeM00000005379 XP_041364761.1 45
 80 44 0 37 116 70 149 5.50E-13 82 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005380 6596 291.6 UdeM00000005380 XP_045159679.1 44.9 312
 161 3 35 346 35 335 1.40E-75 291.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005381 742174 216.1 UdeM00000005381 XP_025199557.1 34.8
 342 201 6 1 320 12 353 6.60E-53 216.1 742174
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Aphidini;Melanaphis;Melanaphis
 sacchari

UdeM00000005382 29159 773.9 UdeM00000005382 XP_011436709.1 69 603
 166 8 1 592 1 593 1.50E-220 773.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005383 29159 785.8 UdeM00000005383 XP_011436709.1 69.9 601
 161 9 1 589 1 593 3.80E-224 785.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005384 7741 295.8 UdeM00000005384 XP_019645671.1 46.2 344
 162 4 187 526 96 420 1.10E-76 295.8 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri

UdeM00000005385 6579 289.7 UdeM00000005385 XP_033737045.1 39.6 419
206 8 122 502 12 421 7.60E-75 289.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005386 6596 221.9 UdeM00000005386 XP_045157090.1 48.6 218
110 1 4 219 2 219 8.40E-55 221.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005387 6596 216.5 UdeM00000005387 XP_045157090.1 49.8 205
101 1 4 206 15 219 3.30E-53 216.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005388 6596 330.1 UdeM00000005388 XP_045159695.1 59.6 260
104 1 1 259 1 260 2.60E-87 330.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005389 6596 91.3 UdeM00000005389 XP_045159473.1 30.7 163
81 3 396 556 273 405 4.50E-15 91.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005391 6573 198 UdeM00000005391 XP_021372817.1 31.8 478
273 18 145 593 249 702 4.60E-47 198 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005392 6596 124.4 UdeM00000005392 XP_045160870.1 65.8 76
26 0 140 215 356 431 1.80E-25 124.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005394 6596 176.4 UdeM00000005394 XP_045159473.1 24.7 510
247 16 192 639 42 476 1.50E-40 176.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005395 6596 124.4 UdeM00000005395 XP_045160870.1 43 151
45 3 105 219 286 431 1.80E-25 124.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005396 6565 171.8 UdeM00000005396 XP_022311830.1 32 306
 159 10 331 633 58 317 3.70E-39 171.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005397 6596 127.5 UdeM00000005397 XP_045160870.1 67.1 76
 25 0 140 215 356 431 2.10E-26 127.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005399 6596 182.2 UdeM00000005399 XP_045159473.1 28.5 365
 201 11 329 638 117 476 2.80E-42 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005400 6596 182.2 UdeM00000005400 XP_045159473.1 28.5 365
 201 11 329 638 117 476 2.80E-42 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005403 6596 153.3 UdeM00000005403 XP_045159473.1 35 254
 140 10 2 232 103 354 3.80E-34 153.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005405 6565 180.6 UdeM00000005405 XP_022311830.1 35 286
 150 10 359 633 57 317 8.00E-42 180.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005406 6565 180.6 UdeM00000005406 XP_022311830.1 35 286
 150 10 320 594 57 317 7.70E-42 180.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005407 6596 492.7 UdeM00000005407 XP_045169782.1 50.7 477
 205 2 1 448 56 531 5.30E-136 492.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005409 6573 206.1 UdeM00000005409 XP_021353855.1 43 416
 202 12 6 403 6 404 8.60E-50 206.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005410 6596 429.9 UdeM00000005410 XP_045158303.1 54.8 526
 194 15 1 508 1 500 4.60E-117 429.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005411 6565 94.7 UdeM00000005411 XP_022308193.1 42.1 126
69 2 10 133 6 129 1.00E-16 94.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005412 6565 134.8 UdeM00000005412 XP_022308193.1 53.1 113
52 1 1 113 445 556 7.00E-29 134.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005413 6565 162.5 UdeM00000005413 XP_022299727.1 48 173
89 1 1 173 106 277 5.40E-37 162.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005414 6596 555.1 UdeM00000005414 XP_045158296.1 58.9 443
176 3 1 442 1 438 8.30E-155 555.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005415 30033 127.1 UdeM00000005415 XP_041631336.1 59.8 97
37 1 3 99 20 114 1.30E-26 127.1 30033 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Ephydroidea;Drosophilidae;Drosophilinae;Drosophilini;Drosophila;Sophophora;melanogaster group;montium subgroup;Drosophila kikkawai

UdeM00000005416 6579 100.1 UdeM00000005416 XP_033737997.1 26 647
366 27 1 585 14 609 1.20E-17 100.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005417 6573 75.5 UdeM00000005417 XP_021342304.1 29 231
129 6 60 264 8 229 1.40E-10 75.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005418 6579 635.2 UdeM00000005418 XP_033738335.1 55.6 572
249 2 6 576 4 571 8.30E-179 635.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005419 6596 616.7 UdeM00000005419 XP_045160765.1 49.9 851
399 3 1 827 1 848 5.20E-173 616.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005420 1735272 290.8 UdeM00000005420 XP_041356784.1 49.8
 321 161 0 11 331 1057 1377 6.90E-75 290.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005421 46514 185.3 UdeM00000005421 XP_038075667.1 39.4 274
 140 5 1 258 301 564 1.00E-43 185.3 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000005422 441366 203.4 UdeM00000005422 XP_028296753.1 41.3
 305 162 9 6 308 32 321 4.30E-49 203.4 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidi;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000005424 29159 142.5 UdeM00000005424 XP_034314103.1 50.6 176
 73 5 10 181 2186 2351 1.00E-30 142.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005425 6565 713.8 UdeM00000005425 XP_022314135.1 87.2 422
 54 0 1 422 1 422 1.30E-202 713.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005426 6596 235.3 UdeM00000005426 XP_045158518.1 29.5 675
 362 16 1 670 1 566 2.30E-58 235.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005427 6596 155.6 UdeM00000005427 XP_045158523.1 54.9 142
 57 3 11 149 442 579 4.90E-35 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005428 6596 396 UdeM00000005428 XP_045158523.1 62 337
 113 8 3 332 251 579 4.80E-107 396 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005429 2607531 72.8 UdeM00000005429 XP_029640194.1 57.9
 57 20 1 28 80 221 277 2.30E-10 72.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000005431 6579 184.5 UdeM00000005431 XP_033737234.1 58.2 196
69 8 1 187 57 248 1.20E-43 184.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005430 6596 234.6 UdeM00000005430 XP_045158523.1 57.4 223
86 5 1 219 1 218 1.20E-58 234.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005432 6596 138.7 UdeM00000005432 XP_045158522.1 34.5 594
337 16 23 582 6 581 2.40E-29 138.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005433 6596 359.4 UdeM00000005433 XP_045176367.1 44.6 361
196 4 139 498 335 692 7.80E-96 359.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005434 6579 309.7 UdeM00000005434 XP_033737835.1 46.3 376
169 9 48 410 235 590 6.00E-81 309.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005435 6565 83.2 UdeM00000005435 XP_022314056.1 29.4 211
111 10 12 188 8 214 4.00E-13 83.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005436 6596 508.4 UdeM00000005436 XP_045159515.1 63.7 383
139 0 33 415 274 656 8.40E-141 508.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005437 6596 275.4 UdeM00000005437 XP_045159519.1 40.3 392
223 5 4 393 32 414 1.10E-70 275.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005438 6596 157.5 UdeM00000005438 XP_045159515.1 50.6 178
83 3 9 185 102 275 1.70E-35 157.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005439 6596 83.6 UdeM00000005439 XP_045201747.1 27.2 228
 130 6 14 235 11 208 3.80E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005440 6596 88.6 UdeM00000005440 XP_045198326.1 27.8 227
 121 6 6 224 159 350 1.20E-14 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005441 6579 608.6 UdeM00000005441 XP_033737507.1 64.1 501
 162 4 1 487 1 497 8.20E-17 608.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005442 6579 379 UdeM00000005442 XP_033729593.1 50.6 391
 191 1 81 469 852 1242 8.60E-10 379 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005443 6579 384.8 UdeM00000005443 XP_033729593.1 50.9 391
 190 1 81 469 852 1242 1.60E-10 384.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005444 6579 419.5 UdeM00000005444 XP_033729593.1 51.8 425
 203 1 47 469 818 1242 5.70E-11 419.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005445 29159 78.2 UdeM00000005445 XP_034316161.1 37.4 91
 57 0 56 146 644 734 9.80E-12 78.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005446 6596 461.5 UdeM00000005446 XP_045160038.1 60.9 373
 140 3 1 368 1 372 1.00E-12 461.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005447 6412 110.2 UdeM00000005447 XP_009012269.1 37.9 161
 93 2 62 216 2 161 4.20E-21 110.2 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000005448 6596 270.8 UdeM00000005448 XP_045160546.1 44.6 287
 154 2 1 282 1 287 2.00E-69 270.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005449 225164 278.5 UdeM00000005449 XP_009044134.1 48.2
 284 146 1 29 312 18 300 1.10E-71 278.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000005450 29159 153.3 UdeM00000005450 XP_011414040.3 66.4 128
 40 2 73 198 98 224 3.80E-34 153.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005451 6596 320.1 UdeM00000005451 XP_045160399.1 57.7 239
 99 2 43 281 14 250 2.80E-84 320.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005452 6565 578.2 UdeM00000005452 XP_022306197.1 47.9 698
 311 13 9 684 16 682 1.40E-161 578.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005453 6565 174.1 UdeM00000005453 XP_022316207.1 41.4 526
 253 16 1 524 1 473 4.70E-40 174.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005454 6596 374 UdeM00000005454 XP_045160273.1 37.3 526
 244 5 5 447 21 543 3.00E-100 374 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000040756 6573 93.2 UdeM000000040756 XP_021365625.1 51.7 89
 43 0 17 105 40 128 2.70E-16 93.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM000000040757 29159 97.4 UdeM000000040757 XP_034307807.1 32.7 199
 123 6 65 261 21 210 2.90E-17 97.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM000000040758 6596 294.3 UdeM000000040758 XP_045177776.1 36.8 508
 270 9 1 461 405 908 2.80E-76 294.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000040759 29159 117.5 UdeM000000040759 XP_034307341.1 34 197
 115 3 8 190 57 252 2.80E-23 117.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040762 6565 90.5 UdeM00000040762 XP_022318775.1 46.4 110
 55 3 1 107 1 109 1.70E-15 90.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040763 37621 250 UdeM00000040763 XP_014673981.1 48.9 278
 124 8 53 314 37 312 4.10E-63 250 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000040764 6596 93.2 UdeM00000040764 XP_045179120.1 57.3 75
 31 1 1 75 1 74 1.60E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040765 50429 158.7 UdeM00000040765 XP_022801251.1 39.3 224
 123 7 2 217 798 1016 9.10E-36 158.7 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000040767 7574 138.3 UdeM00000040767 XP_013390464.1 36.9 225
 123 7 2 215 770 986 1.20E-29 138.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040766 7574 137.9 UdeM00000040766 XP_013390464.1 36.9 225
 123 7 2 215 770 986 1.60E-29 137.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040768 7574 134 UdeM00000040768 XP_013390464.1 35.2 219
 132 5 2 212 770 986 2.30E-28 134 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040770 6596 159.5 UdeM00000040770 XP_045189228.1 33.3 336
 178 7 1 334 50 341 1.40E-35 159.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040771 6573 114.4 UdeM00000040771 XP_021354477.1 43.2 132
 75 0 85 216 1988 2119 1.80E-22 114.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040772 6596 226.9 UdeM00000040772 XP_045164107.1 52.9 221
 100 2 2 221 2620 2837 2.60E-56 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040773 6596 172.6 UdeM00000040773 XP_045164107.1 48.9 180
 84 1 44 223 2239 2410 5.90E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040774 6596 359.8 UdeM00000040774 XP_045177776.1 39.4 528
 313 6 1 523 405 930 8.90E-96 359.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040775 6579 508.8 UdeM00000040775 XP_033761495.1 78.9 294
 62 0 53 346 66 359 8.60E-141 508.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040776 7574 132.1 UdeM00000040776 XP_013389395.1 37.1 224
 107 7 2 198 749 965 8.30E-28 132.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040777 7574 146 UdeM00000040777 XP_013390464.1 37.3 225
 122 7 2 215 770 986 6.00E-32 146 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040778 7574 134.4 UdeM00000040778 XP_013389395.1 35.3 221
 129 6 2 212 749 965 1.80E-28 134.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040779 7574 139.8 UdeM00000040779 XP_013389395.1 36.1 219
 130 5 2 212 749 965 4.30E-30 139.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040780 37653 201.8 UdeM00000040780 XP_014767494.1 81.5 119
 22 0 34 152 939 1057 6.10E-49 201.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000040781 37621 184.5 UdeM00000040781 XP_014679849.1 38.7 230
 55 2 2 145 394 623 9.70E-44 184.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000040782 37621 144.8 UdeM00000040782 XP_014679849.1 40.4 213
 51 2 1 137 17 229 8.50E-32 144.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000040783 6596 309.3 UdeM00000040783 XP_045189084.1 32.3 626
 317 12 1 616 1350 1878 1.40E-80 309.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040784 6579 92.8 UdeM00000040784 XP_033729770.1 41.4 133
51 4 1 117 1 122 3.20E-16 92.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040785 6579 197.2 UdeM00000040785 XP_033764274.1 40.3 233
138 1 2 234 238 469 2.40E-47 197.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040786 6579 165.6 UdeM00000040786 XP_033747958.1 55.3 132
59 0 15 146 28 159 4.70E-38 165.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040787 6596 94.4 UdeM00000040787 XP_045164107.1 47.9 94
49 0 1 94 1241 1334 8.70E-17 94.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040790 6596 385.6 UdeM00000040790 XP_045177776.1 38.7 550
307 12 1 541 405 933 1.50E-103 385.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040791 6596 888.6 UdeM00000040791 XP_045164107.1 54.5 846
324 6 26 865 2180 2970 6.20E-255 888.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040792 1735272 459.1 UdeM00000040792 XP_041360663.1 35.3
914 475 24 115 969 848 1704 1.40E-125 459.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040793 6596 70.1 UdeM00000040793 XP_045206414.1 30.9 97
67 0 44 140 109 205 4.60E-09 70.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040794 6596 161.8 UdeM00000040794 XP_045156273.1 34.9 352
188 10 1 347 569 884 2.30E-36 161.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000040795 6596 153.7 UdeM00000040795 XP_045177776.1 39.8 201
 101 2 1 201 695 875 2.70E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040796 6565 95.5 UdeM00000040796 XP_022308598.1 37.7 162
 92 5 170 331 15 167 1.40E-16 95.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040797 6565 95.5 UdeM00000040797 XP_022308598.1 37.7 162
 92 5 23 184 15 167 8.40E-17 95.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040798 7739 723 UdeM00000040798 XP_035696678.1 56.9 613
 261 1 7 616 299 911 3.30E-205 723 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000040799 6565 229.9 UdeM00000040799 XP_022327931.1 36.8 359
 208 7 38 387 26 374 5.40E-57 229.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040800 29159 109.8 UdeM00000040800 XP_034305547.1 32.4 204
 127 6 25 226 21 215 4.90E-21 109.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040801 6596 179.1 UdeM00000040801 XP_045164107.1 32.1 439
 104 4 22 268 1811 2247 1.30E-41 179.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040801 6596 124.8 UdeM00000040801 XP_045164107.1 55.6 108
 48 0 308 415 2730 2837 2.90E-25 124.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044273 6579 430.3 UdeM00000044273 XP_033761812.1 40.7 575
 319 12 123 686 151 714 4.80E-117 430.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044274 7574 79 UdeM00000044274 XP_013401006.1 60.6 66
 26 0 19 84 422 487 4.60E-12 79 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000044275 6579 306.6 UdeM00000044275 XP_033757668.1 42.2 405
222 8 1 397 310 710 4.70E-80 306.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000044190 29159 117.5 UdeM00000044190 XP_034329650.1 45.6 103
56 0 1 103 276 378 1.00E-23 117.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000044191 6573 258.1 UdeM00000044191 XP_021352044.1 68 172
55 0 1 172 98 269 9.10E-66 258.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034378 6579 137.1 UdeM00000034378 XP_033736448.1 35.8 218
129 5 5 213 10 225 2.60E-29 137.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034379 29159 338.2 UdeM00000034379 XP_034305965.1 44.2 416
204 12 6 412 6 402 1.50E-89 338.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034381 6596 88.2 UdeM00000034381 XP_045175388.1 34.1 132
72 3 5 121 257 388 8.30E-15 88.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034384 6565 515 UdeM00000034384 XP_022322118.1 37.8 1293
475 22 17 1273 16 1015 2.90E-142 515 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034385 46514 63.9 UdeM00000034385 XP_038062328.1 29.6 152
105 1 1 150 225 376 2.00E-07 63.9 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000034387 6596 919.5 UdeM00000034387 XP_045207427.1 66.3 664
221 2 56 716 8 671 2.70E-264 919.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034388 6596 183 UdeM00000034388 XP_045209523.1 72.8 114
31 0 18 131 11 124 2.60E-43 183 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034390 1735272 63.5 UdeM00000034390 XP_041350990.1 46.8
62 33 0 125 186 461 522 3.20E-07 63.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000034391 6105 120.6 UdeM00000034391 XP_031551974.1 49.6 129
64 1 1 129 525 652 1.70E-24 120.6 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000034394 50390 221.5 UdeM00000034394 XP_028150043.1 41.5 275
153 3 1 268 26 299 1.40E-54 221.5 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000034395 6596 172.6 UdeM00000034395 XP_045160979.1 45.9 209
109 2 6 212 8 214 5.80E-40 172.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034396 6105 193.7 UdeM00000034396 XP_031571719.1 26 792
490 22 234 969 40 791 1.30E-45 193.7 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000034400 6579 1328.2 UdeM00000034400 XP_033750824.1 55.3
1208 490 13 1 1196 302 1471 0.00E+00 1328.2 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034402 1437191 172.9 UdeM00000034402 XP_029054816.1 29.5
403 160 6 3 282 61 462 5.70E-40 172.9 1437191
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia bicornis;Osmia bicornis bicornis

UdeM00000034404 6596 915.2 UdeM00000034404 XP_045210363.1 54.6 852
378 4 206 1053 118 964 7.50E-263 915.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034406 6596 278.1 UdeM00000034406 XP_045183805.1 59 205
83 1 1 204 45 249 9.00E-72 278.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034405 6596 279.6 UdeM00000034405 XP_045183805.1 58.7 206
 84 1 20 224 44 249 3.40E-72 279.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034407 6596 309.3 UdeM00000034407 XP_045183805.1 65.6 209
 71 1 1 208 41 249 3.70E-81 309.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034408 6596 415.2 UdeM00000034408 XP_045184513.1 44.5 1013
 503 14 17 988 19 1013 2.50E-112 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034409 6596 187.2 UdeM00000034409 XP_045183513.1 36.3 582
 338 7 544 1105 416 984 1.40E-43 187.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034410 6596 295.4 UdeM00000034410 XP_045173349.1 27.7 860
 481 23 142 878 69 910 2.80E-76 295.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034411 225164 325.5 UdeM00000034411 XP_009057189.1 42.8
 397 223 2 60 456 9 401 1.10E-85 325.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000034412 6596 503.8 UdeM00000034412 XP_045207654.1 51.7 536
 234 9 263 784 156 680 3.90E-139 503.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034413 6596 172.2 UdeM00000034413 XP_045207747.1 34.8 287
 177 5 1 278 1 286 9.60E-40 172.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034414 6596 298.9 UdeM00000034414 XP_045209765.1 26 850
 463 20 533 1342 251 974 3.30E-77 298.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034415 6596 172.9 UdeM00000034415 XP_045209769.1 23.8 583
 394 12 45 587 449 1021 1.20E-39 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034416 6596 131 UdeM00000034416 XP_045209768.1 23.3 520
 357 11 122 609 449 958 5.70E-27 131 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034417 6596 414.1 UdeM00000034417 XP_045209768.1 28.8 1060
 606 26 223 1249 33 976 7.00E-112 414.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034419 6596 171 UdeM00000034419 XP_045209765.1 24 578
 393 10 149 687 560 1130 5.20E-39 171 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034420 6596 155.6 UdeM00000034420 XP_045209769.1 25.7 460
 310 10 64 501 474 923 2.10E-34 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034422 6596 162.2 UdeM00000034422 XP_045209760.1 52.6 133
 63 0 1027 1159 533 665 4.70E-36 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034423 6596 94.4 UdeM00000034423 XP_045210122.1 38.8 134
 72 5 129 258 57 184 2.40E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034424 6956 63.5 UdeM00000034424 XP_027204985.1 28.8 125
 73 4 35 145 131 253 2.80E-07 63.5 6956 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Acariforme
 s;Sarcoptiformes;Astigmata;Psoroptidia;Analgoidea;Pyroglyphidae;Dermatoph
 agoidinae;Dermatophagoides;Dermatophagoides pteronyssinus
 UdeM00000034425 6565 5670.5 UdeM00000034425 XP_022322144.1 41.4
 7220 3597 92 2 6821 215 7198 0.00E+00 5670.5 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034426 6596 220.3 UdeM00000034426 XP_045208827.1 52.4 210
95 2 9 218 9 213 2.50E-54 220.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034429 6596 96.3 UdeM00000034429 XP_045180326.1 40.3 144
80 2 20 162 32 170 5.10E-17 96.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034430 6596 96.3 UdeM00000034430 XP_045180326.1 40.3 144
80 2 20 162 32 170 4.50E-17 96.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034431 32264 141.7 UdeM00000034431 XP_015790859.1 41.1 192
49 1 5 132 119 310 6.60E-31 141.7 32264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Acariforme
s;Trombidiformes;Prostigmata;Eleutherengona;Raphignathae;Tetranychoidae;T
etranychidae;Tetranychus;Tetranychus urticae
UdeM00000034432 88015 65.5 UdeM00000034432 XP_023337768.1 45.5 66
31 1 27 92 277 337 4.20E-08 65.5 88015 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Gymnoplea;Calanoida;Temorida
e;Eurytemora;Eurytemora affinis
UdeM00000034433 29159 384.8 UdeM00000034433 XP_034331235.1 55.6 342
132 6 25 349 22 360 1.20E-103 384.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034434 225164 334.7 UdeM00000034434 XP_009063479.1 50.8
321 137 6 2 321 77 377 1.30E-88 334.7 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
Lottiidae;Lottia;Lottia gigantea
UdeM00000034436 6596 509.6 UdeM00000034436 XP_045207945.1 53.5 548
226 8 17 547 64 599 5.10E-141 509.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034437 6596 442.2 UdeM00000034437 XP_045209937.1 59.5 373
143 6 14 379 15 386 6.70E-121 442.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034438 6596 724.9 UdeM00000034438 XP_045209936.1 74.8 511
121 4 2 507 5 512 6.90E-206 724.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034439 6596 1246.1 UdeM00000034439 XP_045208750.1 36.4
2970 1319 81 39 2784 100 2723 0.00E+00 1246.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034440 6596 244.2 UdeM00000034440 XP_045209546.1 83.9 137
22 0 1 137 430 566 9.70E-62 244.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034441 6596 490.7 UdeM00000034441 XP_045209546.1 71.3 369
99 3 48 415 77 439 1.80E-135 490.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034442 441366 277.3 UdeM00000034442 XP_028318799.1 60.3
199 79 0 2 200 271 469 1.50E-71 277.3 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000034443 441366 149.1 UdeM00000034443 XP_028298353.1 61.9
105 40 0 1 105 558 662 3.40E-33 149.1 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000034444 50429 78.2 UdeM00000034444 XP_022790680.1 48.6 72
36 1 3 74 40 110 1.20E-11 78.2 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000034445 7654 73.9 UdeM00000034445 XP_041463467.1 41.6 101
55 3 42 139 162 261 2.00E-10 73.9 7654 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus

UdeM00000034446 6596 308.9 UdeM00000034446 XP_045215232.1 47.6 347
176 4 61 405 111 453 1.00E-80 308.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034447 6596 307.4 UdeM00000034447 XP_045215232.1 47.8 345
174 4 61 403 111 451 2.70E-80 307.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034448 441366 550.4 UdeM00000034448 XP_028318216.1 59.7
402 162 0 8 409 154 555 1.90E-153 550.4 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
willdenowi

UdeM00000034450 6596 308.9 UdeM00000034450 XP_045215232.1 47.6 347
176 4 61 405 111 453 1.00E-80 308.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034449 6596 307.4 UdeM00000034449 XP_045215232.1 47.8 345
174 4 61 403 111 451 2.70E-80 307.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034451 441366 548.9 UdeM00000034451 XP_028318216.1 59.5
402 163 0 8 409 154 555 5.50E-153 548.9 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
willdenowi

UdeM00000034453 6596 308.9 UdeM00000034453 XP_045215232.1 47.6 347
176 4 61 405 111 453 1.00E-80 308.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034452 6596 307.4 UdeM00000034452 XP_045215232.1 47.8 345
 174 4 61 403 111 451 2.70E-80 307.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
 a mercenaria

UdeM00000034454 50390 393.7 UdeM00000034454 XP_028142380.1 52.3 300
 143 0 2 301 49 348 2.20E-106 393.7 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse-
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu-
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D-
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000034455 50429 77.4 UdeM00000034455 XP_022790680.1 47.2 72
 37 1 3 74 40 110 2.10E-11 77.4 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa-
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata

UdeM00000034456 7741 186.4 UdeM00000034456 XP_019626645.1 44.9 236
 69 3 1 178 96 328 3.20E-44 186.4 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br-
 anchiostoma;Branchiostoma belcheri

UdeM00000034457 52239 147.5 UdeM00000034457 XP_033947251.1 58.1 105
 44 0 2 106 124 228 9.70E-33 147.5 52239 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo-
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen-
 ioidei;Channichthyidae;Pseudochaenichthys;Pseudochaenichthys georgianus

UdeM00000034458 400682 73.6 UdeM00000034458 XP_019861952.1 38.2
 89 53 2 3 90 336 423 1.90E-10 73.6 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle-
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000034461 7739 129 UdeM00000034461 XP_035659254.1 39.3 168
 96 2 1 162 765 932 6.40E-27 129 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br-
 anchiostoma;Branchiostoma floridae

UdeM00000034462 7574 73.2 UdeM00000034462 XP_013400898.1 38.9 90
 53 1 100 189 212 299 4.10E-10 73.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin-
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000034463 441366 226.9 UdeM00000034463 XP_028318792.1 63.5
 159 56 1 2 160 612 768 1.90E-56 226.9 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo-

rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000034465 6565 91.3 UdeM00000034465 XP_022307899.1 35.1 168
87 5 17 183 11 157 1.60E-15 91.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034464 6565 91.3 UdeM00000034464 XP_022307899.1 35.1 168
87 5 133 299 11 157 2.50E-15 91.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034466 6596 345.1 UdeM00000034466 XP_045177776.1 38.4 524
261 8 9 514 398 877 1.50E-91 345.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034467 50390 330.9 UdeM00000034467 XP_028152422.1 54.9 255
114 1 2 256 188 441 1.50E-87 330.9 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera

UdeM00000034468 6565 419.9 UdeM00000034468 XP_022309566.1 54.8 301
136 0 2 302 717 1017 2.80E-114 419.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034469 50390 552 UdeM00000034469 XP_028154228.1 51.8 452
217 1 4 454 158 609 7.20E-154 552 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera

UdeM00000034470 29159 309.3 UdeM00000034470 XP_011419884.2 71.4 203
58 0 1 203 1 203 3.70E-81 309.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034472 6573 160.6 UdeM00000034472 XP_021358714.1 58.3 139
54 2 1 139 1 135 1.90E-36 160.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034473 29159 69.7 UdeM00000034473 XP_011435817.2 56.1 57
25 0 7 63 146 202 5.90E-09 69.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034474 6596 786.2 UdeM00000034474 XP_045183696.1 78.6 509
 104 3 1 507 2738 3243 2.50E-224 786.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034475 6596 564.7 UdeM00000034475 XP_045183696.1 68.3 398
 123 3 14 410 2327 2722 9.90E-158 564.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034476 6596 1375.5 UdeM00000034476 XP_045183696.1 53
 1396 585 20 13 1391 945 2286 0.00E+00 1375.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034477 6596 875.9 UdeM00000034477 XP_045183696.1 68.4 712
 207 6 39 736 65 772 6.00E-251 875.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034478 6565 89.7 UdeM00000034478 XP_022327962.1 47.3 93
 47 1 3 93 626 718 2.10E-15 89.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034479 6565 231.9 UdeM00000034479 XP_022327962.1 52.4 227
 106 2 73 297 361 587 1.10E-57 231.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034480 160734 96.7 UdeM00000034480 XP_042370962.1 50
 78 38 1 429 505 177 254 9.20E-17 96.7 160734
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Serranoi
 dei;Serranidae;Epinephelinae;Epinephelini;Plectropomus;Plectropomus
 leopardus
 UdeM00000034481 7054 101.3 UdeM00000034481 XP_031332239.1 42.2 102
 59 0 597 698 464 565 5.20E-18 101.3 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000034482 45351 110.5 UdeM00000034482 XP_032232593.1 53.6 84
 39 0 493 576 441 524 7.80E-21 110.5 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000034483 37653 122.5 UdeM00000034483 XP_014769226.1 40.6 143
 77 3 648 785 333 472 2.40E-24 122.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000034484 6596 317 UdeM00000034484 XP_045216733.1 50.3 288
 141 2 47 334 227 512 2.90E-83 317 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034485 6596 275 UdeM00000034485 XP_045216732.1 50 272
 126 4 24 295 201 462 1.10E-70 275 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034486 6596 274.6 UdeM00000034486 XP_045216732.1 49.8 271
 126 4 24 294 201 461 1.80E-70 274.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034487 29159 177.6 UdeM00000034487 XP_034314481.1 48.9 184
 93 1 173 356 224 406 3.00E-41 177.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034489 29159 352.8 UdeM00000034489 XP_034318412.1 52.6 344
 161 2 39 381 11 353 5.50E-94 352.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034490 6596 244.6 UdeM00000034490 XP_045206286.1 47.9 238
 85 1 1 199 663 900 1.20E-61 244.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034493 29159 154.8 UdeM00000034493 XP_034327176.1 33.8 328
 135 11 52 369 407 662 2.30E-34 154.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034492 6596 472.2 UdeM00000034492 XP_045204155.1 38.6 721
 353 13 43 741 592 1244 1.20E-129 472.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034494 29159 235 UdeM00000034494 XP_034327176.1 36.8 402
 170 13 22 407 407 740 1.90E-58 235 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034495 6596 317 UdeM00000034495 XP_045206286.1 58.2 244
 101 1 1 244 663 905 2.30E-83 317 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034496 6596 316.6 UdeM00000034496 XP_045206286.1 59.4 239
 96 1 1 239 663 900 3.00E-83 316.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034497 6565 216.5 UdeM00000034497 XP_022324984.1 47.6 212
 107 3 5 214 65 274 3.80E-53 216.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044433 224308 105.9 UdeM00000044433 NP_390979.1 32.5 191
 118 4 4 184 27 216 1.10E-19 105.9 224308
 cellular organisms;Bacteria;Terrabacteria
 group;Firmicutes;Bacilli;Bacillales;Bacillaceae;Bacillus;Bacillus
 subtilis group;Bacillus subtilis;Bacillus subtilis subsp.
 subtilis;Bacillus subtilis subsp. subtilis str. 168
 UdeM00000043808 6565 102.1 UdeM00000043808 XP_022325431.1 28.1 217
 132 8 17 227 1134 1332 1.70E-18 102.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043809 6579 116.7 UdeM00000043809 XP_033744257.1 41.4 140
 82 0 1 140 154 293 2.60E-23 116.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043812 6565 85.5 UdeM00000043812 XP_022288855.1 39.5 119
 62 5 12 129 979 1088 1.20E-13 85.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044443 7574 352.4 UdeM00000044443 XP_013399327.1 92.7 193
 14 0 1 193 2 194 3.60E-94 352.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000038944 6596 285.8 UdeM00000038944 XP_045213047.1 29.3 607
 392 20 11 593 1168 1761 3.00E-73 285.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038945 400727 391.7 UdeM00000038945 XP_025103830.1 43.4
 431 233 4 41 464 23 449 1.30E-105 391.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038946 400727 387.1 UdeM00000038946 XP_025103830.1 43
 449 245 4 1 442 1 445 3.00E-104 387.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038947 400727 387.9 UdeM00000038947 XP_025103830.1 45.3
 428 220 7 41 458 23 446 1.80E-104 387.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038948 400727 391 UdeM00000038948 XP_025103830.1 45.3
 428 221 6 41 459 23 446 2.20E-105 391 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038949 6596 1001.1 UdeM00000038949 XP_045187389.1 73.4
 627 155 5 1 621 1 621 6.10E-289 1001.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000038950 400727 75.9 UdeM00000038950 XP_025104291.1 40
 75 45 0 30 104 2 76 3.90E-11 75.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038951 225164 501.5 UdeM00000038951 XP_009055041.1 62.1
 396 143 4 1 391 1 394 9.60E-139 501.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;
 Lottia;Lottia gigantea
 UdeM00000038952 6573 848.2 UdeM00000038952 XP_021378004.1 41.3 2427
 1163 35 5 2329 28 2295 2.50E-242 848.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038954 6596 699.5 UdeM00000038954 XP_045164128.1 67.3 514
 90 4 1 509 1 441 3.10E-198 699.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038955 6596 245 UdeM00000038955 XP_045168446.1 62 192
 54 3 26 215 18 192 9.40E-62 245 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038956 6596 309.7 UdeM00000038956 XP_045168360.1 32.1 676
 366 15 1 660 1 599 9.50E-81 309.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038957 6596 503.4 UdeM00000038957 XP_045168379.1 45.2 639
 258 11 5 568 599 1220 3.70E-139 503.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038958 6579 387.5 UdeM00000038958 XP_033734740.1 51.5 412
 182 7 1 400 11 416 2.10E-104 387.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038960 6596 424.1 UdeM00000038960 XP_045214148.1 59.8 343
 134 3 4 345 565 904 1.70E-115 424.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038961 6596 326.6 UdeM00000038961 XP_045214148.1 42.6 350
 177 3 8 335 145 492 3.80E-86 326.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038962 6596 71.2 UdeM00000038962 XP_045214148.1 38.7 106
 51 4 24 117 40 143 1.30E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038963 1735272 156.4 UdeM00000038963 XP_041354039.1 55.4
 148 59 2 2 144 3 148 2.80E-35 156.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038964 6573 235.7 UdeM00000038964 XP_021349576.1 45.3 413
 178 10 5 388 1 394 9.80E-59 235.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038965 6573 236.9 UdeM00000038965 XP_021349576.1 45.8 413
 175 11 5 387 1 394 4.40E-59 236.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038966 1735272 91.7 UdeM00000038966 XP_041354510.1 38.5
104 64 0 7 110 11 114 8.00E-16 91.7 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038967 6596 487.6 UdeM00000038967 XP_045168176.1 64.4 376
128 2 1 372 1 374 1.50E-134 487.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038969 6596 140.2 UdeM00000038969 XP_045165354.1 54.5 123
55 1 2 124 3 124 1.80E-30 140.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038970 6596 548.1 UdeM00000038970 XP_045165354.1 51.7 551
257 5 1 547 127 672 1.20E-152 548.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038971 6596 1025.8 UdeM00000038971 XP_045165343.1 56.1
906 380 9 1 899 148 1042 3.40E-296 1025.8 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038972 6596 103.2 UdeM00000038972 XP_045165343.1 72.7 66
18 0 1 66 1 66 2.90E-19 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038973 6596 300.8 UdeM00000038973 XP_045187985.1 42.8 339
193 1 41 379 3 340 2.40E-78 300.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038974 6596 132.1 UdeM00000038974 XP_045187703.1 24.1 506
256 13 13 506 57 446 2.20E-27 132.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038976 6596 614.4 UdeM00000038976 XP_045188035.1 60.3 532
196 6 18 539 19 545 1.50E-172 614.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038977 451745 105.9 UdeM00000038977 XP_037531102.1 31.5
181 118 3 73 253 212 386 7.80E-20 105.9 451745
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Cypriodontiformes;Aplocheiloidei;Rivulidae;Nematolebias;Nematolebias whitei

UdeM00000038978 6596 672.9 UdeM00000038978 XP_045172382.1 64.2 565
175 9 3 561 33 576 3.60E-190 672.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038979 6596 700.7 UdeM00000038979 XP_045172382.1 65.2 586
173 8 20 599 19 579 1.70E-198 700.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038980 6596 694.5 UdeM00000038980 XP_045172382.1 64.3 594
180 10 68 655 19 586 1.30E-196 694.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038981 6596 682.6 UdeM00000038981 XP_045172400.1 65.7 566
184 7 77 637 39 599 5.00E-193 682.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038982 6596 515.8 UdeM00000038982 XP_045172365.1 67 352
116 0 1 352 64 415 4.40E-143 515.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038983 6596 547.4 UdeM00000038983 XP_045172365.1 67.7 371
120 0 5 375 45 415 1.50E-152 547.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038984 6596 280 UdeM00000038984 XP_045162613.1 59.7 216
85 1 1 214 1 216 2.60E-72 280 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038985 7741 292.4 UdeM00000038985 XP_019647976.1 63.8 210
76 0 6 215 358 567 4.90E-76 292.4 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000038986 6579 113.2 UdeM00000038986 XP_033733871.1 70.7 75
22 0 1 75 1 75 1.40E-22 113.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038987 1735272 991.1 UdeM00000038987 XP_041353357.1 62.1
766 285 4 1 765 7 768 7.80E-286 991.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038988 6596 322.8 UdeM00000038988 XP_045174735.1 41.5 414
219 8 15 427 28 419 6.70E-85 322.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038989 48498 993 UdeM00000038989 XP_020618976.1 46.1 942
492 5 215 1154 1327 2254 3.30E-286 993 48498 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata

UdeM00000038991 29159 472.2 UdeM00000038991 XP_034336072.1 52.4 389
182 2 334 719 1447 1835 1.20E-129 472.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038991 29159 155.6 UdeM00000038991 XP_034336072.1 27.6 655
396 21 31 645 221 837 2.50E-34 155.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038992 6596 1689.9 UdeM00000038992 XP_045164211.1 59.7
1283 503 9 1 1273 1 1279 0.00E+00 1689.9 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038993 6573 110.9 UdeM00000038993 XP_021340561.1 44.4 135
66 4 1 127 34 167 3.10E-21 110.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038994 225164 274.6 UdeM00000038994 XP_009063678.1 79
162 34 0 43 204 1 162 1.00E-70 274.6 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000038995 6596 1165.2 UdeM00000038995 XP_045178583.1 67.9
920 269 9 1 902 188 1099 0.00E+00 1165.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038997 6526 68.2 UdeM00000038997 XP_013094521.1 39.1 128
77 1 1 127 169 296 1.60E-08 68.2 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000038998 6596 317.4 UdeM00000038998 XP_045176506.1 58 264
103 4 1 257 125 387 1.70E-83 317.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038999 6526 178.7 UdeM00000038999 XP_013079253.1 57.7 142
60 0 1 142 1 142 5.20E-42 178.7 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000039000 6565 133.3 UdeM00000039000 XP_022329085.1 68.2 110
32 1 27 136 8 114 2.40E-28 133.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039001 29159 575.9 UdeM00000039001 XP_034325001.1 63.5 414
148 2 22 433 18 430 4.40E-161 575.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039002 29159 550.8 UdeM00000039002 XP_034325001.1 63.5 394
141 2 1 392 38 430 1.40E-153 550.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039003 29159 253.4 UdeM00000039003 XP_011426298.2 62.5 200
67 3 1 193 1 199 2.60E-64 253.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039004 6596 1399 UdeM00000039004 XP_045187193.1 71.1 1000
274 6 1 986 1 999 0.00E+00 1399 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039005 6565 304.7 UdeM00000039005 XP_022333584.1 53.9 282
 118 4 9 287 385 657 1.30E-79 304.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039006 6565 132.9 UdeM00000039006 XP_022333584.1 51.2 127
 62 0 14 140 262 388 3.20E-28 132.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039007 6565 132.9 UdeM00000039007 XP_022333584.1 51.2 127
 62 0 17 143 262 388 3.30E-28 132.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039008 6565 151.8 UdeM00000039008 XP_022310266.1 33.4 353
 192 10 1 337 1 326 1.60E-33 151.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039009 6565 151.8 UdeM00000039009 XP_022310266.1 33.4 353
 192 10 1 337 1 326 1.60E-33 151.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039010 6565 151.8 UdeM00000039010 XP_022310266.1 33.4 353
 192 10 1 337 1 326 1.60E-33 151.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039011 6565 151.8 UdeM00000039011 XP_022310266.1 33.4 353
 192 10 1 337 1 326 1.60E-33 151.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039012 6579 132.9 UdeM00000039012 XP_033736434.1 72.8 81
 22 0 36 116 197 277 2.70E-28 132.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039013 6579 179.9 UdeM00000039013 XP_033734181.1 57.3 157
 57 2 34 190 19 165 3.40E-42 179.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039014 13164 70.1 UdeM00000039014 XP_022164283.1 35.1 94
 61 0 1 94 1 94 2.10E-09 70.1 13164 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Myzus;Myzus
 persicae
 UdeM00000039015 6596 278.1 UdeM00000039015 XP_045213934.1 50.3 300
 133 3 5 300 4 291 1.30E-71 278.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039017 146911 57.4 UdeM00000039017 XP_015270826.1 38.6
83 47 2 1 79 1 83 9.80E-06 57.4 146911
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Gekkota;Gekkonidae;Gekkoninae;Gekko;Gekko japonicus

UdeM00000039020 29144 365.2 UdeM00000039020 XP_030650271.1 59.4 325
130 2 7 331 6 328 1.40E-97 365.2 29144 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Anotopterygii;Gonorynchiformes;Chanoidei;Chanidae;Chanos;Chanos chanos

UdeM00000039021 6596 648.7 UdeM00000039021 XP_045162993.1 56.6 722
258 15 73 771 95 784 9.60E-183 648.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039022 6596 639 UdeM00000039022 XP_045162993.1 56.2 726
261 15 73 777 95 784 7.70E-180 639 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039023 6579 426.8 UdeM00000039023 XP_033733718.1 43.6 582
282 13 1 553 22 586 4.30E-116 426.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039025 6596 287 UdeM00000039025 XP_045184098.1 43.8 322
170 5 84 405 48 358 3.90E-74 287 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039026 6596 167.2 UdeM00000039026 XP_045169960.1 24.5 633
424 21 13 629 16 610 6.90E-38 167.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039027 9515 146.7 UdeM00000039027 XP_032127860.1 63.5 115
40 2 39 153 24 136 2.50E-32 146.7 9515 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria

;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Platyrrhini;Cebidae;Cebinae;Sapajus;Sapajus apella
UdeM00000039028 9515 146.7 UdeM00000039028 XP_032127860.1 63.5 115
40 2 27 141 24 136 2.30E-32 146.7 9515 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Platyrrhini;Cebidae;Cebinae;Sapajus;Sapajus apella
UdeM00000039030 6573 205.7 UdeM00000039030 XP_021370611.1 71.1 152
44 0 1 152 1 152 4.20E-50 205.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000039029 6596 300.4 UdeM00000039029 XP_045164917.1 56.6 362
142 4 6 360 11 364 3.00E-78 300.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000039031 6579 326.2 UdeM00000039031 XP_033734833.1 47.7 478
221 12 1 462 1 465 8.70E-86 326.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000039032 6579 330.9 UdeM00000039032 XP_033734833.1 47.7 478
222 11 1 463 1 465 3.50E-87 330.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000039033 6596 707.6 UdeM00000039033 XP_045164872.1 81.8 495
88 1 1 495 1 493 1.20E-200 707.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000039034 6573 292.4 UdeM00000039034 XP_021370558.1 70 180
54 0 25 204 533 712 4.70E-76 292.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000039035 400727 492.7 UdeM00000039035 XP_025104969.1 66.8
346 68 2 1 342 390 692 3.90E-136 492.7 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000039036 6579 163.3 UdeM00000039036 XP_033734829.1 74.1 112
29 0 74 185 276 387 3.40E-37 163.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000039037 6596 365.9 UdeM00000039037 XP_045164833.1 65.4 257
84 3 1 252 1 257 4.30E-98 365.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039038 6579 669.5 UdeM00000039038 XP_033734828.1 68.5 461
139 3 1 457 1 459 3.10E-189 669.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039039 6596 666 UdeM00000039039 XP_045164800.1 59.4 498
201 1 36 533 42 538 4.00E-188 666 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039040 6596 666 UdeM00000039040 XP_045164800.1 59.4 498
201 1 27 524 42 538 3.90E-188 666 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039041 29159 323.2 UdeM00000039041 XP_034326737.1 56.8 324
124 6 10 328 7 319 4.20E-85 323.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039042 6565 203 UdeM00000039042 XP_022334649.1 38.7 315
180 5 24 330 4 313 6.20E-49 203 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039043 6596 166 UdeM00000039043 XP_045166071.1 38.1 286
161 7 14 291 321 598 7.60E-38 166 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039044 6596 388.3 UdeM00000039044 XP_045166082.1 32.7 947
521 20 23 958 17 858 3.00E-104 388.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039045 6579 303.1 UdeM00000039045 XP_033756871.1 31.8 655
410 16 4 642 22 655 1.00E-78 303.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039047 6596 352.1 UdeM00000039047 XP_045166082.1 31.6 895
487 19 23 900 17 803 2.20E-93 352.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039049 29159 284.3 UdeM00000039049 XP_011428416.3 32.4 584
 360 16 29 588 20 592 3.80E-73 284.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039050 29159 266.9 UdeM00000039050 XP_011428416.3 31.1 575
 347 16 29 565 20 583 5.90E-68 266.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044202 554065 165.6 UdeM00000044202 XP_005849672.1 39.9
 253 144 4 6 255 3 250 8.90E-38 165.6 554065
 cellular organisms;Eukaryota;Viridiplantae;Chlorophyta;core
 chlorophytes;Trebouxiophyceae;Chlorellales;Chlorellaceae;Chlorella
 clade;Chlorella;Chlorella variabilis
 UdeM00000025039 6596 531.2 UdeM00000025039 XP_045204475.1 72.8 334
 90 1 22 355 23 355 1.00E-147 531.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025038 6596 805.4 UdeM00000025038 XP_045204475.1 61.4 622
 223 8 22 635 23 635 5.20E-230 805.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025040 400727 341.3 UdeM00000025040 XP_025094507.1 53.4
 313 142 4 5 315 325 635 1.40E-90 341.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000025041 6573 322 UdeM00000025041 XP_021346252.1 35.5 625
 317 19 1 560 1 604 1.50E-84 322 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025042 6573 624.8 UdeM00000025042 XP_021346253.1 87 355
 46 0 1 355 1 355 6.80E-176 624.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025044 10224 59.3 UdeM00000025044 XP_002733294.1 53.7 54
 25 0 35 88 23 76 6.40E-06 59.3 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000025046 6573 851.3 UdeM00000025046 XP_021346254.1 79.7 512
 100 2 15 523 342 852 6.90E-244 851.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025047 29159 481.9 UdeM00000025047 XP_034318405.1 76.7 318
 68 3 1 313 38 354 6.50E-133 481.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025050 6596 300.1 UdeM00000025050 XP_045204216.1 49 294
 136 4 26 318 36 316 3.50E-78 300.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025052 6573 181.4 UdeM00000025052 XP_021364077.1 45.3 278
 131 6 690 955 1136 1404 5.40E-42 181.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025053 8040 70.9 UdeM00000025053 XP_038848645.1 28.7 178
 126 1 180 357 1306 1482 6.50E-09 70.9 8040 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salm
 oninae;Salvelinus;Salvelinus namaycush
 UdeM00000025056 6596 684.1 UdeM00000025056 XP_045203147.1 70.2 473
 136 1 1 468 1 473 1.20E-193 684.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025057 2587831 130.2 UdeM00000025057 XP_026503620.1 45.3
 139 76 0 8 146 4 142 2.60E-27 130.2 2587831
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Em
 ydidae;Terrapene;Terrapene carolina;Terrapene carolina triunguis
 UdeM00000025058 6596 1109 UdeM00000025058 XP_045202911.1 78 699
 125 2 1 698 1 671 0.00E+00 1109 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025059 6596 1125.5 UdeM00000025059 XP_045202910.1 81.2
 672 124 2 1 671 1 671 0.00E+00 1125.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025060 6579 120.2 UdeM00000025060 XP_033736263.1 45.2 124
 67 1 11 133 451 574 2.10E-24 120.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025061 6596 194.5 UdeM00000025061 XP_045177053.1 39.1 253
139 6 267 514 189 431 3.30E-46 194.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025062 6579 112.1 UdeM00000025062 XP_033736263.1 45.5 112
60 1 20 130 463 574 5.50E-22 112.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025063 6596 199.9 UdeM00000025063 XP_045181277.1 37.3 292
167 8 134 418 139 421 6.40E-48 199.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025064 6579 110.9 UdeM00000025064 XP_033736263.1 45.5 110
59 1 9 117 465 574 1.10E-21 110.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025065 6596 154.1 UdeM00000025065 XP_045177053.1 42.2 185
95 4 303 483 255 431 4.60E-34 154.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025066 225164 129.4 UdeM00000025066 XP_009046882.1 53.8
106 49 0 218 323 27 132 8.20E-27 129.4 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;Lottiidae;Lottia;Lottia gigantea

UdeM00000025067 6596 120.2 UdeM00000025067 XP_045205692.1 28.8 386
185 9 627 996 540 851 1.50E-23 120.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025068 6596 120.2 UdeM00000025068 XP_045205692.1 28.8 386
185 9 600 969 540 851 1.50E-23 120.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025069 6596 973.4 UdeM00000025069 XP_045206013.1 46.9 897
466 6 177 1068 953 1844 3.40E-280 973.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025070 6596 1239.2 UdeM00000025070 XP_045205123.1 77.9
 757 152 3 39 782 78 832 0.00E+00 1239.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025072 7574 98.6 UdeM00000025072 XP_023931656.1 36.8 144
 88 3 7 149 119 260 8.90E-18 98.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000025073 6596 278.9 UdeM00000025073 XP_045176230.1 32.6 565
 338 19 9 556 36 574 1.50E-71 278.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025074 6596 117.9 UdeM00000025074 XP_045167526.1 30.6 252
 158 8 6 241 196 446 1.90E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025075 6596 58.2 UdeM00000025075 XP_045161740.1 33.3 96
 54 2 43 132 26 117 9.90E-06 58.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025076 6596 232.6 UdeM00000025076 XP_045176230.1 30.4 487
 303 14 106 578 57 521 1.20E-57 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025077 6596 94.4 UdeM00000025077 XP_045181544.1 30 180
 113 4 3 171 280 457 1.50E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025080 6596 304.3 UdeM00000025080 XP_045208657.1 32.9 638
 369 24 14 623 21 627 3.60E-79 304.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025081 6596 115.9 UdeM00000025081 XP_045176230.1 36.7 169
 104 3 1 167 193 360 5.10E-23 115.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025082 6596 189.5 UdeM00000025082 XP_045176230.1 31.6 393
 241 12 36 419 57 430 9.20E-45 189.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025083 6687 78.2 UdeM00000025083 XP_037797021.1 42.9 112
 57 5 16 122 41 150 8.20E-12 78.2 6687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus monodon
 UdeM00000025084 441366 75.1 UdeM00000025084 XP_028296543.1 45.1
 71 39 0 15 85 768 838 5.00E-11 75.1 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoiidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000025087 29159 70.1 UdeM00000025087 XP_034322711.1 33.1 163
 102 4 7 168 168 324 3.40E-09 70.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025088 1232801 97.8 UdeM00000025088 XP_043203304.1 41.1
 141 81 2 8 147 597 736 1.90E-17 97.8 1232801
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanid
 ae;Amphibalanus;Amphibalanus amphitrite
 UdeM00000025090 37653 121.3 UdeM00000025090 XP_014784938.1 52.4 103
 48 1 1 102 164 266 9.00E-25 121.3 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000025091 6596 651 UdeM00000025091 XP_045204508.1 37.6 1185
 668 25 57 1220 8 1142 3.00E-183 651 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025092 6596 129.4 UdeM00000025092 XP_045180427.1 33.3 273
 117 4 1 208 1 273 5.70E-27 129.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025093 29159 72.4 UdeM00000025093 XP_034307860.1 64.2 53
 19 0 1 53 1 53 3.50E-10 72.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000025094 6596 188 UdeM00000025094 XP_045167526.1 31.1 409
 264 8 60 462 50 446 2.80E-44 188 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000025095 6526 187.6 UdeM00000025095 XP_013072228.1 29.8 486
 223 9 15 387 19 499 3.00E-44 187.6 6526 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan
 pulmonata; Hygrophila; Lymnaeoida; Planorbidae; Biomphalaria; Biomphalaria
 glabrata
 UdeM00000025096 6596 184.9 UdeM00000025096 XP_045176230.1 29.5 417
 264 11 12 417 33 430 2.30E-43 184.9 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000025097 6596 243.8 UdeM00000025097 XP_045176230.1 29.7 556
 316 15 30 548 57 574 5.50E-61 243.8 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000025098 6596 146 UdeM00000025098 XP_045184527.1 39.8 171
 95 5 1 166 111 278 4.60E-32 146 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000025100 6579 578.9 UdeM00000025100 XP_033742376.1 38.2 997
 570 15 22 1010 14 972 1.40E-161 578.9 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000025101 6579 578.9 UdeM00000025101 XP_033742376.1 38.2 997
 570 15 7 995 14 972 1.40E-161 578.9 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000025102 50390 76.3 UdeM00000025102 XP_028127913.1 44.9 78
 42 1 1 78 1 77 2.00E-11 76.3 50390 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucu
 jiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; D
 iabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera
 virgifera
 UdeM00000025103 2607531 242.3 UdeM00000025103 XP_029657406.1 56.7
 208 90 0 4 211 43 250 5.70E-61 242.3 2607531
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000025104 7725 146 UdeM00000025104 XP_039263221.1 62.5 112
42 0 48 159 9 120 5.10E-32 146 7725 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela clava

UdeM00000025106 6579 585.5 UdeM00000025106 XP_033742376.1 37.7 1002
569 16 18 1010 15 970 1.50E-163 585.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025107 6579 580.1 UdeM00000025107 XP_033742376.1 38.9 978
545 15 32 999 23 957 6.20E-162 580.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025108 6579 579.7 UdeM00000025108 XP_033742376.1 38.7 951
543 13 27 960 24 951 7.80E-162 579.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025109 6573 184.5 UdeM00000025109 XP_021354853.1 29.6 439
116 3 1 246 355 793 2.50E-43 184.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025110 29159 61.6 UdeM00000025110 XP_034322709.1 42.2 64
37 0 18 81 66 129 1.30E-06 61.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025115 6596 592 UdeM00000025115 XP_045204974.1 37.7 1002
608 10 6 1001 15 1006 1.60E-165 592 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025119 6579 544.3 UdeM00000025119 XP_033760558.1 30.5 942
655 0 745 1686 1852 2793 5.60E-151 544.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025122 6596 757.3 UdeM00000025122 XP_045205574.1 43.8 1116
559 17 9 1086 21 1106 2.70E-215 757.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025124 6596 714.9 UdeM00000025124 XP_045205573.1 40.6 1094
604 16 5 1074 41 1112 1.50E-202 714.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025123 6596 728.4 UdeM00000025123 XP_045205573.1 40.5 1122
 622 16 8 1105 13 1112 1.40E-206 728.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025125 6596 768.5 UdeM00000025125 XP_045205574.1 48.4 953
 470 12 9 953 11 949 1.20E-218 768.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025127 6596 96.3 UdeM00000025127 XP_045215739.1 34.5 177
 101 4 2 174 328 493 5.30E-17 96.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025128 6573 206.8 UdeM00000025128 XP_021378643.1 37.4 297
 180 4 38 330 939 1233 4.80E-50 206.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025129 29159 352.1 UdeM00000025129 XP_034322969.1 31.9 626
 340 14 29 594 210 809 1.40E-93 352.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025131 6596 61.6 UdeM00000025131 XP_045183346.1 46.6 58
 27 1 10 63 76 133 1.10E-06 61.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025132 400727 452.2 UdeM00000025132 XP_025087586.1 64
 317 113 1 24 340 5 320 5.80E-124 452.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000025133 42434 58.9 UdeM00000025133 XP_039453121.1 42.5 73
 37 2 92 160 494 565 9.10E-06 58.9 42434 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Culicinae;Culicini;Culex;Culex;Culex pipiens
 complex;Culex pipiens;Culex pipiens pallens
 UdeM00000025134 6573 933.7 UdeM00000025134 XP_021346238.1 67.1 812
 251 2 1 805 1 803 1.70E-268 933.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025135 6596 137.9 UdeM00000025135 XP_045204103.1 67.8 121
 37 2 1 121 3 121 8.70E-30 137.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025136 6565 224.2 UdeM00000025136 XP_022327024.1 76 129
 31 0 29 157 35 163 1.20E-55 224.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025137 1735272 463.8 UdeM00000025137 XP_041357055.1 69.9
 336 100 1 55 390 178 512 2.40E-127 463.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000025138 6573 349.7 UdeM00000025138 XP_021346245.1 31.7 1244
 628 36 7 1182 595 1684 1.40E-92 349.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025139 7574 280 UdeM00000025139 XP_023932810.1 38.4 440
 240 15 15 431 51 482 6.00E-72 280 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000025140 6573 261.9 UdeM00000025140 XP_021378643.1 45 311
 153 6 32 338 562 858 1.10E-66 261.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025141 6573 481.1 UdeM00000025141 XP_021378643.1 38.7 693
 387 14 32 707 562 1233 2.60E-132 481.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025142 6579 253.8 UdeM00000025142 XP_033751112.1 42.8 283
 154 5 92 371 84 361 3.40E-64 253.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025143 6579 250.8 UdeM00000025143 XP_033751112.1 42.3 293
 160 5 69 359 76 361 2.80E-63 250.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025144 6579 255.8 UdeM00000025144 XP_033751112.1 43.4 281
 154 4 90 368 84 361 9.00E-65 255.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025146 6579 265.4 UdeM00000025146 XP_033751112.1 44.5 281
 151 4 90 368 84 361 1.10E-67 265.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000025145 6579 234.6 UdeM00000025145 XP_033751112.1 49.3 207
103 1 90 296 84 288 1.70E-58 234.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000025147 6596 823.9 UdeM00000025147 XP_045206700.1 61.8 662
240 5 1 657 1 654 1.50E-235 823.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025148 6565 1092 UdeM00000025148 XP_022322186.1 65.6 785
267 3 33 815 28 811 0.00E+00 1092 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025150 6596 440.3 UdeM00000025150 XP_045205536.1 43.9 709
290 17 13 639 15 697 4.40E-120 440.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025151 8496 86.3 UdeM00000025151 XP_014461102.1 36.1 122
74 3 4 122 228 348 3.10E-14 86.3 8496 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Archosauria;Crocodylia;Alligatoridae;Alligatorinae;Alligator;Alli
gator mississippiensis
UdeM00000025152 6596 392.9 UdeM00000025152 XP_045205536.1 38.3 724
344 22 1 697 753 1400 8.70E-106 392.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025153 6596 150.6 UdeM00000025153 XP_045205536.1 33.9 448
194 21 3 424 1029 1400 4.60E-33 150.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025155 6596 540 UdeM00000025155 XP_045203192.1 58.9 467
192 0 34 500 19 485 3.10E-150 540 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025156 6573 557 UdeM00000025156 XP_021358726.1 53.7 521
218 7 1 510 1 509 2.90E-155 557 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000025157 1735272 164.5 UdeM00000025157 XP_041359832.1 30
444 264 17 9 422 7 433 4.00E-37 164.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025158 29159 189.9 UdeM00000025158 XP_034302756.1 62.5 136
51 0 4 139 9 144 2.20E-45 189.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025159 6596 1158.3 UdeM00000025159 XP_045205163.1 46
1466 654 37 27 1399 28 1448 0.00E+00 1158.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000025160 6596 1060.1 UdeM00000025160 XP_045205832.1 79.5
658 122 5 1 645 1 658 1.20E-306 1060.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000025161 6596 5430.1 UdeM00000025161 XP_045204551.1 57.4
5222 1883 92 14 5064 6 5056 0.00E+00 5430.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000025162 6596 526.2 UdeM00000025162 XP_045204541.1 78.7 497
96 3 1 489 212 706 4.50E-146 526.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000025163 6596 685.6 UdeM00000025163 XP_045204541.1 79.2 600
101 4 1 578 109 706 5.30E-194 685.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000025164 303518 129 UdeM00000025164 XP_005751641.1 49.3
142 69 2 3 141 291 432 4.70E-27 129 303518
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl

iformes;Cichlidae;African
cichlids;Pseudocrenilabrinae;Haplochromini;Pundamilia;Pundamilia nyererei
UdeM00000025165 7574 137.1 UdeM00000025165 XP_013384614.1 71.7 92
23 1 1 89 1 92 1.50E-29 137.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000025166 400727 115.2 UdeM00000025166 XP_025086911.1 63.8
80 26 1 5 84 9 85 4.30E-23 115.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000025167 6596 692.6 UdeM00000025167 XP_045204430.1 77.5 512
97 3 992 1500 487 983 1.10E-195 692.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025168 29159 718 UdeM00000025168 XP_011448163.2 84.8 461
65 1 1 461 1 456 7.70E-204 718 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025169 151771 111.3 UdeM00000025169 XP_028408207.1 39.5
157 94 1 84 240 138 293 1.70E-21 111.3 151771
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea
UdeM00000025170 6596 140.2 UdeM00000025170 XP_045204433.1 44 159
84 3 1 155 1 158 2.40E-30 140.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025171 29159 520.4 UdeM00000025171 XP_011456694.2 68.2 381
118 1 1 381 1 378 1.90E-144 520.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025172 6526 73.9 UdeM00000025172 XP_013095497.1 38.3 94
56 2 10 102 30 122 1.50E-10 73.9 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000025173 1735272 604.7 UdeM00000025173 XP_041358113.1 60
493 179 5 74 548 17 509 1.10E-169 604.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025176 6596 390.6 UdeM00000025176 XP_045203973.1 42.8 479
 269 4 27 503 39 514 3.10E-105 390.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025177 6596 145.6 UdeM00000025177 XP_045203974.1 65 100
 35 0 10 109 36 135 3.70E-32 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025178 6596 285 UdeM00000025178 XP_045203961.1 71.5 193
 55 0 2 194 6 198 7.00E-74 285 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025179 6573 1024.6 UdeM00000025179 XP_021375935.1 78.9
 587 121 1 43 626 25 611 5.20E-296 1024.6 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025180 6596 482.6 UdeM00000025180 XP_045205224.1 57.6 422
 171 3 8 421 17 438 5.00E-133 482.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025181 6579 339.3 UdeM00000025181 XP_033743800.1 53.8 329
 152 0 2 330 6 334 5.30E-90 339.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025182 6596 857.4 UdeM00000025182 XP_045204610.1 71.9 563
 143 3 17 564 59 621 1.10E-245 857.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025183 37653 94 UdeM00000025183 XP_014781215.1 62.7 67
 25 0 14 80 31 97 9.80E-17 94 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000025184 225164 623.6 UdeM00000025184 XP_009047116.1 73.1
 417 111 1 12 427 204 620 1.90E-175 623.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000025185 1735272 272.7 UdeM00000025185 XP_041356928.1 62.3
 223 70 4 44 264 29 239 4.90E-70 272.7 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025186 29159 1017.3 UdeM00000025186 XP_011423016.2 79.9
616 124 0 792 1407 623 1238 1.90E-293 1017.3
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025189 6596 124.4 UdeM00000025189 XP_045202738.1 45.7 164
74 4 22 181 19 171 2.20E-25 124.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025191 6596 238.8 UdeM00000025191 XP_045202740.1 59.5 205
71 4 13 214 10 205 6.40E-60 238.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025194 6596 394.4 UdeM00000025194 XP_045204909.1 47 428
210 5 3 425 10 425 2.00E-106 394.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025195 6573 513.5 UdeM00000025195 XP_021339020.1 67 424
131 1 1 424 1 415 2.70E-142 513.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000025196 6596 698 UdeM00000025196 XP_045203692.1 64.1 577
196 3 1 577 1 566 1.00E-197 698 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025197 6596 195.3 UdeM00000025197 XP_045203692.1 55.8 163
71 1 28 190 405 566 7.20E-47 195.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025198 6579 95.9 UdeM00000025198 XP_033743710.1 83.3 48
8 0 9 56 11 58 4.90E-17 95.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000025199 77115 118.6 UdeM00000025199 XP_038140435.1 22.2 535
316 17 332 775 12 537 4.50E-23 118.6 77115 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinodontini;Cyprinodon;Cyprinodon tularosa

UdeM00000025200 77115 86.7 UdeM00000025200 XP_038140435.1 29.4 204
127 8 91 284 341 537 6.70E-14 86.7 77115 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinodontini;Cyprinodon;Cyprinodon tularosa

UdeM00000025202 6596 604 UdeM00000025202 XP_045206270.1 41.6 844
415 17 58 864 27 829 3.50E-169 604 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025205 6565 842.4 UdeM00000025205 XP_022323119.1 56.8 701
267 9 5 682 15 702 4.00E-241 842.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025206 6565 1037.3 UdeM00000025206 XP_022323119.1 70.1
712 200 5 3 713 4 703 8.80E-300 1037.3 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025207 6565 1042 UdeM00000025207 XP_022323119.1 69.5 727
194 5 3 728 4 703 3.70E-301 1042 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025208 6573 1947.6 UdeM00000025208 XP_021348278.1 58.9
2043 658 28 1 1993 1 1911 0.00E+00 1947.6 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025209 400727 312.8 UdeM00000025209 XP_025088528.1 60.3
297 105 8 1 289 1 292 5.20E-82 312.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000025224 6500 408.3 UdeM00000025224 XP_005103080.1 58.1 375
146 4 2 365 110 484 1.30E-110 408.3 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000025225 6565 360.5 UdeM00000025225 XP_022324860.1 49.4 401
 188 4 54 449 314 704 3.20E-96 360.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025227 6579 308.1 UdeM00000025227 XP_033743895.1 50.9 383
 148 10 1 376 1 350 1.50E-80 308.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025228 6579 99.4 UdeM00000025228 XP_033743219.1 46.2 93
 49 1 2 93 140 232 2.60E-18 99.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025229 6573 342.4 UdeM00000025229 XP_021361341.1 46.2 539
 208 17 56 559 92 583 1.10E-90 342.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025230 6573 455.3 UdeM00000025230 XP_021360284.1 57.3 393
 163 4 260 651 50 438 1.30E-124 455.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025231 2607531 1501.9 UdeM00000025231 XP_029638531.1
 57.7 1316 465 13 23 1322 469 1708 0.00E+00 1501.9
 2607531 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000025232 6596 550.8 UdeM00000025232 XP_045204753.1 63 414
 149 3 3 413 1437 1849 1.50E-153 550.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025233 6579 209.1 UdeM00000025233 XP_033744344.1 54.4 160
 73 0 2 161 149 308 4.10E-51 209.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025234 6579 107.8 UdeM00000025234 XP_033744344.1 45.5 145
 65 6 3 134 1 144 1.10E-20 107.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025235 6596 357.5 UdeM00000025235 XP_045206384.1 50.3 340
 123 4 14 352 36 330 2.00E-95 357.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025236 6573 394.8 UdeM00000025236 XP_021352157.1 45.1 812
 364 15 1 763 1 779 3.90E-106 394.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025237 29159 184.9 UdeM00000025237 XP_011429648.2 68.9 122
 33 1 65 186 961 1077 9.80E-44 184.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025238 6596 117.9 UdeM00000025238 XP_045203996.1 61.9 97
 36 1 1098 1194 420 515 9.10E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025239 6596 834.7 UdeM00000025239 XP_045204006.1 59.4 756
 260 15 1 754 56 766 9.20E-239 834.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025240 6596 615.9 UdeM00000025240 XP_045204007.1 61.1 537
 195 6 2 532 161 689 4.70E-173 615.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025241 6596 644 UdeM00000025241 XP_045205866.1 51.5 681
 293 11 4 670 7 664 2.10E-181 644 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025242 6596 365.2 UdeM00000025242 XP_045206603.1 43.7 428
 236 4 2 429 11 433 1.30E-97 365.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025243 6596 371.3 UdeM00000025243 XP_045206603.1 45.3 422
 225 4 4 424 13 429 1.70E-99 371.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025244 6596 741.5 UdeM00000025244 XP_045203583.1 47 879
 397 18 34 878 38 881 1.20E-210 741.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025245 1937702 68.9 UdeM00000025245 XP_043053154.1 26.9
 171 115 4 292 455 210 377 1.90E-08 68.9 1937702

cellular
organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Ascomycota;saccharomyceta;
Saccharomycotina;Saccharomycetes;Saccharomycetales;Pichiaceae;Ogataea;Oga
taea haglerorum
UdeM00000025246 6596 84.7 UdeM00000025246 XP_045204036.1 48.8 86
37 2 28 109 135 217 8.40E-14 84.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025247 2652724 114.4 UdeM00000025247 XP_020900102.1 32.5
209 100 6 27 197 45 250 1.80E-22 114.4 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000025248 6596 150.2 UdeM00000025248 XP_045204036.1 57 114
48 1 31 144 105 217 2.10E-33 150.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025249 1735272 160.6 UdeM00000025249 XP_041367532.1 39.9
258 142 3 87 338 30 280 3.50E-36 160.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025250 1735272 183.7 UdeM00000025250 XP_041354040.1 45.3
212 101 1 109 305 150 361 3.60E-43 183.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025251 1735272 186.8 UdeM00000025251 XP_041354040.1 45.3
214 102 1 95 293 148 361 4.20E-44 186.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025252 6596 114.8 UdeM00000025252 XP_045156958.1 39.1 197
107 4 9 203 7 192 1.30E-22 114.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025254 6565 357.1 UdeM00000025254 XP_022327050.1 55.6 306
136 0 1 306 1 306 2.40E-95 357.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025255 1735272 645.6 UdeM00000025255 XP_041358501.1 53.1
606 258 6 1 592 318 911 7.10E-182 645.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025256 6565 96.7 UdeM00000025256 XP_022327050.1 75.8 62
15 0 126 187 907 968 3.40E-17 96.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025257 6596 230.7 UdeM00000025257 XP_045189699.1 42.6 495
187 9 54 451 859 1353 3.70E-57 230.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025258 6596 230.7 UdeM00000025258 XP_045189699.1 42.6 495
187 9 54 451 859 1353 3.70E-57 230.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025259 6596 159.5 UdeM00000025259 XP_045171063.1 35.3 252
158 5 15 264 7 255 6.10E-36 159.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025260 6596 130.6 UdeM00000025260 XP_045171063.1 36 211
130 5 14 222 48 255 2.60E-27 130.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025261 7994 163.3 UdeM00000025261 XP_022537161.1 94.2 86
5 0 32 117 1 86 1.90E-37 163.3 7994 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiformes;Characo
idei;Characidae;Stethaprioninae;Astyanax;Astyanax mexicanus
UdeM00000025262 37003 87 UdeM00000025262 XP_017260744.1 55 60
27 0 141 200 78 137 2.90E-14 87 37003 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Rivulidae;Kryptolebias;Kryptolebias
marmoratus
UdeM00000025264 6596 583.2 UdeM00000025264 XP_045203022.1 43.9 585
284 6 19 599 29 573 4.20E-163 583.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000025265 6596 142.9 UdeM00000025265 XP_045202791.1 41.9 198
 98 6 5 199 7 190 4.40E-31 142.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025266 6579 248.8 UdeM00000025266 XP_033742790.1 37 395
 234 6 71 461 16 399 2.40E-62 248.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025268 6565 535 UdeM00000025268 XP_022327844.1 58.5 487
 190 3 1 482 58 537 9.80E-149 535 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025269 6565 559.7 UdeM00000025269 XP_022328337.1 56.5 522
 213 4 26 540 21 535 6.80E-156 559.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025270 6596 439.5 UdeM00000025270 XP_045204896.1 58.3 393
 147 6 34 420 28 409 4.80E-120 439.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025271 6565 176.4 UdeM00000025271 XP_022320066.1 49.5 182
 88 3 4 185 2 179 3.50E-41 176.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025272 6596 467.6 UdeM00000025272 XP_045204917.1 58.7 407
 159 3 5 406 37 439 1.60E-128 467.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025273 6596 487.6 UdeM00000025273 XP_045204271.1 42.5 595
 313 9 55 638 4 580 2.30E-134 487.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025274 6596 610.9 UdeM00000025274 XP_045202781.1 53 577
 261 6 6 575 8 581 1.60E-171 610.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025275 6596 600.9 UdeM00000025275 XP_045203759.1 51 574
 275 5 7 576 19 590 1.70E-168 600.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025276 6412 195.7 UdeM00000025276 XP_009008669.1 39.1 266
 150 4 137 402 133 386 1.20E-46 195.7 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000025278 6596 315.5 UdeM00000025278 XP_045205084.1 46.9 343
 166 3 8 350 11 337 1.20E-82 315.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025277 6596 262.7 UdeM00000025277 XP_045205084.1 46.3 298
 144 3 32 329 56 337 8.60E-67 262.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025280 6573 119.8 UdeM00000025280 XP_021345821.1 38.8 196
 112 2 6 196 5 197 3.60E-23 119.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025281 6596 291.6 UdeM00000025281 XP_045203447.1 60.7 270
 94 4 24 283 347 614 2.00E-75 291.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025282 6573 102.1 UdeM00000025282 XP_021371245.1 46.9 179
 91 3 42 219 1242 1417 1.50E-18 102.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025283 6596 354.8 UdeM00000025283 XP_045206000.1 41.4 967
 389 29 63 889 134 1062 4.10E-94 354.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025284 29159 329.7 UdeM00000025284 XP_011442674.1 63.4 265
 97 0 1 265 1 265 3.40E-87 329.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025286 6596 304.3 UdeM00000025286 XP_045206720.1 63 216
 68 1 197 412 240 443 2.40E-79 304.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025287 6596 301.2 UdeM00000025287 XP_045206720.1 63.6 217
 64 3 197 411 240 443 2.00E-78 301.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025289 6596 291.6 UdeM00000025289 XP_045204760.1 43 874
420 22 1 844 1 826 3.20E-75 291.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025290 6579 250 UdeM00000025290 XP_033751799.1 37.2 398
233 8 114 504 21 408 7.20E-63 250 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025291 6579 250 UdeM00000025291 XP_033751799.1 37.2 398
233 8 115 505 21 408 7.20E-63 250 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025292 6596 364 UdeM00000025292 XP_045205172.1 45.6 406
215 5 227 629 197 599 3.80E-97 364 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025293 1735272 1406.3 UdeM00000025293 XP_041360351.1
39 2478 1298 50 102 2439 2560 4963 0.00E+00 1406.3
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025294 6850 235.7 UdeM00000025294 XP_022249667.1 48.4 248
126 2 33 278 1696 1943 7.30E-59 235.7 6850 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limulidae;Limulus;Limulus polyphemus

UdeM00000025295 6573 1369.4 UdeM00000025295 XP_021352384.1 44.5
1731 925 20 14 1729 14 1724 0.00E+00 1369.4 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025299 1735272 820.1 UdeM00000025299 XP_041359038.1 66.3
576 191 3 37 612 112 684 1.90E-234 820.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025300 6500 364 UdeM00000025300 XP_005109735.2 54.5 347
150 5 8 349 20 363 2.50E-97 364 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tectipleura;Aplysiida;Aplysioidae;Aplysiidae;Aplysia;Aplysia californica

UdeM00000025301 6579 692.2 UdeM00000025301 XP_033742952.1 47 956
 423 20 151 1081 169 1065 1.10E-195 692.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025302 6596 474.9 UdeM00000025302 XP_045202907.1 77.5 298
 66 1 1 298 27 323 7.30E-131 474.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025303 7159 156.4 UdeM00000025303 XP_021712114.1 26.6 403
 277 6 11 409 1191 1578 9.90E-35 156.4 7159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Culicinae;Aedini;Aedes;Stegomyia;Aedes
 aegypti
 UdeM00000025304 1220207 71.6 UdeM00000025304 XP_041549944.1 32.7
 113 75 1 14 125 635 747 9.50E-10 71.6 1220207
 cellular
 organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Ascomycota;saccharomyceta;
 Pezizomycotina;leotiomyceta;Eurotiomycetes;Eurotiomycetidae;Eurotiales;As
 pergillaceae;Aspergillus;Aspergillus puulaauensis
 UdeM00000025305 50390 196.4 UdeM00000025305 XP_028127913.1 43.7 231
 129 1 1 231 1 230 4.10E-47 196.4 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000025306 8267 233.8 UdeM00000025306 XP_034459057.1 39.2 344
 199 4 1 341 485 821 3.30E-58 233.8 8267 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Pleuronectiformes;Pl
 euronectoidei;Pleuronectidae;Hippoglossus;Hippoglossus hippoglossus
 UdeM00000025307 6596 592 UdeM00000025307 XP_045205529.1 80.2 435
 63 2 1 414 1 433 5.70E-166 592 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025308 6596 2356.3 UdeM00000025308 XP_045206430.1 67.7
 2134 567 16 1 2115 1 2031 0.00E+00 2356.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025309 6565 701.8 UdeM00000025309 XP_022326504.1 91 368
 33 0 1 368 1 368 4.50E-199 701.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025311 6596 705.3 UdeM00000025311 XP_045206430.1 82.9 403
 68 1 42 443 1961 2363 5.40E-200 705.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025310 6579 1330.5 UdeM00000025310 XP_033742934.1 81.7
 765 137 2 42 805 2163 2925 0.00E+00 1330.5 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025312 2607531 670.6 UdeM00000025312 XP_029643971.1 43.2
 850 407 15 1 835 1 789 2.50E-189 670.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000025313 6596 197.6 UdeM00000025313 XP_045206368.1 61.4 127
 48 1 10 135 1 127 1.20E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025314 7574 152.5 UdeM00000025314 XP_023932663.1 29.6 429
 274 11 15 426 39 456 1.40E-33 152.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000025315 6573 268.5 UdeM00000025315 XP_021359539.1 42.5 400
 186 11 215 579 282 672 2.10E-68 268.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025317 6596 110.2 UdeM00000025317 XP_045203123.1 57.9 95
 34 2 209 300 668 759 8.00E-21 110.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025316 6596 153.3 UdeM00000025316 XP_045203123.1 30.6 467
 242 15 37 476 348 759 1.10E-33 153.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025318 6596 66.2 UdeM00000025318 XP_045203123.1 34.7 150
 74 5 41 175 348 488 4.90E-08 66.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025319 52670 82.4 UdeM00000025319 XP_013874439.1 56.7 60
26 0 46 105 1714 1773 3.90E-13 82.4 52670 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus limnaeus

UdeM00000025320 52670 82.4 UdeM00000025320 XP_013874439.1 56.7 60
26 0 44 103 1714 1773 3.80E-13 82.4 52670 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus limnaeus

UdeM00000025321 6596 183.7 UdeM00000025321 XP_045203123.1 55.8 165
65 3 12 175 83 240 3.20E-43 183.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025322 6596 95.1 UdeM00000025322 XP_045203123.1 64.2 67
24 0 1 67 5 71 4.60E-17 95.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025323 13686 204.1 UdeM00000025323 XP_039302821.1 40.8 262
153 1 1 262 364 623 2.10E-49 204.1 13686 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsis invicta

UdeM00000025324 13686 175.6 UdeM00000025324 XP_011170408.3 38.9 283
146 10 110 373 115 389 1.20E-40 175.6 13686 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsis invicta

UdeM00000025325 6596 625.9 UdeM00000025325 XP_045203122.1 49.6 1015
446 23 1 992 1 972 8.50E-176 625.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025327 6596 647.1 UdeM00000025327 XP_045204100.1 58.3 581
 224 7 22 596 10 578 2.30E-182 647.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025326 6596 647.9 UdeM00000025326 XP_045204100.1 59.2 571
 215 7 150 714 20 578 1.60E-182 647.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025328 6596 667.9 UdeM00000025328 XP_045179825.1 79.9 394
 79 0 1 394 1 394 7.80E-189 667.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025329 50390 380.9 UdeM00000025329 XP_028154228.1 52.3 323
 145 2 1 320 126 442 1.50E-102 380.9 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000025330 105023 92 UdeM00000025330 XP_015797448.1 33.9
 118 77 1 106 222 29 146 1.00E-15 92 105023
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc
 hius furzeri

UdeM00000025331 105023 92 UdeM00000025331 XP_015797448.1 33.9
 118 77 1 75 191 29 146 8.80E-16 92 105023
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc
 hius furzeri

UdeM00000025332 50390 456.4 UdeM00000025332 XP_028142380.1 52.3 348
 166 0 1 348 5 352 3.10E-125 456.4 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000025333 6596 226.9 UdeM00000025333 XP_045187824.1 40.7 295
 171 2 10 304 42 332 4.10E-56 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025334 50390 416.8 UdeM00000025334 XP_028142380.1 55 320
 140 1 1 316 89 408 2.50E-113 416.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000025335 50390 475.3 UdeM00000025335 XP_028142380.1 53.1 377
 167 3 26 392 2 378 7.40E-131 475.3 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000025336 29159 197.2 UdeM00000025336 XP_034331441.1 44.7 219
 116 3 1 216 1 217 4.50E-47 197.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025337 50390 547.4 UdeM00000025337 XP_028154228.1 56.4 413
 180 0 1 413 154 566 1.60E-152 547.4 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000025338 50390 612.5 UdeM00000025338 XP_028154228.1 54.9 481
 212 1 2 482 91 566 4.70E-172 612.5 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000025339 6573 125.6 UdeM00000025339 XP_021346496.1 46.3 134
 68 1 1 134 406 535 9.10E-26 125.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025340 6579 251.5 UdeM00000025340 XP_033739209.1 50.4 258
 112 2 9 261 2 248 2.20E-63 251.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025341 50390 417.5 UdeM00000025341 XP_028154228.1 52 344
 142 1 1 321 126 469 1.50E-113 417.5 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000025342 45264 238.4 UdeM00000025342 XP_044177087.1 50.2 231
 112 2 2 232 234 461 9.20E-60 238.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000025343 29159 95.1 UdeM00000025343 XP_011428553.1 42.3 123
 64 3 12 134 11 126 7.20E-17 95.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025344 6573 906 UdeM00000025344 XP_021352139.1 49.1 1416
 587 33 1 1369 1 1329 6.00E-260 906 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025345 6573 902.9 UdeM00000025345 XP_021352139.1 49.6 1412
 578 33 1 1361 1 1329 5.10E-259 902.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025346 6596 441.8 UdeM00000025346 XP_045202893.1 80.4 271
 53 0 1 271 1 271 6.30E-121 441.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025347 6579 292.7 UdeM00000025347 XP_033742514.1 83.2 173
 27 2 1 172 77 248 3.00E-76 292.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025348 133901 153.3 UdeM00000025348 XP_026278027.1 53
 166 76 1 1 164 183 348 3.60E-34 153.3 133901
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;T
 hripoidea;Thripidae;Thripinae;Frankliniella;Frankliniella occidentalis
 UdeM00000025349 6596 310.1 UdeM00000025349 XP_045202898.1 52.1 267
 123 1 104 365 82 348 3.80E-81 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025350 6596 375.9 UdeM00000025350 XP_045203987.1 33.3 768
 457 17 5 745 7 746 1.20E-100 375.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025351 225164 145.2 UdeM00000025351 XP_009047492.1 50
134 66 1 1 134 52 184 6.00E-32 145.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000025352 6596 236.9 UdeM00000025352 XP_045167641.1 54.4 195
86 1 75 269 31 222 3.00E-59 236.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025354 7719 189.9 UdeM00000025354 XP_004227365.1 54 150
69 0 49 198 13 162 3.10E-45 189.9 7719 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000025355 6596 154.1 UdeM00000025355 XP_045203987.1 46.9 177
86 3 56 224 298 474 2.90E-34 154.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025356 225164 161.4 UdeM00000025356 XP_009047492.1 51
145 70 1 11 155 41 184 9.40E-37 161.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000025357 6596 229.6 UdeM00000025357 XP_045167641.1 53.9 193
86 1 131 323 33 222 5.80E-57 229.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025358 6596 232.3 UdeM00000025358 XP_045203987.1 44.4 304
153 6 2 289 224 527 1.60E-57 232.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025359 225164 162.5 UdeM00000025359 XP_009047492.1 51.7
145 69 1 18 162 41 184 4.40E-37 162.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000025360 6596 228.8 UdeM00000025360 XP_045167641.1 56.1 187
79 1 137 323 39 222 9.90E-57 228.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025361 6596 224.6 UdeM00000025361 XP_045176520.1 55.7 185
77 3 96 280 41 220 1.60E-55 224.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025362 299321 75.1 UdeM00000025362 XP_028821593.1 39
100 52 4 276 368 315 412 2.10E-10 75.1 299321
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Clupei;Clupeiformes;Denticipitoidei;Denticipitidae;Denticeps;Denticeps clupeoides

UdeM00000044401 83332 1920.6 UdeM00000044401 NP_216564.2 52.1 2042
926 29 12 2039 32 2034 0.00E+00 1920.6 83332
cellular organisms;Bacteria;Terrabacteria

group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000044402 83332 431.4 UdeM00000044402 NP_217615.1 75.2 278 69
0 4 281 6 283 8.80E-118 431.4 83332 cellular

organisms;Bacteria;Terrabacteria group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000044403 83332 717.6 UdeM00000044403 NP_217655.1 87.7 407 50
0 1 407 62 468 8.90E-204 717.6 83332 cellular

organisms;Bacteria;Terrabacteria group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000044272 6596 275.4 UdeM00000044272 XP_045164400.1 46.3 354
166 9 1 336 1 348 9.80E-71 275.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042648 29159 297 UdeM00000042648 XP_034308217.1 36.2 450
260 4 27 450 1 449 4.20E-77 297 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042649 6596 227.3 UdeM00000042649 XP_045172539.1 29.4 449
271 6 16 419 24 471 3.70E-56 227.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042650 6596 226.5 UdeM00000042650 XP_045172539.1 29.5 448
270 6 1 403 25 471 6.10E-56 226.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042651 6596 1432.2 UdeM00000042651 XP_045171548.1 67.5
1290 368 8 35 1278 24 1308 0.00E+00 1432.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042652 6573 469.2 UdeM00000042652 XP_021357899.1 61.5 403
142 4 1 397 1 396 7.70E-129 469.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042653 6579 560.5 UdeM00000042653 XP_033748878.1 39.3 1008
383 28 54 1042 20 817 4.90E-156 560.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042654 6596 179.5 UdeM00000042654 XP_045173316.1 30.8 701
329 24 30 640 905 1539 1.40E-41 179.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042655 7741 168.3 UdeM00000042655 XP_019633445.1 34.6 269
148 3 3 243 13 281 1.50E-38 168.3 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000042656 6565 72.4 UdeM00000042656 XP_022345136.1 71.8 294
75 3 10 300 11 299 1.30E-09 72.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042657 6596 194.5 UdeM00000042657 XP_045172099.1 77 178
29 4 13 181 25 199 1.20E-46 194.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042658 29159 78.2 UdeM00000042658 XP_034339368.1 68.5 143
40 2 1 139 1 142 9.50E-12 78.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042659 29159 327 UdeM00000042659 XP_034339368.1 57.5 327
118 6 18 333 364 680 2.80E-86 327 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042660 6596 235 UdeM00000042660 XP_045172084.1 45.6 298
 152 3 6 297 1311 1604 1.40E-58 235 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042661 6596 362.8 UdeM00000042661 XP_045172084.1 57.2 341
 126 6 206 531 1819 2154 7.20E-97 362.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042662 6596 176.8 UdeM00000042662 XP_045187622.1 36 328
 187 5 1 309 72 395 4.30E-41 176.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042663 6596 239.6 UdeM00000042663 XP_045165062.1 38.6 370
 203 3 10 373 7 358 6.60E-60 239.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042664 6596 284.6 UdeM00000042664 XP_045173842.1 81.7 164
 30 0 45 208 413 576 9.90E-74 284.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042665 6596 217.6 UdeM00000042665 XP_045165713.1 36.2 398
 224 6 7 383 4 392 2.80E-53 217.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042666 6596 475.3 UdeM00000042666 XP_045173842.1 65.2 405
 124 6 2 390 9 412 9.90E-131 475.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042667 6596 576.6 UdeM00000042667 XP_045171724.1 40.5 1112
 437 22 16 1007 24 1030 6.10E-161 576.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042668 6596 417.9 UdeM00000042668 XP_045171724.1 39.1 911
 377 18 1 792 179 1030 2.80E-113 417.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042670 6596 489.2 UdeM00000042670 XP_045173683.1 55.4 415
 175 3 36 440 40 454 5.60E-135 489.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042669 6596 493.8 UdeM00000042669 XP_045173683.1 51.5 470
 193 5 5 463 9 454 2.40E-136 493.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042671 6596 450.7 UdeM00000042671 XP_045171372.1 59.4 340
 131 3 308 642 226 563 3.70E-123 450.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042672 6596 81.6 UdeM00000042672 XP_045173596.1 40 115
 69 0 15 129 12 126 2.60E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042673 6596 334 UdeM00000042673 XP_045171372.1 38.5 410
 112 1 39 448 268 537 3.80E-88 334 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042674 6565 116.3 UdeM00000042674 XP_022336588.1 37.7 159
 79 3 5 163 88 226 3.80E-23 116.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042675 6596 312.4 UdeM00000042675 XP_045171505.1 41.5 407
 224 6 1 397 180 582 8.40E-82 312.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042676 45351 1013.8 UdeM00000042676 XP_032218909.1 43.3
 1029 499 3 89 1112 850 1799 1.90E-292 1013.8
 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000043793 6579 500.4 UdeM00000043793 XP_033742825.1 49.7 541
 183 8 19 492 304 822 2.70E-138 500.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043794 6500 118.2 UdeM00000043794 XP_012944219.2 50.8 118
 44 1 1 104 720 837 1.10E-23 118.2 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000043795 6596 136 UdeM00000043795 XP_045165299.1 37.6 189
110 6 2 187 110 293 5.30E-29 136 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043796 6579 436.8 UdeM00000043796 XP_033742373.1 43.7 460
253 3 12 467 24 481 3.50E-119 436.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000043797 7604 760.4 UdeM00000043797 XP_033647599.1 31.2 2202
1308 58 636 2712 326 2446 8.10E-216 760.4 7604 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Forcipulatacea; Forcipulatacida; Asteroidea; Asterias; Asterias rubens

UdeM00000043798 6579 138.3 UdeM00000043798 XP_033743120.1 38.1 215
91 5 1 180 1 208 1.70E-29 138.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000043801 6596 137.5 UdeM00000043801 XP_045204388.1 35.5 273
156 8 24 280 22 290 2.80E-29 137.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043802 6565 112.5 UdeM00000043802 XP_022334997.1 39.9 153
85 3 33 181 29 178 9.70E-22 112.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000043803 7604 114.8 UdeM00000043803 XP_033647599.1 39.9 288
157 1 3 274 1405 1692 1.80E-22 114.8 7604 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Forcipulatacea; Forcipulatacida; Asteroidea; Asterias; Asterias rubens

UdeM00000043805 6596 122.5 UdeM00000043805 XP_045202576.1 59.3 108
43 1 1 107 87 194 3.80E-25 122.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043806 6596 177.6 UdeM00000043806 XP_045206316.1 47.6 191
99 1 13 202 70 260 1.60E-41 177.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000035947 29159 62.8 UdeM00000035947 XP_034307341.1 30.5 128
63 2 2 109 48 169 3.20E-07 62.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000035948 1735272 80.9 UdeM00000035948 XP_041353177.1 44.3
79 44 0 1 79 148 226 1.90E-12 80.9 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000035951 29159 310.8 UdeM00000035951 XP_034305965.1 38.8 466
215 15 6 433 7 440 2.80E-81 310.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000035953 6565 198.7 UdeM00000035953 XP_022333382.1 52.6 173
81 1 1 173 189 360 9.90E-48 198.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035954 46514 115.5 UdeM00000035954 XP_038071378.1 56.5 108
47 0 7 114 6 113 4.40E-23 115.5 46514 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; As
terinidae; Patiria; Patiria miniata
UdeM00000035955 6706 152.1 UdeM00000035955 XP_042235765.1 43.9 157
88 0 1 157 1 157 5.80E-34 152.1 6706 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Mul
ticrustacea; Malacostraca; Eumalacostraca; Eucarida; Decapoda; Pleocyemata; Ast
acidea; Nephropoidea; Nephropidae; Homarus; Homarus americanus
UdeM00000035959 6565 216.9 UdeM00000035959 XP_022298930.1 42 276
142 6 26 287 10 281 3.70E-53 216.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035960 7998 437.2 UdeM00000035960 XP_017334791.1 64.6 319
113 0 1 319 62 380 1.80E-119 437.2 7998 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Otomorpha; Ostariophysi; Otophysi; Characiphysae; Siluriformes; Siluroid
ei; Ictaluridae; Ictalurus; Ictalurus punctatus
UdeM00000035961 6579 157.9 UdeM00000035961 XP_033752778.1 40.9 264
128 7 2 255 15 260 1.70E-35 157.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000035962 6565 93.6 UdeM00000035962 XP_022312527.1 44.8 96
52 1 69 163 70 165 2.70E-16 93.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035963 7054 480.7 UdeM00000035963 XP_031328250.1 49.7 467
233 2 1 465 1 467 2.10E-132 480.7 7054 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elateriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis

UdeM00000035965 6706 151 UdeM00000035965 XP_042235765.1 43.9 157
88 0 1 157 1 157 1.30E-33 151 6706 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Malacostraca; Eumalacostraca; Eucarida; Decapoda; Pleocyemata; Astacidea; Nephropoidea; Nephropidae; Homarus; Homarus americanus

UdeM00000035966 6596 62.4 UdeM00000035966 XP_045210831.1 31.2 141
40 2 1 84 1 141 3.20E-07 62.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000035967 6596 481.1 UdeM00000035967 XP_045187150.1 49.4 488
242 2 1 488 135 617 1.70E-132 481.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000035968 6596 622.1 UdeM00000035968 XP_045190527.1 48 656
330 5 57 707 3 652 8.80E-175 622.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000035969 6565 836.6 UdeM00000035969 XP_022334993.1 49.4 887
413 13 39 914 8 869 2.90E-239 836.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000035970 6565 212.6 UdeM00000035970 XP_022287303.1 34.2 310
190 7 6 303 443 750 6.90E-52 212.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000035971 6565 132.1 UdeM00000035971 XP_022334997.1 44.8 154
80 3 6 156 29 180 6.20E-28 132.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000035972 6565 129.8 UdeM00000035972 XP_022334997.1 44.7 152
79 3 6 154 29 178 8.60E-27 129.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000035973 6565 746.9 UdeM00000035973 XP_022334994.1 46.8 870
364 13 36 811 4 868 2.70E-212 746.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000035974 6596 145.2 UdeM00000035974 XP_045209729.1 46.4 168
77 5 2 157 570 736 7.00E-32 145.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035975 29159 68.6 UdeM00000035975 XP_034318137.1 42.6 61
35 0 39 99 811 871 5.30E-09 68.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035976 6596 86.3 UdeM00000035976 XP_045208792.1 37.6 109
67 1 1 109 1 108 2.80E-14 86.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035977 6565 169.1 UdeM00000035977 XP_022337267.1 40.1 267
99 6 56 261 300 566 7.80E-39 169.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035978 6565 163.3 UdeM00000035978 XP_022337267.1 50.3 167
81 1 49 213 400 566 3.50E-37 163.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035979 6565 154.1 UdeM00000035979 XP_022337267.1 65.5 113
39 0 2 114 454 566 1.20E-34 154.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035982 6596 375.2 UdeM00000035982 XP_045169782.1 53.9 332
151 2 1 331 56 386 8.90E-101 375.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035986 6596 326.6 UdeM00000035986 XP_045181000.1 60 452
113 4 2 399 1140 1577 4.40E-86 326.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035987 6596 192.2 UdeM00000035987 XP_045181000.1 56 193
49 4 2 176 868 1042 5.80E-46 192.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035989 7054 402.1 UdeM00000035989 XP_031328250.1 45 467
221 4 1 431 1 467 8.70E-109 402.1 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elaterriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000028285 50390 427.9 UdeM00000028285 XP_028154228.1 58.4 296
 123 0 3 298 326 621 1.00E-116 427.9 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000028286 50390 401.4 UdeM00000028286 XP_028142044.1 57.1 294
 126 0 2 295 334 627 1.00E-108 401.4 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000028287 80966 184.5 UdeM00000028287 XP_022077561.1 54.5 156
 71 0 1 156 116 271 1.00E-43 184.5 80966 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Ovalentaria
 incertae sedis;Pomacentridae;Acanthochromis;Acanthochromis polyacanthus

UdeM00000028288 6596 426.4 UdeM00000028288 XP_045159152.1 66.1 327
 111 0 55 381 52 378 3.90E-116 426.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028291 6596 1008.1 UdeM00000028291 XP_045162416.1 70.5
 803 199 8 1 784 1 784 6.30E-291 1008.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028290 6596 989.6 UdeM00000028290 XP_045162416.1 70.1 792
 199 8 1 773 1 773 2.40E-285 989.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028292 225164 367.9 UdeM00000028292 XP_009058784.1 39
 549 321 10 15 555 5 547 2.40E-98 367.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000028293 7574 72.8 UdeM00000028293 XP_013383769.1 32.3 124
 80 2 12 131 172 295 3.80E-10 72.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000028294 7668 83.6 UdeM00000028294 XP_030847066.1 42.9 105
 52 1 5 101 469 573 1.60E-13 83.6 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus

UdeM00000028295 6573 168.3 UdeM00000028295 XP_021372870.1 40 205
 121 2 6 209 624 827 1.10E-38 168.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028296 27687 448 UdeM00000028296 XP_028667911.1 28.8 1082
 684 27 10 1062 29 1053 3.40E-122 448 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus

UdeM00000028297 45264 146.4 UdeM00000028297 XP_044165535.1 39 205
 117 4 99 297 322 524 6.00E-32 146.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora

UdeM00000028298 29159 802.4 UdeM00000028298 XP_034298913.1 70.7 543
 156 2 351 893 1155 1694 6.00E-229 802.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028299 6565 692.2 UdeM00000028299 XP_022343829.1 97.1 341
 10 0 1 341 1 341 3.30E-196 692.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028300 6565 369.4 UdeM00000028300 XP_022343829.1 98.3 174
 3 0 8 181 168 341 2.60E-99 369.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028301 6579 436.8 UdeM00000028301 XP_033763717.1 45.3 523
 223 9 28 525 28 512 3.90E-119 436.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028302 6596 456.1 UdeM00000028302 XP_045161195.1 70.7 311
 91 0 1 311 1 311 3.70E-125 456.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028303 6565 92.4 UdeM00000028303 XP_022303441.1 29.7 306
 174 7 1 291 1 280 1.00E-15 92.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028304 6579 271.6 UdeM00000028304 XP_033724809.1 45.3 327
 160 4 1 326 1 309 1.40E-69 271.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028305 6596 510.8 UdeM00000028305 XP_045162872.1 73.1 316
 85 0 71 386 5 320 1.60E-141 510.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028306 6596 89.4 UdeM00000028306 XP_045161495.1 55.1 78
 32 1 77 154 46 120 4.50E-15 89.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028307 6596 374 UdeM00000028307 XP_045177776.1 31.4 781
 463 18 285 1047 398 1123 7.00E-100 374 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028308 50429 158.3 UdeM00000028308 XP_022789961.1 68.5 92
 29 0 1 92 78 169 4.70E-36 158.3 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000028309 6596 410.2 UdeM00000028309 XP_045170511.1 31.3 951
 485 32 19 861 90 980 6.70E-111 410.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028310 6579 69.3 UdeM00000028310 XP_033761099.1 22.1 249
 171 4 134 363 68 312 1.20E-08 69.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028311 6579 321.6 UdeM00000028311 XP_033724622.1 77.7 202
 45 0 18 219 1482 1683 7.60E-85 321.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028312 390379 96.3 UdeM00000028312 XP_034039899.1 52.1
 73 34 1 3 74 1 73 2.40E-17 96.3 390379
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Batrachoidaria;Batrachoidiforme
 s;Batrachoididae;Thalassophyrinae;Thalassophryne;Thalassophryne
 amazonica

UdeM00000028313 6565 631.7 UdeM00000028313 XP_022343862.1 46.1 647
 286 5 24 610 661 1304 1.20E-177 631.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028316 6596 235 UdeM00000028316 XP_045185723.1 42.4 304
 157 5 7 308 455 742 2.00E-58 235 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028317 6596 122.1 UdeM00000028317 XP_045206982.1 51 104
 51 0 4 107 80 183 4.80E-25 122.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028318 6565 191 UdeM00000028318 XP_022343862.1 32.9 295
 191 6 82 371 275 567 3.10E-45 191 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028319 6579 166 UdeM00000028319 XP_033724622.1 37.8 270
 138 7 4 256 140 396 6.30E-38 166 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028320 151771 325.9 UdeM00000028320 XP_028406951.1 36
 555 311 10 1 518 119 666 9.60E-86 325.9 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000028321 45264 403.3 UdeM00000028321 XP_044165143.1 49 443
 171 5 42 433 35 473 4.00E-109 403.3 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000028322 29159 428.3 UdeM00000028322 XP_034336553.1 58.8 369
 144 3 22 383 27 394 1.00E-116 428.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028323 29159 500 UdeM00000028323 XP_034336553.1 60.3 416
 157 3 22 430 27 441 3.10E-138 500 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028324 6579 242.7 UdeM00000028324 XP_033763289.1 75.7 152
 36 1 6 156 289 440 3.30E-61 242.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028325 37621 331.3 UdeM00000028325 XP_014679474.1 42.9 464
 150 6 1 349 1 464 1.50E-87 331.3 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000028326 1735272 402.5 UdeM00000028326 XP_041366048.1 47.9
 443 188 4 7 443 8 413 6.90E-109 402.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028327 6579 916 UdeM00000028327 XP_033724659.1 60.7 792
 299 5 40 820 478 1268 3.80E-263 916 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028328 6579 191 UdeM00000028328 XP_033724608.1 60.1 153
 56 1 1 148 389 541 1.10E-45 191 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028329 6579 189.1 UdeM00000028329 XP_033724608.1 68 128
 41 0 14 141 414 541 3.80E-45 189.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028330 6596 213.8 UdeM00000028330 XP_045162854.1 39 315
 159 2 1 282 1 315 3.00E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028331 6596 287.7 UdeM00000028331 XP_045162854.1 50.6 314
 152 2 5 315 4 317 1.90E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028332 1735272 961.1 UdeM00000028332 XP_041378073.1 83.5
 546 90 0 27 572 26 571 6.50E-277 961.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028333 6500 93.2 UdeM00000028333 XP_012940823.2 29.6 189
 133 0 19 207 98 286 1.00E-15 93.2 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000028336 29159 756.5 UdeM00000028336 XP_011446697.1 80.8 556
 106 1 1 555 1 556 2.30E-215 756.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028337 6596 1681.8 UdeM00000028337 XP_045161165.1 57.6
 1508 557 22 61 1549 72 1516 0.00E+00 1681.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028338 1735272 375.6 UdeM00000028338 XP_041377628.1 60.3
 290 109 3 18 302 11 299 6.10E-101 375.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028339 6573 849.4 UdeM00000028339 XP_021372599.1 67 628
 189 9 1 621 1 617 3.00E-243 849.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028340 400727 244.2 UdeM00000028340 XP_025081221.1 89.3
 131 14 0 1 131 17 147 9.30E-62 244.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000028341 400727 123.2 UdeM00000028341 XP_025081502.1 70.4
 81 23 1 1 81 13 92 1.70E-25 123.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000028343 6573 429.1 UdeM00000028343 XP_021366465.1 97.2 216
 6 0 1 216 1 216 7.00E-117 429.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028344 6596 786.9 UdeM00000028344 XP_045160149.1 34.2 1687
 846 42 6 1506 3 1611 5.10E-224 786.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028345 6596 1040.8 UdeM00000028345 XP_045162321.1 60.3
 882 270 7 396 1268 692 1502 1.40E-300 1040.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028347 6596 333.2 UdeM00000028347 XP_045162321.1 66.8 241
 79 1 1 241 1263 1502 2.80E-88 333.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028346 7574 359.8 UdeM00000028346 XP_023933247.1 78.8 222
 47 0 77 298 848 1069 3.50E-96 359.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000028348 6596 127.9 UdeM00000028348 XP_045200228.1 30.5 311
 181 8 54 336 30 333 3.00E-26 127.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028349 6579 745.7 UdeM00000028349 XP_033739131.1 59.2 588
 237 2 1 585 783 1370 4.40E-212 745.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041777 7574 186.4 UdeM00000041777 XP_013384628.1 58.4 161
 58 2 1 161 33 184 3.20E-44 186.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000041778 7574 255.8 UdeM00000041778 XP_013382110.1 47.4 234
 119 2 3 236 386 615 5.50E-65 255.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000041780 7574 260.8 UdeM00000041780 XP_013382110.1 61.9 194
 74 0 14 207 45 238 1.50E-66 260.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000041779 7574 260.8 UdeM00000041779 XP_013382110.1 59.6 208
 78 1 1 208 37 238 1.50E-66 260.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000041781 6596 82.4 UdeM00000041781 XP_045192251.1 51.1 92
 42 2 122 210 328 419 7.50E-13 82.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041782 6573 264.2 UdeM00000041782 XP_021354853.1 50 266
 123 3 185 447 147 405 2.90E-67 264.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041783 6573 442.2 UdeM00000041783 XP_021354853.1 46.3 497
 208 4 4 445 396 888 7.80E-121 442.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041784 6596 176.4 UdeM00000041784 XP_045206152.1 52.6 175
 77 2 70 244 381 549 4.50E-41 176.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041786 6596 82.8 UdeM00000041786 XP_045186008.1 42 81
46 1 4 83 221 301 5.80E-13 82.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041787 7739 105.1 UdeM00000041787 XP_035662552.1 38.8 129
77 1 2 130 390 516 1.30E-19 105.1 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000041788 34773 106.7 UdeM00000041788 XP_041958816.1 32.8 180
102 6 3 165 153 330 3.40E-20 106.7 34773 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;Alosa sapidissima

UdeM00000031609 6596 184.9 UdeM00000031609 XP_045176664.1 26.5 543
309 14 32 496 35 565 2.50E-43 184.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031610 6596 129 UdeM00000031610 XP_045214418.1 40.8 147
84 2 154 298 110 255 1.00E-26 129 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031611 6565 63.9 UdeM00000031611 XP_022322825.1 46.9 64
34 0 4 67 401 464 1.40E-07 63.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031612 29159 67.8 UdeM00000031612 XP_034322772.1 28.8 205
94 6 1 187 1 171 1.70E-08 67.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031613 6596 464.9 UdeM00000031613 XP_045188551.1 30 1320
821 39 2 1278 2218 3477 3.20E-127 464.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031614 6596 199.9 UdeM00000031614 XP_045190673.1 43.6 243
130 4 11 248 589 829 5.40E-48 199.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031617 151771 420.6 UdeM00000031617 XP_028419301.1 54.5
380 144 3 42 394 34 411 2.30E-114 420.6 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000031618 45264 172.9 UdeM00000031618 XP_044184031.1 48.7 191
88 5 1 185 300 486 3.70E-40 172.9 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000031619 6596 198.4 UdeM00000031619 XP_045190673.1 42.6 242
133 4 11 248 589 828 1.10E-47 198.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031620 6579 208.8 UdeM00000031620 XP_033764133.1 27.5 665
415 15 484 1093 490 1142 3.60E-50 208.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031621 6573 303.9 UdeM00000031621 XP_021355423.1 40.7 427
221 9 13 424 2093 2502 3.20E-79 303.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031622 1735272 337.4 UdeM00000031622 XP_041347204.1 39.8
465 252 14 2 460 207 649 2.80E-89 337.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031623 1735272 492.7 UdeM00000031623 XP_041347279.1 35
907 521 28 265 1131 1 878 1.30E-135 492.7 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031625 6565 266.5 UdeM00000031625 XP_022335825.1 24 1279
772 40 20 1248 550 1678 2.00E-67 266.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031626 7574 73.2 UdeM00000031626 XP_023932230.1 46.1 89
47 1 2 89 780 868 6.70E-10 73.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000031627 6565 201.1 UdeM00000031627 XP_022335825.1 42.7 241
133 4 11 249 550 787 5.30E-48 201.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000031629 29159 438.7 UdeM00000031629 XP_011425943.2 25.4 1757
974 44 474 1972 809 2486 3.90E-119 438.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000031630 6573 198 UdeM00000031630 XP_021354329.1 42 245
137 4 10 251 481 723 4.00E-47 198 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000031631 29159 146.7 UdeM00000031631 XP_034317326.1 31.4 370
215 10 408 740 1640 2007 1.50E-31 146.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000031632 6596 123.6 UdeM00000031632 XP_045188551.1 59.4 101
40 1 3 102 3377 3477 1.50E-25 123.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031634 6565 177.9 UdeM00000031634 XP_022335825.1 40.8 240
128 5 26 253 550 787 2.70E-41 177.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000031636 114398 258.1 UdeM00000031636 XP_042913678.1 41.2
323 184 2 1 319 108 428 1.50E-65 258.1 114398
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum
UdeM00000031637 6579 357.1 UdeM00000031637 XP_033764133.1 30.4 951
516 27 1 823 491 1423 6.20E-95 357.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031638 6596 200.7 UdeM00000031638 XP_045190515.1 33.5 394
222 11 809 1164 1582 1973 1.00E-47 200.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031640 6596 186.4 UdeM00000031640 XP_045190673.1 40.6 261
131 5 11 267 589 829 6.10E-44 186.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031641 6596 235 UdeM00000031641 XP_045188486.1 38.7 390
216 7 89 459 1693 2078 2.70E-58 235 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031642 6596 202.6 UdeM00000031642 XP_045190673.1 43.6 243
131 4 20 258 589 829 2.20E-48 202.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031643 6596 479.6 UdeM00000031643 XP_045188486.1 38.2 759
437 16 3 742 1804 2549 7.40E-132 479.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031644 6573 261.2 UdeM00000031644 XP_021355423.1 34.3 502
280 13 11 481 1965 2447 2.70E-66 261.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031649 6596 154.8 UdeM00000031649 XP_045188551.1 55.2 125
56 0 9 133 3353 3477 7.60E-35 154.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031645 6596 497.3 UdeM00000031645 XP_045188551.1 28.8 1615
890 47 594 1997 1912 3477 9.20E-137 497.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031646 6596 497.3 UdeM00000031646 XP_045188551.1 28.8 1615
890 47 609 2012 1912 3477 9.30E-137 497.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031647 6596 500.4 UdeM00000031647 XP_045188551.1 28.5 1657
919 49 496 1937 1872 3477 1.10E-137 500.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031648 6596 497.7 UdeM00000031648 XP_045188551.1 28.8 1615
890 47 549 1952 1912 3477 6.90E-137 497.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031651 7962 203.8 UdeM00000031651 XP_042578941.1 32 397
246 8 125 507 38 424 6.60E-49 203.8 7962 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio
 UdeM00000031652 6565 359.8 UdeM00000031652 XP_022316307.1 38.4 570
 320 10 1 550 5 563 6.70E-96 359.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031654 6565 199.5 UdeM00000031654 XP_022335825.1 44 243
 129 5 23 263 550 787 6.90E-48 199.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031656 29159 152.5 UdeM00000031656 XP_034336526.1 69.1 97
 30 0 223 319 1839 1935 8.90E-34 152.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031657 1735272 95.1 UdeM00000031657 XP_041347065.1 32.8
 204 101 6 1 171 1 201 9.40E-17 95.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031658 37621 389.4 UdeM00000031658 XP_014679849.1 35.8 614
 225 6 10 464 14 617 6.30E-105 389.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus
 UdeM00000031659 6579 142.5 UdeM00000031659 XP_033764133.1 29.5 424
 254 13 158 543 493 909 1.60E-30 142.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031660 6596 327.4 UdeM00000031660 XP_045190515.1 34.7 547
 323 11 14 549 1450 1973 3.50E-86 327.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000031661 6573 154.1 UdeM00000031661 XP_021361223.1 71.1 97
 28 0 291 387 975 1071 3.70E-34 154.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031662 6573 98.6 UdeM00000031662 XP_021371061.1 36.7 188
 90 7 29 196 58 236 9.60E-18 98.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031663 37621 216.1 UdeM00000031663 XP_014679849.1 51.9 181
 73 3 16 192 447 617 4.00E-53 216.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000031664 6573 137.1 UdeM00000031664 XP_021375729.1 57.8 102
43 0 10 111 9 110 1.50E-29 137.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000031665 6579 350.9 UdeM00000031665 XP_033731448.1 26.1 1363
833 36 658 1875 81 1414 1.00E-92 350.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000031667 6596 330.5 UdeM00000031667 XP_045158356.1 32.4 608
391 8 1 588 959 1566 4.40E-87 330.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031668 8932 100.5 UdeM00000031668 XP_021146887.1 44.6 92
51 0 18 109 532 623 1.60E-18 100.5 8932 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Sauropsida; Sauria; Archelosauria; Archosauria; Dinosauria; Saurischia; Theropoda; Coelurosauria; Aves; Neognathae; Columbiformes; Columbidae; Columba; Columba livia

UdeM00000031669 6579 304.7 UdeM00000031669 XP_033731448.1 27 1245
748 43 172 1287 80 1292 5.70E-79 304.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000044057 595528 246.5 UdeM00000044057 XP_004349202.2 44.2
308 150 4 4 310 2 288 4.60E-62 246.5 595528
cellular
organisms; Eukaryota; Opisthokonta; Filasterea; Capsaspora; Capsaspora owczarzaki; Capsaspora owczarzaki ATCC 30864

UdeM00000044058 83332 434.1 UdeM00000044058 NP_216556.1 81.4 263 49
0 1 263 37 299 1.30E-118 434.1 83332 cellular
organisms; Bacteria; Terrabacteria
group; Actinobacteria; Actinomycetia; Corynebacteriales; Mycobacteriaceae; Mycobacterium; Mycobacterium tuberculosis complex; Mycobacterium tuberculosis; Mycobacterium tuberculosis H37Rv

UdeM00000044059 83332 427.9 UdeM00000044059 NP_216554.1 82.2 264 47
0 1 264 92 355 9.20E-117 427.9 83332 cellular
organisms; Bacteria; Terrabacteria
group; Actinobacteria; Actinomycetia; Corynebacteriales; Mycobacteriaceae; Mycobacterium; Mycobacterium tuberculosis complex; Mycobacterium tuberculosis; Mycobacterium tuberculosis H37Rv

UdeM00000044060 208964 352.8 UdeM00000044060 NP_251247.1 39.3 544
293 10 24 537 18 554 7.60E-94 352.8 208964
cellular
organisms; Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Pseudomonadaceae; Pseudomonas; Pseudomonas aeruginosa group; Pseudomonas aeruginosa; Pseudomonas aeruginosa PA01

UdeM00000007718 6596 126.7 UdeM00000007718 XP_045181277.1 26.2 390
 199 12 9 325 46 419 5.40E-26 126.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007719 6596 137.1 UdeM00000007719 XP_045181277.1 32.8 256
 155 7 112 355 143 393 4.30E-29 137.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007720 6596 131.7 UdeM00000007720 XP_045181277.1 32.5 234
 147 6 99 325 143 372 1.80E-27 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007722 6596 87.8 UdeM00000007722 XP_045177372.1 40.2 102
 56 1 12 108 401 502 1.10E-14 87.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007723 6596 80.5 UdeM00000007723 XP_045202346.1 46.8 77
 41 0 8 84 68 144 1.10E-12 80.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007724 6596 179.1 UdeM00000007724 XP_045183440.1 42.3 239
 106 3 2 211 145 380 7.90E-42 179.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007725 6596 132.1 UdeM00000007725 XP_045181277.1 31.5 260
 141 9 67 304 143 387 1.20E-27 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007726 6596 97.4 UdeM00000007726 XP_045202346.1 41.3 109
 62 1 26 134 36 142 1.50E-17 97.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007728 6596 186 UdeM00000007728 XP_045187052.1 52.6 175
 78 3 2 175 145 315 4.40E-44 186 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007727 6596 187.2 UdeM00000007727 XP_045187052.1 50 188
 89 3 2 188 145 328 2.60E-44 187.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007731 50429 139 UdeM00000007731 XP_022808032.1 50.4 131
 61 2 1 127 556 686 4.20E-30 139 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000007732 151771 81.3 UdeM00000007732 XP_028412660.1 38.2
 131 80 1 2 132 942 1071 1.10E-12 81.3 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000007733 7654 117.9 UdeM00000007733 XP_041481100.1 38.1 147
 88 3 156 302 1460 1603 2.30E-23 117.9 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000007735 6596 78.6 UdeM00000007735 XP_045176094.1 59.7 62
 25 0 58 119 108 169 9.80E-12 78.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007736 6596 78.6 UdeM00000007736 XP_045176094.1 59.7 62
 25 0 14 75 108 169 7.60E-12 78.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007737 6596 155.6 UdeM00000007737 XP_045181277.1 34.3 280
 158 9 19 285 106 372 1.00E-34 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007738 6596 97.1 UdeM00000007738 XP_045192683.1 55.4 83
 37 0 1 83 199 281 1.20E-17 97.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007739 6596 133.7 UdeM00000007739 XP_045181277.1 35.8 201
 122 5 17 214 176 372 4.00E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007740 6596 164.5 UdeM00000007740 XP_045192683.1 42.7 232
 123 2 34 257 52 281 1.80E-37 164.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007741 6579 78.6 UdeM00000007741 XP_033739131.1 46.4 69
37 0 14 82 1118 1186 4.20E-12 78.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007742 6596 184.1 UdeM00000007742 XP_045192683.1 42.2 249
123 5 18 251 39 281 2.20E-43 184.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007743 6596 182.2 UdeM00000007743 XP_045192683.1 44.5 245
101 6 19 240 49 281 7.90E-43 182.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007744 6596 346.3 UdeM00000007744 XP_045212389.1 44.9 365
191 6 54 415 61 418 5.50E-92 346.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007746 6573 219.9 UdeM00000007746 XP_021377528.1 66.2 157
53 0 1 157 18 174 2.30E-54 219.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007748 6565 629 UdeM00000007748 XP_022328027.1 84.1 383
59 1 1 381 174 556 3.90E-177 629 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007747 6565 927.2 UdeM00000007747 XP_022328027.1 85.4 556
79 1 1 554 1 556 1.00E-266 927.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007749 29159 254.2 UdeM00000007749 XP_034303596.1 89.5 143
15 0 19 161 24 166 1.10E-64 254.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007750 225164 76.3 UdeM00000007750 XP_009063340.1 60
60 24 0 4 63 28 87 1.70E-11 76.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000007751 29159 292.4 UdeM00000007751 XP_034333743.1 67.5 209
 68 0 47 255 86 294 5.80E-76 292.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007752 6596 328.6 UdeM00000007752 XP_045177776.1 38.7 475
 271 10 1 470 405 864 2.10E-86 328.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007753 6596 78.2 UdeM00000007753 XP_045179120.1 53.8 65
 29 1 1 65 1 64 4.50E-12 78.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007754 6596 81.6 UdeM00000007754 XP_045179120.1 53.7 67
 30 1 1 67 1 66 6.40E-13 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007757 6596 166.8 UdeM00000007757 XP_045194272.1 61.3 142
 54 1 3 144 23 163 2.10E-38 166.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007758 1735272 88.6 UdeM00000007758 XP_041361245.1 56
 75 33 0 123 197 217 291 1.00E-14 88.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007759 6596 87.4 UdeM00000007759 XP_045182578.1 50.6 79
 39 0 121 199 214 292 2.20E-14 87.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007761 29159 219.9 UdeM00000007761 XP_034339165.1 37.7 334
 194 8 1 331 186 508 4.70E-54 219.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007762 29159 502.3 UdeM00000007762 XP_034299474.1 43.6 610
 328 8 94 696 155 755 1.00E-138 502.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007765 6579 177.2 UdeM00000007765 XP_033744238.1 37.2 331
 161 10 329 649 133 426 7.10E-41 177.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000007767 30019 58.9 UdeM00000007767 XP_017846261.1 34.5 139
74 5 1 132 168 296 5.60E-06 58.9 30019 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Eremoneura; Cyclorrhapha; Schizophora; Acalyptratae; Ephydroidea; Drosophilidae; Drosophilinae; Drosophilini; Drosophila; Dorsilopha; Drosophila busckii

UdeM00000007768 1735272 153.7 UdeM00000007768 XP_041361243.1 49
198 89 5 18 205 81 276 3.10E-33 153.7 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis

UdeM00000007769 29159 180.3 UdeM00000007769 XP_019926413.2 81.8 110
18 2 1 108 97 206 1.40E-42 180.3 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000007770 29159 369.4 UdeM00000007770 XP_019926413.2 83.6 219
35 1 1 219 292 509 3.40E-99 369.4 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000007771 7574 97.8 UdeM00000007771 XP_013401704.1 46.4 84
45 0 17 100 748 831 8.50E-18 97.8 7574 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000007773 45264 198.4 UdeM00000007773 XP_044165143.1 76.9 117
27 0 1 117 217 333 5.30E-48 198.4 45264 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora millepora

UdeM00000007775 6565 281.2 UdeM00000007775 XP_022303385.1 44.9 303
155 7 29 322 547 846 1.70E-72 281.2 6565 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000007776 6565 108.2 UdeM00000007776 XP_022321940.1 26 292
199 7 31 312 399 683 1.90E-20 108.2 6565 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000037872 1735272 126.3 UdeM00000037872 XP_041371877.1 82.1
67 12 0 2 68 952 1018 1.60E-26 126.3 1735272

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis

UdeM00000037873 6596 402.5 UdeM00000037873 XP_045156903.1 39.4 872
512 2 88 957 1981 2838 1.60E-108 402.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037874 6596 357.1 UdeM00000037874 XP_045156903.1 38.2 872
388 10 3967 4831 1155 1882 3.60E-94 357.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037875 37621 186.4 UdeM00000037875 XP_014673010.1 52.3 176
81 2 3 176 363 537 3.50E-44 186.4 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000037876 1735272 975.7 UdeM00000037876 XP_041372967.1 79.1
728 125 10 1 715 1 714 3.20E-281 975.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037877 1735272 956.1 UdeM00000037877 XP_041372967.1 77.7
726 146 7 1 722 1 714 2.60E-275 956.1 1735272

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037878 6596 1127.1 UdeM00000037878 XP_045216647.1 62
1091 388 10 1 1081 1 1074 0.00E+00 1127.1 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037879 6565 1119.4 UdeM00000037879 XP_022332341.1 48.5
1207 614 5 28 1232 62 1262 0.00E+00 1119.4 6565

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037880 6596 356.3 UdeM00000037880 XP_045215300.1 55.2 335
144 2 22 351 1504 1837 5.70E-95 356.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037881 1735272 205.7 UdeM00000037881 XP_041373245.1 45.8
216 103 3 23 225 44 258 6.30E-50 205.7 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037882 1735272 205.7 UdeM00000037882 XP_041373245.1 45.8
216 103 3 72 274 44 258 7.70E-50 205.7 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000037883 6596 476.5 UdeM00000037883 XP_045215300.1 51.2 488
235 2 8 495 1835 2319 4.30E-131 476.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037884 6596 723.8 UdeM00000037884 XP_045215300.1 51.6 733
301 3 24 702 2322 3054 2.10E-205 723.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037885 6596 3783 UdeM00000037885 XP_045215300.1 52.2 3770
1310 10 13 3769 3054 6344 0.00E+00 3783 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037886 29159 631.3 UdeM00000037886 XP_011453961.2 50.7 598
291 3 18 611 28 625 1.30E-177 631.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037887 6579 161 UdeM00000037887 XP_033750444.1 59.5 131
51 2 31 161 36 164 1.30E-36 161 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037888 6596 191 UdeM00000037888 XP_045156705.1 97.4 78
2 0 4 81 24 101 5.90E-46 191 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037889 6596 334.7 UdeM00000037889 XP_045156707.1 30.3 801
477 20 5 764 27 787 3.90E-88 334.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037890 6596 434.9 UdeM00000037890 XP_045215244.1 67.3 330
106 2 9 336 5 334 1.00E-118 434.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037891 1735272 392.9 UdeM00000037891 XP_041367886.1 72.3
267 72 1 106 372 115 379 4.60E-106 392.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037892 1735272 92 UdeM00000037892 XP_041367886.1 63
73 25 1 106 178 115 185 8.70E-16 92 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037894 6579 452.2 UdeM00000037894 XP_033750186.1 75.2 282
69 1 8 289 95 375 6.00E-123 452.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037896 29159 216.9 UdeM00000037896 XP_011450518.2 59.3 172
70 0 147 318 58 229 1.50E-52 216.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037898 29159 170.6 UdeM00000037898 XP_011450518.2 39.7 277
150 4 1 271 1 266 4.80E-39 170.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037897 29159 170.6 UdeM00000037897 XP_011450518.2 39.7 277
150 4 1 271 1 266 7.30E-39 170.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037900 29159 159.1 UdeM00000037900 XP_011450518.2 48.2 166
84 1 4 167 63 228 1.90E-35 159.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037901 1735272 273.5 UdeM00000037901 XP_041371855.1 39.7
421 215 7 2 421 1 383 4.60E-70 273.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037902 6573 404.4 UdeM00000037902 XP_021359356.1 70.4 406
115 2 1 405 1 402 1.70E-109 404.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037903 6579 109.4 UdeM00000037903 XP_033751022.1 60 80
32 0 2 81 288 367 2.30E-21 109.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037904 6579 238 UdeM00000037904 XP_033751022.1 67.9 162
52 0 1 162 206 367 8.40E-60 238 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037905 6596 464.2 UdeM00000037905 XP_045156914.1 61.5 364
 132 4 6 364 2578 2938 1.80E-127 464.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037906 6596 3640.1 UdeM00000037906 XP_045156914.1 62.5
 2466 898 15 11 2470 120 2564 0.00E+00 3640.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037907 6596 3618.2 UdeM00000037907 XP_045156914.1 61.8
 2493 887 16 1 2449 93 2564 0.00E+00 3618.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037908 6579 429.9 UdeM00000037908 XP_033725915.1 52.7 419
 193 5 10 426 2 417 3.90E-117 429.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037909 6579 412.9 UdeM00000037909 XP_033725915.1 52.4 410
 190 5 1 408 11 417 4.80E-112 412.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037910 6579 407.1 UdeM00000037910 XP_033725915.1 49.3 418
 207 5 17 432 2 416 2.80E-110 407.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037911 6573 180.6 UdeM00000037911 XP_021365673.1 32.7 269
 177 4 5 273 153 417 2.70E-42 180.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037912 6596 276.9 UdeM00000037912 XP_045216411.1 35.9 429
 259 9 1 428 9 422 5.00E-71 276.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037913 6596 129.8 UdeM00000037913 XP_045216866.1 54.5 290
 107 7 1 284 1 271 5.50E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037914 6565 487.3 UdeM00000037914 XP_022332212.1 57.5 452
 157 9 658 1102 590 1013 5.30E-134 487.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037915 6565 627.9 UdeM00000037915 XP_022334577.1 48.3 650
207 4 12 659 8 530 1.50E-176 627.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037916 6579 323.6 UdeM00000037916 XP_033750900.1 56.5 336
135 5 1 327 2 335 3.10E-85 323.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037917 6579 589 UdeM00000037917 XP_033749902.1 77.6 370
81 1 6 373 1 370 4.40E-165 589 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037918 6579 205.7 UdeM00000037918 XP_033746397.1 38.5 265
161 1 1 263 1 265 7.40E-50 205.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037919 54343 113.2 UdeM00000037919 XP_032366298.1 27.9 301
78 3 1 163 184 483 3.20E-22 113.2 54343 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Percoide
i;Percidae;Etheostomatinae;Etheostoma;Oligocephalus;Etheostoma spectabile
UdeM00000037920 6596 224.6 UdeM00000037920 XP_045216171.1 48.1 231
99 2 39 269 35 244 1.80E-55 224.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000023390 176946 65.5 UdeM00000023390 XP_015745591.2 41.2
85 43 2 1 78 2514 2598 5.00E-08 65.5 176946
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Serpentes;Hen
ophidia;Pythonidae;Python;Python bivittatus
UdeM00000023391 6596 228.8 UdeM00000023391 XP_045194118.1 39 372
202 10 41 399 1544 1903 1.20E-56 228.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000023392 6596 3577.7 UdeM00000023392 XP_045189836.1 61.9
3061 1074 32 1 3022 1 3007 0.00E+00 3577.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023393 6596 281.2 UdeM00000023393 XP_045188529.1 52.2 356
103 10 1 302 8 350 1.60E-72 281.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023394 6579 238.4 UdeM00000023394 XP_033757210.1 54.8 263
93 6 58 303 65 318 1.20E-59 238.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023395 6565 232.3 UdeM00000023395 XP_022339812.1 56.1 239
94 7 58 289 59 293 8.00E-58 232.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023396 6565 232.6 UdeM00000023396 XP_022339812.1 56.1 239
94 7 58 289 59 293 6.20E-58 232.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023397 6579 228.4 UdeM00000023397 XP_033757210.1 58.2 244
92 7 48 283 65 306 1.10E-56 228.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023398 218467 87.4 UdeM00000023398 XP_023232316.1 36.2
138 84 2 61 197 64 198 2.30E-14 87.4 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000023401 6596 322.8 UdeM00000023401 XP_045167151.1 33.1 707
438 14 28 725 94 774 1.20E-84 322.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023402 29159 295.8 UdeM00000023402 XP_019922954.2 46.7 347
159 7 18 342 632 974 7.10E-77 295.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023404 29159 335.9 UdeM00000023404 XP_034333436.1 31.7 854
517 22 3 838 73 878 1.60E-88 335.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023405 6579 290.8 UdeM00000023405 XP_033756471.1 44.8 337
173 4 18 342 657 992 2.30E-75 290.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000023406 6945 87.8 UdeM00000023406 XP_040065097.1 29.5 210
117 6 24 207 50 254 1.80E-14 87.8 6945 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
UdeM00000023407 218467 67.8 UdeM00000023407 XP_023219246.1 31.1
132 74 2 47 161 87 218 1.80E-08 67.8 218467
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
UdeM00000023408 6945 87 UdeM00000023408 XP_040065097.1 31.2 170
91 4 59 202 85 254 4.50E-14 87 6945 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
UdeM00000023409 6579 84.3 UdeM00000023409 XP_033727573.1 31.3 179
111 3 28 195 66 243 2.90E-13 84.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000023410 29159 345.1 UdeM00000023410 XP_034333436.1 31.2 901
547 25 36 912 27 878 2.90E-91 345.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023411 29159 297 UdeM00000023411 XP_019922954.2 46.4 347
160 7 18 342 632 974 3.20E-77 297 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023412 6565 349.7 UdeM00000023412 XP_022295767.1 41.6 490
271 10 38 516 43 528 6.50E-93 349.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000023413 6565 133.7 UdeM00000023413 XP_022292556.1 53.4 116
53 1 7 121 61 176 1.70E-28 133.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000023414 29159 347.8 UdeM00000023414 XP_034302097.1 32.7 712
325 13 4 597 188 863 2.80E-92 347.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023416 6573 147.1 UdeM00000023416 XP_021355903.1 25 643
307 14 5 488 67 693 6.60E-32 147.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023417 6596 944.9 UdeM00000023417 XP_045189722.1 51.5 956
 434 12 3 952 6 937 8.00E-272 944.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023418 6596 632.5 UdeM00000023418 XP_045189404.1 69.1 489
 149 1 7 493 47 535 4.60E-178 632.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023419 6565 147.1 UdeM00000023419 XP_022338736.1 35.8 218
 134 4 64 279 261 474 4.00E-32 147.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023420 6596 70.9 UdeM00000023420 XP_045190852.1 33.3 207
 110 8 27 216 465 660 3.60E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023421 6579 684.1 UdeM00000023421 XP_033757509.1 69.1 476
 143 2 75 548 22 495 1.80E-193 684.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023422 7936 90.5 UdeM00000023422 XP_035247672.1 30.7 202
 120 3 4 205 22 203 4.40E-15 90.5 7936 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Anguilliformes;Anguillidae;Anguilla;Anguilla anguilla
 UdeM00000023423 6596 354.4 UdeM00000023423 XP_045190446.1 59 317
 116 5 38 344 5 317 1.70E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023424 6596 640.6 UdeM00000023424 XP_045190456.1 59.3 533
 196 6 40 553 66 596 1.90E-180 640.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023425 29159 86.3 UdeM00000023425 XP_011423601.2 23.6 301
 204 9 29 323 4 284 8.30E-14 86.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023426 6596 692.2 UdeM00000023426 XP_045189100.1 66 664
 179 13 1 659 1 622 6.50E-196 692.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023429 225164 224.6 UdeM00000023429 XP_009052279.1 44.7
284 130 6 1 268 1 273 2.00E-55 224.6 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000023432 6573 196.8 UdeM00000023432 XP_021364000.1 33.3 480
279 14 1 463 1 456 7.00E-47 196.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023433 46514 120.6 UdeM00000023433 XP_038064356.1 33.6 220
141 4 7 226 45 259 3.00E-24 120.6 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvataceae;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000023434 7668 156 UdeM00000023434 XP_798461.5 52.2 134 63
1 236 369 24 156 1.90E-34 156 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000023435 7668 205.7 UdeM00000023435 XP_798461.5 51.6 192 87
2 1 187 14 204 9.00E-50 205.7 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000023436 50429 663.3 UdeM00000023436 XP_022788227.1 35.5 1055
591 26 24 999 30 1074 4.90E-187 663.3 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000023437 6596 271.2 UdeM00000023437 XP_045189601.1 44.9 356
182 3 4 346 22 376 1.90E-69 271.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023438 6596 131.3 UdeM00000023438 XP_045189601.1 52.9 121
55 1 11 131 45 163 1.00E-27 131.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023440 1735272 449.9 UdeM00000023440 XP_041370240.1 61.1
352 131 1 5 350 13 364 3.30E-123 449.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023439 1735272 455.3 UdeM00000023439 XP_041370240.1 60.5
 362 137 1 5 360 13 374 9.30E-125 455.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023441 1735272 705.3 UdeM00000023441 XP_041370245.1 43.2
 907 376 15 23 898 76 874 1.00E-199 705.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023442 1735272 706.4 UdeM00000023442 XP_041370245.1 43.3
 906 375 15 35 909 77 874 4.60E-200 706.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023443 6579 593.6 UdeM00000023443 XP_033757345.1 54.7 547
 171 3 1 545 1 472 2.60E-166 593.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023444 6596 344.7 UdeM00000023444 XP_045188673.1 35.9 496
 312 3 124 618 186 676 2.40E-91 344.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023445 6596 365.2 UdeM00000023445 XP_045188673.1 36.2 497
 309 5 113 607 186 676 1.70E-97 365.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023446 6596 334.7 UdeM00000023446 XP_045188673.1 32.4 612
 385 7 10 612 85 676 2.40E-88 334.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023447 6596 337 UdeM00000023447 XP_045188673.1 32.3 592
 376 5 35 618 102 676 4.90E-89 337 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023448 6596 365.5 UdeM00000023448 XP_045188673.1 36.4 497
 308 5 113 607 186 676 1.30E-97 365.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023449 6596 336.7 UdeM00000023449 XP_045188673.1 32.5 616
 379 7 10 612 85 676 6.40E-89 336.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023450 6596 312.4 UdeM00000023450 XP_045188673.1 38 416
 252 3 8 422 266 676 8.90E-82 312.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023451 6596 362.5 UdeM00000023451 XP_045188673.1 36.2 497
 309 5 113 607 186 676 1.10E-96 362.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023452 6596 393.7 UdeM00000023452 XP_045189606.1 70.7 263
 77 0 1 263 5 267 1.90E-106 393.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023453 6573 168.7 UdeM00000023453 XP_021373558.1 51.7 172
 82 1 8 178 170 341 6.80E-39 168.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023454 6573 256.5 UdeM00000023454 XP_021374592.1 57.6 236
 87 1 5 227 1 236 3.10E-65 256.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023455 6596 672.9 UdeM00000023455 XP_045189092.1 69.6 494
 126 6 4 497 41 510 3.10E-190 672.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023456 6573 316.2 UdeM00000023456 XP_021376429.1 59.3 243
 99 0 17 259 18 260 3.80E-83 316.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023457 6596 317 UdeM00000023457 XP_045189438.1 59.6 277
 112 0 34 310 32 308 2.70E-83 317 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023458 6596 75.9 UdeM00000023458 XP_045207486.1 42.2 83
 47 1 1 82 95 177 5.70E-11 75.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023459 50429 104.8 UdeM00000023459 XP_022783431.1 54.3 94
43 0 1 94 627 720 7.50E-20 104.8 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000023460 29159 136 UdeM00000023460 XP_011451097.2 28.2 369
204 11 1 330 1 347 1.20E-28 136 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023461 70779 68.6 UdeM00000023461 XP_015777172.1 41.1 73
43 0 7 79 65 137 4.80E-09 68.6 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000023462 6596 632.1 UdeM00000023462 XP_045188501.1 76.5 387
91 0 44 430 40 426 5.20E-178 632.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023463 7574 73.6 UdeM00000023463 XP_013393409.1 48.7 76
34 1 19 89 200 275 2.80E-10 73.6 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000023464 1735272 100.9 UdeM00000023464 XP_041370402.1 46.7
107 52 2 12 118 103 204 1.40E-18 100.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023465 1735272 576.2 UdeM00000023465 XP_041369149.1 70.1
391 117 0 1 391 1 391 3.10E-161 576.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023466 6596 371.3 UdeM00000023466 XP_045190075.1 54.3 300
134 1 1 300 1 297 1.30E-99 371.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023467 6596 205.7 UdeM00000023467 XP_045190219.1 62.3 162
57 2 1 158 485 646 4.40E-50 205.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023468 6596 399.1 UdeM00000023468 XP_045190220.1 63.7 322
 109 2 75 388 41 362 6.70E-108 399.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023469 6596 384 UdeM00000023469 XP_045190220.1 66 297
 93 2 75 363 41 337 2.20E-103 384 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023470 6596 230.3 UdeM00000023470 XP_045188559.1 31.2 504
 306 9 1 484 1 483 5.40E-57 230.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023472 6596 276.9 UdeM00000023472 XP_045189058.1 29.4 718
 411 18 1 694 1 646 7.00E-71 276.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023473 6596 272.7 UdeM00000023473 XP_045189058.1 24.4 1215
 613 36 1 1146 1 978 2.10E-69 272.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023474 6596 388.7 UdeM00000023474 XP_045189058.1 26.8 1271
 631 35 1 1202 35 1075 2.80E-104 388.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023475 6579 521.5 UdeM00000023475 XP_033752369.1 38.2 1014
 497 27 3 926 29 1002 2.10E-144 521.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023476 29159 242.3 UdeM00000023476 XP_034329372.1 24.5 1079
 648 25 89 1086 7 999 3.80E-60 242.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023481 6596 239.2 UdeM00000023481 XP_045185723.1 43.1 304
 155 5 7 308 455 742 1.00E-59 239.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023480 6596 458 UdeM00000023480 XP_045188223.1 48.9 454
 228 2 408 861 216 665 2.70E-125 458 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023482 6596 123.2 UdeM00000023482 XP_045206982.1 52.9 104
49 0 4 107 80 183 2.20E-25 123.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023486 6596 239.2 UdeM00000023486 XP_045185723.1 43.1 304
155 5 7 308 455 742 1.00E-59 239.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023485 6596 458 UdeM00000023485 XP_045188223.1 48.9 454
228 2 408 861 216 665 2.70E-125 458 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023487 6596 123.2 UdeM00000023487 XP_045206982.1 52.9 104
49 0 4 107 80 183 2.20E-25 123.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023490 6565 224.2 UdeM00000023490 XP_022317300.1 33.4 401
247 5 6 392 14 408 3.00E-55 224.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023492 6596 306.6 UdeM00000023492 XP_045190922.1 59.2 260
106 0 1 260 163 422 3.00E-80 306.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023493 29159 294.3 UdeM00000023493 XP_011431649.2 50.9 279
128 5 3 279 8 279 1.70E-76 294.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023494 6579 287.7 UdeM00000023494 XP_033756999.1 51.1 272
126 4 10 279 12 278 1.60E-74 287.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023495 6579 308.9 UdeM00000023495 XP_033756999.1 53.7 272
120 3 10 280 12 278 6.50E-81 308.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023496 6596 545.8 UdeM00000023496 XP_045188477.1 62.9 456
 155 7 26 474 27 475 5.40E-152 545.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023498 6596 1019.6 UdeM00000023498 XP_045190725.1 33.8
 3313 1627 63 634 3657 295 3329 9.80E-294 1019.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023499 6596 573.9 UdeM00000023499 XP_045188783.1 82.1 319
 57 0 1 319 1 319 1.20E-160 573.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023500 6565 178.7 UdeM00000023500 XP_022289764.1 72.6 117
 30 2 1 116 1 116 4.20E-42 178.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023501 6565 176.8 UdeM00000023501 XP_022289764.1 72.4 116
 30 2 1 115 2 116 1.60E-41 176.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023502 6596 335.1 UdeM00000023502 XP_045190578.1 69.6 227
 65 2 33 259 43 265 7.90E-89 335.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023503 45264 353.6 UdeM00000023503 XP_044165143.1 55.9 313
 135 3 20 329 161 473 2.80E-94 353.6 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000023505 45264 127.5 UdeM00000023505 XP_044164583.1 49.3 146
 67 3 1 143 130 271 1.40E-26 127.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000023504 1529436 140.6 UdeM00000023504 XP_033095325.1 45.8
 155 82 1 57 209 26 180 3.20E-30 140.6 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000023506 1529436 173.7 UdeM00000023506 XP_033095325.1 49.7
 171 84 1 57 225 26 196 2.60E-40 173.7 1529436
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica

UdeM00000023507 1735272 250 UdeM00000023507 XP_041371067.1 32.5
511 334 7 1 506 2 506 6.50E-63 250 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023508 6596 193.4 UdeM00000023508 XP_045191266.1 84.3 121
15 2 160 280 198 314 4.10E-46 193.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023509 6596 62 UdeM00000023509 XP_045191266.1 37.3 102
46 3 16 99 21 122 8.30E-07 62 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023510 6596 165.2 UdeM00000023510 XP_045188238.1 62.3 162
48 4 136 295 166 316 1.20E-37 165.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023511 6596 738 UdeM00000023511 XP_045188471.1 71.7 526
134 5 1 525 3036 3547 8.80E-210 738 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023512 6596 1843.6 UdeM00000023512 XP_045188471.1 63.8
1569 533 15 2 1551 1485 3037 0.00E+00 1843.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023513 6596 443 UdeM00000023513 XP_045188471.1 49.1 584
244 16 1 570 942 1486 6.10E-121 443 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023514 6596 297.4 UdeM00000023514 XP_045188471.1 39.8 565
289 14 1 547 1 532 3.80E-77 297.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023515 6596 263.1 UdeM00000023515 XP_045183440.1 54.2 240
105 3 2 240 145 380 4.30E-67 263.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023516 6596 263.1 UdeM00000023516 XP_045183440.1 54.2 240
105 3 2 240 145 380 4.30E-67 263.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023517 6596 69.7 UdeM00000023517 XP_045202346.1 37.4 91
53 2 25 114 35 122 3.10E-09 69.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023519 6596 599 UdeM00000023519 XP_045191253.1 61.1 475
175 3 1 472 37 504 5.40E-168 599 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023518 6596 645.2 UdeM00000023518 XP_045191253.1 61.7 506
184 3 3 505 6 504 7.00E-182 645.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023520 6596 72 UdeM00000023520 XP_045191040.1 38.5 91
56 0 175 265 238 328 1.30E-09 72 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023521 6596 75.5 UdeM00000023521 XP_045191040.1 37.4 91
57 0 169 259 238 328 1.10E-10 75.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023522 6596 73.9 UdeM00000023522 XP_045191040.1 37.5 88
55 0 171 258 241 328 3.30E-10 73.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023523 6596 74.3 UdeM00000023523 XP_045191040.1 33.6 146
88 3 113 254 185 325 2.50E-10 74.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023524 7741 193 UdeM00000023524 XP_019622111.1 52.2 180
84 2 17 196 101 278 3.70E-46 193 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri

UdeM00000023525 6596 421.4 UdeM00000023525 XP_045197972.1 59.8 321
127 2 6 325 3 322 1.00E-114 421.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023526 6596 166.4 UdeM00000023526 XP_045176664.1 46.9 177
88 4 13 185 393 567 3.50E-38 166.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023527 114398 304.7 UdeM00000023527 XP_015906392.2 39.1
422 250 4 1 420 1 417 2.00E-79 304.7 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000023528 1735272 132.1 UdeM00000023528 XP_041373570.1 52.1
121 58 0 6 126 5 125 5.10E-28 132.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023529 225164 1060.1 UdeM00000023529 XP_009046752.1
68.8 794 248 0 8 801 17 810 1.50E-306 1060.1
225164 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000023530 6596 1865.1 UdeM00000023530 XP_045170889.1 48.7
1911 939 21 340 2228 77 1968 0.00E+00 1865.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023531 6573 745.3 UdeM00000023531 XP_021358192.1 47.7 841
407 17 1 825 1977 2800 8.10E-212 745.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023532 6573 792.3 UdeM00000023532 XP_021358192.1 47.8 901
441 15 7 893 1918 2803 6.20E-226 792.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023533 6596 2074.7 UdeM00000023533 XP_045170890.1 50.6
2055 930 19 1 2025 1 1999 0.00E+00 2074.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023534	6596	1089.7	UdeM00000023534	XP_045170890.1	61.8				
828	314	1	5	832	1999	2824	0.00E+00	1089.7	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023536	6596	312.8	UdeM00000023536	XP_045174044.1	37.9	485			
271	11	11	477	7	479	7.90E-82	312.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023535	6596	961.8	UdeM00000023535	XP_045174045.1	52.7	1011			
429	21	11	988	7	1001	6.50E-277	961.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023537	6579	89.7	UdeM00000023537	XP_033732752.1	39.2	148			
74	6	220	362	216	352	8.30E-15	89.7	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023538	6596	90.9	UdeM00000023538	XP_045168532.1	32.2	177			
105	3	234	410	46	207	4.20E-15	90.9	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023539	6573	83.2	UdeM00000023539	XP_021348414.1	31	203			
116	6	8	207	23	204	4.50E-13	83.2	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023540	6579	81.3	UdeM00000023540	XP_033732751.1	37	146			
79	6	9	149	226	363	1.30E-12	81.3	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023545	6579	144.1	UdeM00000023545	XP_033748699.1	51.4	177			
69	5	14	181	17	185	2.20E-31	144.1	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023544	6596	299.3	UdeM00000023544	XP_045171445.1	83.4	181			
29	1	1	180	1	181	4.10E-78	299.3	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023546 1735272 572.4 UdeM00000023546 XP_041348257.1 79.2
336 67 1 10 342 4 339 3.90E-160 572.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023547 400727 490 UdeM00000023547 XP_025091190.1 82.9
269 46 0 1 269 68 336 2.00E-135 490 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000023548 6596 492.7 UdeM00000023548 XP_045170916.1 70.8 332
87 4 34 360 51 377 5.60E-136 492.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023549 6596 978.8 UdeM00000023549 XP_045171420.1 54.3 899
332 13 118 982 132 985 5.30E-282 978.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023550 6596 193.7 UdeM00000023550 XP_045177053.1 42.2 244
129 6 114 350 193 431 3.90E-46 193.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023551 29159 152.1 UdeM00000023551 XP_034310219.1 32.1 352
208 13 459 803 268 595 3.00E-33 152.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023552 29159 220.7 UdeM00000023552 XP_034337829.1 89.4 132
14 0 1 132 1 132 1.10E-54 220.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023553 6596 478.8 UdeM00000023553 XP_045170652.1 80.4 291
55 1 1 291 1 289 5.00E-132 478.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023554 6596 395.6 UdeM00000023554 XP_045197399.1 59.9 314
126 0 1 314 1 314 5.90E-107 395.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023556 1735272 647.9 UdeM00000023556 XP_041348893.1 74.1
 397 103 0 1 397 1 397 1.10E-182 647.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023557 6596 154.1 UdeM00000023557 XP_045172863.1 63.7 102
 37 0 5 106 4 105 1.00E-34 154.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023558 29159 201.8 UdeM00000023558 XP_011444790.1 72.3 130
 34 1 57 184 76 205 7.50E-49 201.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023559 1735272 273.1 UdeM00000023559 XP_041367923.1 56.3
 229 98 1 1 229 46 272 5.70E-70 273.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023560 29159 74.3 UdeM00000023560 XP_019926413.2 42 69
 40 0 1 69 153 221 7.60E-11 74.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023562 6596 150.6 UdeM00000023562 XP_045172863.1 61.8 102
 39 0 5 106 4 105 1.10E-33 150.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023563 6573 365.5 UdeM00000023563 XP_021346288.1 62.2 288
 85 2 1 288 1 264 6.10E-98 365.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023564 6579 396 UdeM00000023564 XP_033747923.1 56.4 362
 154 2 1 362 1 358 5.50E-107 396 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023565 1735272 148.7 UdeM00000023565 XP_041350324.1 46.3
 175 79 3 1 167 16 183 7.80E-33 148.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023566 1735272 167.9 UdeM00000023566 XP_041350324.1 47.9
 190 84 3 1 182 1 183 1.30E-38 167.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000023567 6596 275.8 UdeM00000023567 XP_045170696.1 39.1 603
255 20 1 566 1 528 1.30E-70 275.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000023569 29159 199.5 UdeM00000023569 XP_034338217.1 72.3 130
35 1 1 130 595 723 2.60E-48 199.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023568 6596 1100.9 UdeM00000023568 XP_045172714.1 72.2
712 195 2 19 728 16 726 0.00E+00 1100.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000023570 6565 300.8 UdeM00000023570 XP_022340977.1 83.8 167
27 0 1 167 1 167 1.10E-78 300.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000023571 29159 265.8 UdeM00000023571 XP_034324494.1 45.8 321
167 4 12 328 252 569 7.60E-68 265.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023572 29159 218 UdeM00000023572 XP_034324494.1 54.6 207
93 1 12 217 252 458 1.60E-53 218 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023573 6573 283.9 UdeM00000023573 XP_021360672.1 37.1 396
229 7 12 388 13 407 3.10E-73 283.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000023574 6596 551.6 UdeM00000023574 XP_045172568.1 70.8 356
103 1 1 356 1 355 7.50E-154 551.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000023575 6596 485 UdeM00000023575 XP_045172568.1 62.1 356
134 1 3 358 1 355 8.70E-134 485 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000023576 6596 441.8 UdeM00000023576 XP_045172568.1 68.9 289
90 0 1 289 67 355 6.80E-121 441.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023577 6596 672.5 UdeM00000023577 XP_045172811.1 64.4 562
176 8 80 620 127 685 5.10E-190 672.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023578 6573 1008.4 UdeM00000023578 XP_021375644.1 56
1069 463 3 1 1067 1 1064 6.70E-291 1008.4 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023579 6573 1084.3 UdeM00000023579 XP_021375638.1 50
1161 540 11 344 1476 44 1191 0.00E+00 1084.3 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023580 6596 397.1 UdeM00000023580 XP_045171678.1 60.3 340
127 4 1 337 1 335 2.20E-107 397.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023581 6565 302 UdeM00000023581 XP_022342998.1 87.9 198
20 2 4 201 3 196 7.00E-79 302 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023582 50390 360.1 UdeM00000023582 XP_028154228.1 55.8 267
114 1 2 264 340 606 2.40E-96 360.1 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera

UdeM00000023583 1735272 63.2 UdeM00000023583 XP_041347447.1 46.7
60 32 0 71 130 38 97 3.80E-07 63.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023584 6573 256.1 UdeM00000023584 XP_021373211.1 32.5 495
319 7 119 608 550 1034 1.10E-64 256.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023585 6596 295.8 UdeM00000023585 XP_045171284.1 90.6 160
15 0 1 160 45 204 3.30E-77 295.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023586 6596 287.3 UdeM00000023586 XP_045171195.1 51.4 383
177 3 1 379 1 378 2.80E-74 287.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023587 6596 299.3 UdeM00000023587 XP_045171191.1 49.9 415
196 4 1 405 1 413 7.90E-78 299.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023588 29159 788.9 UdeM00000023588 XP_034338517.1 69.4 581
137 3 1 581 1049 1588 4.50E-225 788.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostracida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023589 6596 902.9 UdeM00000023589 XP_045171259.1 54.6 1004
292 27 3 880 2 967 3.70E-259 902.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023590 6596 262.7 UdeM00000023590 XP_045171124.1 48.2 334
153 5 11 333 10 334 6.40E-67 262.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023591 6596 157.5 UdeM00000023591 XP_045171799.1 66 103
35 0 3 105 315 417 9.20E-36 157.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023592 6596 111.3 UdeM00000023592 XP_045171801.1 43 149
70 3 161 299 123 266 2.20E-21 111.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023593 6596 418.3 UdeM00000023593 XP_045171800.1 66.7 312
97 2 4 314 3 308 8.60E-114 418.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023594 6573 227.6 UdeM00000023594 XP_021374761.1 75 128
32 0 12 139 5 132 9.70E-57 227.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000023595 6573 373.6 UdeM00000023595 XP_021374724.1 80 240
47 1 1 239 1 240 1.90E-100 373.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000023596 6573 273.1 UdeM00000023596 XP_021374724.1 84.6 162
24 1 1 161 1 162 2.30E-70 273.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000023597 6596 128.3 UdeM00000023597 XP_045175390.1 37.6 205
113 6 106 297 185 387 1.70E-26 128.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023598 6596 109.8 UdeM00000023598 XP_045175390.1 45.1 133
70 2 6 137 257 387 2.90E-21 109.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023599 6596 126.3 UdeM00000023599 XP_045175390.1 34.2 269
159 7 56 312 125 387 6.80E-26 126.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023601 6596 122.1 UdeM00000023601 XP_045175390.1 32.3 316
187 11 12 307 79 387 1.30E-24 122.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023602 6596 124 UdeM00000023602 XP_045175390.1 33.2 268
152 8 18 274 136 387 2.90E-25 124 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023603 6596 146.7 UdeM00000023603 XP_045171683.1 41.1 202
112 5 4 203 2 198 4.30E-32 146.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023604 29159 102.4 UdeM00000023604 XP_034315421.1 51.8 114
48 3 3 112 364 474 3.80E-19 102.4 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000023605 29159 161.4 UdeM00000023605 XP_034318948.1 72.9 96
 26 0 1 96 374 469 5.90E-37 161.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023606 29159 375.6 UdeM00000023606 XP_034319609.1 41.6 473
 140 2 1 337 482 954 6.90E-101 375.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023607 6596 117.9 UdeM00000023607 XP_045175388.1 43.2 139
 77 2 175 312 251 388 2.40E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023608 6596 117.9 UdeM00000023608 XP_045175388.1 43.2 139
 77 2 137 274 251 388 2.10E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023609 6596 164.1 UdeM00000023609 XP_045171683.1 42.2 199
 107 3 8 199 7 204 2.50E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023610 6596 152.1 UdeM00000023610 XP_045171683.1 40.6 202
 114 4 8 207 7 204 1.00E-33 152.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023611 6596 61.2 UdeM00000023611 XP_045209009.1 37 92
 51 3 27 112 12 102 1.80E-06 61.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023612 6573 123.6 UdeM00000023612 XP_021354173.1 39.5 185
 106 5 1 182 1 182 3.20E-25 123.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023613 6596 119.8 UdeM00000023613 XP_045172473.1 40.4 178
 97 4 7 181 6 177 4.50E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023614 6596 152.1 UdeM00000023614 XP_045171683.1 45.3 181
 92 5 5 183 32 207 9.20E-34 152.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023615 6573 207.2 UdeM00000023615 XP_021342392.1 27.3 933
522 24 15 873 10 860 8.60E-50 207.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023616 29159 394 UdeM00000023616 XP_034298998.1 47.6 466
191 7 6 419 135 599 2.30E-106 394 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023617 6573 167.2 UdeM00000023617 XP_021378264.1 57 151
59 2 1 145 509 659 1.60E-38 167.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023618 1735272 232.6 UdeM00000023618 XP_041350169.1 65.5
177 55 2 14 184 13 189 3.90E-58 232.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023619 1735272 250.8 UdeM00000023619 XP_041350169.1 69.7
178 52 2 14 190 13 189 1.40E-63 250.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023620 29159 185.3 UdeM00000023620 XP_034298998.1 59.3 167
65 1 30 193 433 599 7.60E-44 185.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023621 29159 270.8 UdeM00000023621 XP_034298998.1 46.1 317
153 4 1 300 125 440 2.20E-69 270.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023622 6565 384.8 UdeM00000023622 XP_022335717.1 45.9 377
196 5 940 1314 1195 1565 4.40E-103 384.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023625 6596 211.8 UdeM00000023625 XP_045171930.1 40.7 236
138 1 4 237 697 932 9.40E-52 211.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023626 6596 478.8 UdeM00000023626 XP_045171930.1 32.6 932
519 14 7 838 10 932 1.40E-131 478.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023627 6596 117.1 UdeM00000023627 XP_045173872.1 71.8 71
20 0 1 71 18 88 1.10E-23 117.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023629 7574 309.3 UdeM00000023629 XP_013381563.1 47.7 342
162 7 1 332 60 394 6.20E-81 309.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000023630 10224 112.8 UdeM00000023630 XP_006816668.1 35.5 169
106 2 40 208 291 456 7.60E-22 112.8 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000023631 29159 112.1 UdeM00000023631 XP_034305965.1 43.2 111
63 0 53 163 63 173 7.50E-22 112.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023632 29159 115.5 UdeM00000023632 XP_034305965.1 42.6 115
66 0 53 167 63 177 6.40E-23 115.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023633 29159 112.1 UdeM00000023633 XP_034305965.1 43.2 111
63 0 53 163 63 173 7.60E-22 112.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023634 7574 308.1 UdeM00000023634 XP_013381563.1 44.1 365
182 8 62 411 55 412 1.60E-80 308.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000023635 6596 544.7 UdeM00000023635 XP_045171251.1 45.7 788
376 17 3 780 4 749 2.00E-151 544.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023636 6596 253.8 UdeM00000023636 XP_045172696.1 32.6 487
242 12 21 438 21 490 3.90E-64 253.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023637 6579 490.3 UdeM00000023637 XP_033747378.1 56.3 481
167 10 2 453 3 469 5.30E-135 490.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000023638 6596 156.4 UdeM00000023638 XP_045172783.1 51.4 140
68 0 56 195 52 191 3.80E-35 156.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000023640 6596 219.2 UdeM00000023640 XP_045173266.1 35.7 311
185 6 10 319 12 308 7.80E-54 219.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000023641 1735272 531.9 UdeM00000023641 XP_041348019.1 57
433 183 2 40 472 1 430 8.00E-148 531.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000023642 29159 131.3 UdeM00000023642 XP_034337601.1 50.9 116
48 3 14 120 8 123 8.20E-28 131.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023643 6596 446.4 UdeM00000023643 XP_045172121.1 45.7 588
271 11 8 560 113 687 5.70E-122 446.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000023644 6596 132.9 UdeM00000023644 XP_045163627.1 25.4 480
323 13 59 519 507 970 1.60E-27 132.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000023645 6596 117.5 UdeM00000023645 XP_045162069.1 22.9 733
494 23 4 698 282 981 7.60E-23 117.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000023646 33528 134.4 UdeM00000023646 XP_043957434.1 45.3 139
75 1 1 139 247 384 1.10E-28 134.4 33528 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoides;Poeciliidae;Poeciliinae;Gambusia;Gambusia affinis
UdeM00000023647 29159 292.7 UdeM00000023647 XP_034334268.1 62.6 211
76 1 32 242 1 208 4.20E-76 292.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000041679 6596 763.1 UdeM00000041679 XP_045201368.1 52.4 825
362 10 4 815 3 809 4.40E-217 763.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000041681 6596 429.1 UdeM00000041681 XP_045201815.1 37.4 708
409 12 14 707 17 704 1.30E-116 429.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000041682 6596 423.7 UdeM00000041682 XP_045201815.1 37.1 712
412 15 14 710 17 707 5.40E-115 423.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000041683 6596 73.9 UdeM00000041683 XP_045170001.1 47.5 101
48 3 1 98 242 340 3.30E-10 73.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000041684 6596 146 UdeM00000041684 XP_045201815.1 36.3 259
150 6 4 259 261 507 7.10E-32 146 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000041686 6596 118.2 UdeM00000041686 XP_045201815.1 37.6 181
88 3 1 172 166 330 1.10E-23 118.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000041688 6596 436.4 UdeM00000041688 XP_045201815.1 38.2 725
408 14 14 723 17 716 8.10E-119 436.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000041689 6596 442.2 UdeM00000041689 XP_045201815.1 38.6 725
405 14 14 723 17 716 1.50E-120 442.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000041690 6596 438 UdeM00000041690 XP_045201815.1 38.8 706
399 12 14 704 17 704 2.80E-119 438 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041691 6573 263.8 UdeM00000041691 XP_021380242.1 55.3 282
112 6 1 279 1 271 2.40E-67 263.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041692 6579 179.5 UdeM00000041692 XP_033732123.1 56.5 138
60 0 15 152 3 140 3.50E-42 179.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041693 1735272 510 UdeM00000041693 XP_041368427.1 43.5
545 283 6 16 544 32 567 4.10E-141 510 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041694 1735272 287 UdeM00000041694 XP_041368427.1 38.7
331 181 4 3 317 243 567 3.40E-74 287 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041696 6579 580.5 UdeM00000041696 XP_033732123.1 49.1 534
253 5 20 542 13 538 2.80E-162 580.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041697 6579 438.7 UdeM00000041697 XP_033732123.1 45.9 460
232 7 4 455 88 538 9.80E-120 438.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041698 6579 584.7 UdeM00000041698 XP_033732123.1 49.1 538
260 5 10 539 6 537 1.30E-163 584.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041699 6579 601.7 UdeM00000041699 XP_033732123.1 49.8 544
259 6 10 545 6 543 1.00E-168 601.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041700 64144 199.9 UdeM00000041700 XP_026225028.1 34.2 292
172 3 202 477 5 292 7.30E-48 199.9 64144 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Anabantaria;Anabantiformes;Anabantoidae;Anabantidae;Anabas;Anabas testudineus

UdeM00000041701 6596 661.8 UdeM00000041701 XP_045204505.1 74.8 405
 102 0 4 408 17 421 5.90E-187 661.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041702 29159 87.4 UdeM00000041702 XP_034331441.1 47.8 90
 45 2 1 89 722 810 9.90E-15 87.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041703 29159 133.7 UdeM00000041703 XP_034331441.1 46 139
 72 3 1 138 674 810 1.90E-28 133.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041705 6596 58.2 UdeM00000041705 XP_045199492.1 31.1 106
 69 3 21 123 97 201 8.90E-06 58.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041706 6596 58.5 UdeM00000041706 XP_045208321.1 27.2 114
 67 3 67 173 137 241 9.60E-06 58.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041708 6596 123.2 UdeM00000041708 XP_045194453.1 34.1 211
 128 5 1 204 56 262 3.80E-25 123.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041709 6596 118.6 UdeM00000041709 XP_045194453.1 33.2 196
 120 5 1 189 56 247 8.50E-24 118.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041710 6573 176.8 UdeM00000041710 XP_021356708.1 60.4 144
 55 1 4 145 6 149 2.10E-41 176.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041711 400727 164.5 UdeM00000041711 XP_025111853.1 58.9
 146 59 1 7 152 8 152 1.10E-37 164.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000041712 6565 953.4 UdeM00000041712 XP_022324969.1 68 716
 201 7 7 710 3 702 1.70E-274 953.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041713 6579 330.9 UdeM00000041713 XP_033730706.1 38.1 533
240 8 2 532 12 456 3.10E-87 330.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000041714 6565 142.5 UdeM00000041714 XP_022321863.1 33.7 279
159 11 78 348 275 535 1.10E-30 142.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041715 6596 67 UdeM00000041715 XP_045171512.1 24.6 260
161 12 39 289 403 636 4.70E-08 67 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025567 29159 302.4 UdeM00000025567 XP_034303860.1 41.2 393
160 7 11 342 110 492 7.50E-79 302.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025568 29159 125.9 UdeM00000025568 XP_011451530.1 48.3 116
58 2 45 158 96 211 4.40E-26 125.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025570 6596 117.9 UdeM00000025570 XP_045205318.1 32 281
162 10 1 257 1 276 2.00E-23 117.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025571 50429 167.2 UdeM00000025571 XP_022807755.1 53.5 159
71 2 2 160 5 160 1.90E-38 167.2 50429 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata
UdeM00000025572 6573 282.3 UdeM00000025572 XP_021346251.1 54.6 249
109 2 1 249 1 245 5.90E-73 282.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000025573 6579 543.1 UdeM00000025573 XP_033743925.1 64.5 408
143 1 19 426 27 432 3.10E-151 543.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000025574 6596 84.3 UdeM00000025574 XP_045158901.1 48.1 81
41 1 1 80 10 90 7.50E-14 84.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025575 6596 405.2 UdeM00000025575 XP_045187150.1 45.1 477
 226 5 1 449 135 603 1.10E-109 405.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025576 29159 301.2 UdeM00000025576 XP_011426907.2 55 309
 107 9 10 301 9 302 4.20E-78 301.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025577 6596 862.8 UdeM00000025577 XP_045204260.1 63.6 681
 229 11 25 694 111 783 2.90E-247 862.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025578 6579 149.1 UdeM00000025578 XP_033743043.1 46.7 152
 75 2 1 151 119 265 4.90E-33 149.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025579 6573 592.4 UdeM00000025579 XP_021359067.1 49.3 604
 290 9 1 594 10 607 6.30E-166 592.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025580 6596 308.1 UdeM00000025580 XP_045204011.1 82.4 187
 3 1 1 187 1 157 7.50E-81 308.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018225 6596 788.5 UdeM00000018225 XP_045199770.1 52 777
 322 13 73 837 78 815 8.40E-225 788.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018226 6596 748.4 UdeM00000018226 XP_045199770.1 53 727
 292 12 1 715 127 815 8.20E-213 748.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018227 6596 501.5 UdeM00000018227 XP_045199771.1 36.3 1836
 799 54 1 1633 31 1699 4.70E-138 501.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018228 6579 229.9 UdeM00000018228 XP_033758968.1 24.6 679
 467 14 15 670 14 670 9.60E-57 229.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018229 6596 595.9 UdeM00000018229 XP_045200069.1 78.3 374
 76 3 1 370 1 373 3.70E-167 595.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018230 29159 142.9 UdeM00000018230 XP_011450416.1 68 103
 33 0 1 103 381 483 2.40E-31 142.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018232 29159 547 UdeM00000018232 XP_011450418.2 75.1 354
 87 1 24 376 54 407 1.90E-152 547 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018234 6596 632.1 UdeM00000018234 XP_045201105.1 70.3 481
 115 8 1 465 1 469 5.60E-178 632.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018235 1735272 200.3 UdeM00000018235 XP_041351430.1 70.1
 134 36 2 9 139 18 150 1.60E-48 200.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018236 6596 604.7 UdeM00000018236 XP_045200638.1 44.3 778
 181 7 2 702 155 757 1.40E-169 604.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018237 29159 240.7 UdeM00000018237 XP_011412587.1 78 223
 40 2 1 220 1 217 1.70E-60 240.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018239 1735272 228 UdeM00000018239 XP_041356261.1 59
 217 76 4 11 227 27 230 1.90E-56 228 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018240 6579 510.8 UdeM00000018240 XP_033760964.1 70.5 359
 88 4 85 441 250 592 1.80E-141 510.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018241 6596 1229.2 UdeM00000018241 XP_045199640.1 57.1
1148 428 15 37 1156 21 1132 0.00E+00 1229.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018242 29159 90.9 UdeM00000018242 XP_011453058.2 26.5 245
165 7 44 276 67 308 2.80E-15 90.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018243 6596 159.8 UdeM00000018243 XP_045174908.1 40 235
136 3 153 387 340 569 6.90E-36 159.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018244 6596 158.7 UdeM00000018244 XP_045174908.1 40.4 235
135 3 153 387 340 569 1.50E-35 158.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018245 6596 155.6 UdeM00000018245 XP_045174908.1 42 231
125 5 161 387 344 569 1.30E-34 155.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018247 6596 135.6 UdeM00000018247 XP_045174908.1 45.1 175
91 3 2 176 400 569 6.40E-29 135.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018248 6596 418.7 UdeM00000018248 XP_045201065.1 63.1 317
115 1 1 317 1 315 6.60E-114 418.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018249 6596 109.8 UdeM00000018249 XP_045201067.1 26.5 502
273 12 3 430 4 483 1.40E-20 109.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018250 6565 183.7 UdeM00000018250 XP_022297447.1 52.5 158
73 1 1 158 211 366 1.80E-43 183.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018253 6596 207.6 UdeM00000018253 XP_045184729.1 28.8 513
305 10 1 460 193 698 3.40E-50 207.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018254 6596 81.6 UdeM00000018254 XP_045194475.1 39 118
72 0 4 121 3 120 1.00E-12 81.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018255 6596 100.5 UdeM00000018255 XP_045156670.1 33.7 163
107 1 43 205 541 702 2.70E-18 100.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018256 6596 292.7 UdeM00000018256 XP_045199387.1 30.6 722
447 18 6 704 5 695 1.20E-75 292.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018257 6596 138.7 UdeM00000018257 XP_045159530.1 38.8 165
100 1 5 169 226 389 1.30E-29 138.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018258 6596 82 UdeM00000018258 XP_045194475.1 39 118
72 0 4 121 3 120 8.00E-13 82 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018259 6596 122.5 UdeM00000018259 XP_045160626.1 31.5 257
168 3 87 343 442 690 1.10E-24 122.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018260 6596 290.8 UdeM00000018260 XP_045157317.1 30.2 725
455 14 4 704 3 700 4.70E-75 290.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018261 6596 291.2 UdeM00000018261 XP_045199387.1 30.7 720
462 11 6 716 5 696 3.60E-75 291.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018262 6596 284.6 UdeM00000018262 XP_045199387.1 29.9 718
 456 16 6 703 5 695 3.40E-73 284.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018264 6596 290 UdeM00000018264 XP_045202537.1 64.8 386
 122 8 1 380 1320 1697 6.20E-75 290 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018263 6579 2232.6 UdeM00000018263 XP_033759998.1 65.3
 1765 575 21 1 1752 1 1740 0.00E+00 2232.6 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018265 6579 237.7 UdeM00000018265 XP_033761214.1 52.8 216
 101 1 1 215 1 216 1.40E-59 237.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018266 6596 147.5 UdeM00000018266 XP_045164042.1 55 131
 58 1 178 308 107 236 2.80E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018267 6596 104.4 UdeM00000018267 XP_045157086.1 93.9 49
 3 0 1 49 19 67 6.70E-20 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018268 6596 443 UdeM00000018268 XP_045157086.1 55.9 442
 135 4 1 440 76 459 4.60E-121 443 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018269 6596 330.5 UdeM00000018269 XP_045157086.1 52.8 360
 110 4 1 358 158 459 2.70E-87 330.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018270 6596 506.5 UdeM00000018270 XP_045157086.1 53.7 495
 190 8 1 492 1 459 3.80E-140 506.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018271 6500 113.2 UdeM00000018271 XP_012942302.1 30.3 304
190 5 5 286 7 310 5.50E-22 113.2 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000018272 225164 376.3 UdeM00000018272 XP_009063422.1 45.2
440 226 7 38 475 1 427 5.90E-101 376.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000018273 6596 160.2 UdeM00000018273 XP_045174734.1 32.8 299
179 8 8 297 11 296 6.00E-36 160.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018274 6573 78.6 UdeM00000018274 XP_021374915.1 33.7 98
65 0 8 105 15 112 7.00E-12 78.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018275 6596 146.4 UdeM00000018275 XP_045201917.1 30.2 262
176 4 8 264 14 273 1.00E-31 146.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018276 6596 146.7 UdeM00000018276 XP_045174734.1 28.6 350
199 10 1 333 4 319 5.60E-32 146.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018277 29159 57.8 UdeM00000018277 XP_034339171.1 34.1 91
57 2 1 91 653 740 9.50E-06 57.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018278 6596 158.3 UdeM00000018278 XP_045174734.1 30 307
187 6 8 303 11 300 2.30E-35 158.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018279 7955 81.6 UdeM00000018279 NP_001092898.1 33.7 163
83 6 1 139 1 162 2.30E-12 81.6 7955 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Danionidae;Danioninae;Danio;Danio rerio

UdeM00000018280 6596 151.4 UdeM00000018280 XP_045174734.1 29.2 305
 205 4 1 302 4 300 2.70E-33 151.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018281 6596 151.4 UdeM00000018281 XP_045174734.1 29.2 305
 205 4 1 302 4 300 2.70E-33 151.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018282 6596 171 UdeM00000018282 XP_045201090.1 61.9 139
 51 2 1 137 1 139 1.00E-39 171 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018284 1735272 98.6 UdeM00000018284 XP_041349006.1 39.5
 114 69 0 358 471 46 159 2.30E-17 98.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018285 6596 547 UdeM00000018285 XP_045201547.1 43.6 615
 332 7 59 668 48 652 3.90E-152 547 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018286 29159 65.5 UdeM00000018286 XP_011412090.2 41 83
 34 2 1 69 222 303 6.40E-08 65.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018287 6596 305.1 UdeM00000018287 XP_045200551.1 69.1 207
 64 0 11 217 1 207 8.10E-80 305.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018288 1735272 198.7 UdeM00000018288 XP_041357818.1 48.4
 219 98 4 4 220 2 207 7.50E-48 198.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018289 6573 470.7 UdeM00000018289 XP_021377752.1 32.7 887
 543 9 4 867 1 856 4.00E-129 470.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018291 6579 475.3 UdeM00000018291 XP_033730327.1 69.5 361
 110 0 1 361 19 379 7.10E-131 475.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018290 6579 486.1 UdeM00000018290 XP_033730327.1 69.4 369
113 0 40 408 11 379 4.50E-134 486.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018292 6526 213.8 UdeM00000018292 XP_013067574.1 82.8 122
21 0 4 125 2 123 1.30E-52 213.8 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000018293 1735272 169.9 UdeM00000018293 XP_041371917.1 39
336 183 7 55 383 99 419 6.60E-39 169.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018294 7668 120.9 UdeM00000018294 XP_003729577.2 32.5 209
88 2 9 168 712 916 1.60E-24 120.9 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000018295 37621 96.3 UdeM00000018295 XP_014678940.1 61.4 70
27 0 1 70 499 568 2.10E-17 96.3 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000018296 37621 98.2 UdeM00000018296 XP_014678940.1 53.3 92
42 1 1 92 499 589 8.30E-18 98.2 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000018297 37621 104 UdeM00000018297 XP_014673981.1 63.2 76
28 0 1 76 76 151 8.70E-20 104 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000018298 6596 192.2 UdeM00000018298 XP_045202462.1 40.6 286
150 7 1 271 151 431 8.70E-46 192.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018299 29159 153.7 UdeM00000018299 XP_034320422.1 71.7 92
26 0 28 119 133 224 1.70E-34 153.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018300 6573 124 UdeM00000018300 XP_021355633.1 48.5 130
66 1 9 137 11 140 2.90E-25 124 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018301 6573 124 UdeM00000018301 XP_021355633.1 48.5 130
66 1 9 137 11 140 2.90E-25 124 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018302 1735272 73.6 UdeM00000018302 XP_041358777.1 27
230 150 6 1 220 1 222 6.10E-10 73.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000018303 1735272 172.6 UdeM00000018303 XP_041356772.1 29.1
385 251 7 24 402 39 407 1.10E-39 172.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000018304 6565 282.7 UdeM00000018304 XP_022290234.1 53.6 248
109 3 26 273 44 285 5.00E-73 282.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018305 6596 427.2 UdeM00000018305 XP_045201850.1 29.1 1103
695 37 67 1123 7 1068 6.90E-116 427.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018306 6573 414.1 UdeM00000018306 XP_021349077.1 40.5 560
322 3 11 560 96 654 2.90E-112 414.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018307 6573 413.3 UdeM00000018307 XP_021371609.1 47.4 454
224 1 12 450 14 467 4.00E-112 413.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018308 6573 206.5 UdeM00000018308 XP_021349207.1 36.3 325
189 9 68 380 101 419 6.30E-50 206.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018309 6573 108.2 UdeM00000018309 XP_021371608.1 54.3 105
48 0 12 116 14 118 7.10E-21 108.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018310 29159 207.2 UdeM00000018310 XP_034332822.1 39 310
163 8 100 400 119 411 4.00E-50 207.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018311 1735272 323.9 UdeM00000018311 XP_041374187.1 48.1
349 158 9 1 335 1 340 2.40E-85 323.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000018312 6579 164.1 UdeM00000018312 XP_033747958.1 55.9 127
56 0 8 134 18 144 1.40E-37 164.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018313 6579 164.1 UdeM00000018313 XP_033747958.1 55.9 127
56 0 24 150 18 144 1.60E-37 164.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018314 6565 205.7 UdeM00000018314 XP_022294078.1 39.9 296
168 6 100 388 147 439 1.10E-49 205.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018315 6596 479.2 UdeM00000018315 XP_045201087.1 53 432
197 5 1 430 1 428 5.60E-132 479.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018316 6596 410.6 UdeM00000018316 XP_045202300.1 35 738
454 12 1 726 1 724 4.10E-111 410.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018317 29159 212.6 UdeM00000018317 XP_034329879.1 62.3 167
59 2 1 167 3 165 3.80E-52 212.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018318 6596 544.3 UdeM00000018318 XP_045200175.1 52.9 1052
361 24 1 1010 1 959 3.40E-151 544.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018319 6596 278.9 UdeM00000018319 XP_045200175.1 58.9 246
84 7 12 245 964 1204 6.40E-72 278.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018320 6579 435.3 UdeM00000018320 XP_033759836.1 45.6 509
265 4 24 523 108 613 1.10E-118 435.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018321 32264 112.8 UdeM00000018321 XP_015783371.1 26.6 364
227 15 224 570 367 707 1.60E-21 112.8 32264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Acariformes;Trombidiformes;Prostigmata;Eleutherengona;Raphignathae;Tetranychoida;Tetranychidae;Tetranychus;Tetranychus urticae

UdeM00000018322 6579 79 UdeM00000018322 XP_033762031.1 32.4 142
94 2 5 144 384 525 1.00E-11 79 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018323 6596 212.6 UdeM00000018323 XP_045182620.1 39.5 299
170 6 97 389 90 383 9.10E-52 212.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018326 6596 403.7 UdeM00000018326 XP_045170750.1 65.7 283
90 2 7 289 6 281 2.00E-109 403.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018325 6596 512.7 UdeM00000018325 XP_045170750.1 66.1 366
116 3 7 372 6 363 4.00E-142 512.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018327 6596 213 UdeM00000018327 XP_045192227.1 39.7 290
162 6 67 354 159 437 6.20E-52 213 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018328 6596 204.5 UdeM00000018328 XP_045170750.1 66.7 135
45 0 1 135 143 277 9.30E-50 204.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018329 6596 499.6 UdeM00000018329 XP_045170750.1 63.9 371
119 3 9 379 8 363 3.50E-138 499.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018330 400727 176.4 UdeM00000018330 XP_025113942.1 73
111 30 0 1 111 1 111 2.10E-41 176.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000018333 2652724 68.2 UdeM00000018333 XP_020900815.1 54.7
53 24 0 1 53 698 750 9.70E-09 68.2 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000018335 6596 382.1 UdeM00000018335 XP_045201453.1 50.6 389
171 11 23 403 7 382 8.80E-103 382.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018334 6596 381.7 UdeM00000018334 XP_045201453.1 50.6 389
171 11 28 408 7 382 1.20E-102 381.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018336 6596 414.8 UdeM00000018336 XP_045199319.1 80.5 226
44 0 1567 1792 1533 1758 5.40E-112 414.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018338 1735272 197.2 UdeM00000018338 XP_041362472.1 41.4
251 141 3 263 507 68 318 5.70E-47 197.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000018339 6596 395.2 UdeM00000018339 XP_045199317.1 78.9 223
47 0 100 322 1539 1761 8.00E-107 395.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018340 29159 118.6 UdeM00000018340 XP_011419183.2 30.5 200
126 2 26 221 77 267 2.00E-23 118.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018341 6579 134.8 UdeM00000018341 XP_033750238.1 29.5 217
141 3 4 219 52 257 1.30E-28 134.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018342 6579 139.4 UdeM00000018342 XP_033750238.1 30.5 220
141 3 1 219 49 257 5.40E-30 139.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018343 6579 143.3 UdeM00000018343 XP_033750238.1 30.9 223
142 3 45 266 46 257 4.50E-31 143.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018347 6596 377.1 UdeM00000018347 XP_045201156.1 31.3 860
524 16 1 836 32 848 5.80E-101 377.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018348 6596 1453 UdeM00000018348 XP_045202557.1 52.7 1422
556 23 1 1379 1 1348 0.00E+00 1453 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018349 6706 150.2 UdeM00000018349 XP_042235765.1 43.3 157
89 0 1 157 1 157 2.20E-33 150.2 6706 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Astacidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus

UdeM00000018350 6573 356.3 UdeM00000018350 XP_021359188.1 64.4 253
87 1 1 253 1 250 3.50E-95 356.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018351 2607531 543.5 UdeM00000018351 XP_029642003.1 50.2
528 258 4 1 526 112 636 3.00E-151 543.5 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000044396 6573 98.6 UdeM00000044396 XP_021364275.1 50.4 121
52 3 161 277 279 395 1.30E-17 98.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019423 29159 70.9 UdeM00000019423 XP_011412814.1 40.2 102
57 2 5 105 9 107 1.10E-09 70.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019424 29159 316.6 UdeM00000019424 XP_034317111.1 55.8 283
124 1 2 283 171 453 3.20E-83 316.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019425 2652724 58.9 UdeM00000019425 XP_020895639.1 29.2
89 63 0 79 167 73 161 7.20E-06 58.9 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000019426 7574 234.6 UdeM00000019426 XP_013384628.1 47.5 276
119 4 1 260 33 298 1.50E-58 234.6 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000019427 7574 604.7 UdeM00000019427 XP_013382110.1 48.4 603
286 8 1 602 37 615 1.20E-169 604.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000019428 8218 66.6 UdeM00000019428 XP_034081603.1 32.6 138
84 3 63 195 158 291 4.30E-08 66.6 8218 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps

UdeM00000019429 7830 90.1 UdeM00000019429 XP_038646175.1 35.2 125
79 1 1 125 410 532 2.20E-15 90.1 7830 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Carcharhiniformes;Scyliorhinidae;Scyliorhinus;Scyliorhinus canicula

UdeM00000019430 7830 63.2 UdeM00000019430 XP_038646175.1 30.4 102
69 1 3 104 433 532 2.40E-07 63.2 7830 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Carcharhiniformes;Scyliorhinidae;Scyliorhinus;Scyliorhinus canicula

UdeM00000019431 45264 430.3 UdeM00000019431 XP_044179186.1 54.4 386
173 2 36 421 87 469 2.90E-117 430.3 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000019432 6596 1145.6 UdeM00000019432 XP_045162681.1 63.5
937 293 11 7 932 8 906 0.00E+00 1145.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019433 6596 1132.5 UdeM00000019433 XP_045162681.1 61.9
961 293 12 7 956 8 906 0.00E+00 1132.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019434 6596 295.4 UdeM00000019434 XP_045163570.1 73.7 281
69 2 20 300 111 386 1.00E-76 295.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019435 6596 714.1 UdeM00000019435 XP_045161386.1 53.7 1302
 452 28 30 1278 160 1363 3.10E-202 714.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019436 6596 725.7 UdeM00000019436 XP_045161387.1 54.2 1293
 402 27 30 1255 160 1329 1.00E-205 725.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019437 6579 72 UdeM00000019437 XP_033730355.1 30.8 182
 114 7 1 172 1 180 9.00E-10 72 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019440 6596 115.9 UdeM00000019440 XP_045177372.1 29.5 275
 177 9 159 425 273 538 1.20E-22 115.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019441 6596 130.2 UdeM00000019441 XP_045181277.1 34.1 205
 129 5 31 232 124 325 3.60E-27 130.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019442 6596 109.4 UdeM00000019442 XP_045181277.1 30.9 188
 110 6 438 615 142 319 1.70E-20 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019443 6596 145.6 UdeM00000019443 XP_045181277.1 31.9 238
 142 6 4 231 92 319 8.10E-32 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019445 7739 72.8 UdeM00000019445 XP_035659254.1 37.3 126
 74 2 2 124 649 772 3.50E-10 72.8 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000019447 6579 112.5 UdeM00000019447 XP_033728927.1 35.9 156
 88 2 2 156 29 173 1.10E-21 112.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019448 6573 241.5 UdeM00000019448 XP_021363050.1 50.2 237
 108 4 16 243 63 298 1.20E-60 241.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000019449 6596 806.2 UdeM00000019449 XP_045162989.1 54.1 706
314 5 3 700 102 805 3.30E-230 806.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019450 400727 90.1 UdeM00000019450 XP_025081733.1 59.8
82 30 3 1 81 13 92 2.30E-15 90.1 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000019451 29159 368.6 UdeM00000019451 XP_034338513.1 80.3 218
42 1 1 218 1 217 5.80E-99 368.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000019452 6596 506.1 UdeM00000019452 XP_045163117.1 55.2 435
179 4 2 427 94 521 4.40E-140 506.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019453 400727 145.2 UdeM00000019453 XP_025082559.1 42.5
181 91 6 38 205 40 220 1.10E-31 145.2 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000019454 29159 517.7 UdeM00000019454 XP_011418417.1 65.3 461
144 5 1 449 1 457 1.50E-143 517.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000019455 13686 375.2 UdeM00000019455 XP_011170408.3 41.3 494
265 9 97 573 125 610 1.50E-100 375.2 13686 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Aculeata; Formicoidea; Formicidae; Myrmicinae; Solenopsidini; Solenopsis; Solenopsis invicta

UdeM00000019456 6565 469.9 UdeM00000019456 XP_022286359.1 47.6 468
236 2 3 461 5 472 3.70E-129 469.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000019457 6596 196.8 UdeM00000019457 XP_045176388.1 27.6 446
311 7 23 464 13 450 6.00E-47 196.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019458 6596 217.2 UdeM00000019458 XP_045164036.1 31.6 459
 299 9 14 462 9 462 4.30E-53 217.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019459 6596 306.6 UdeM00000019459 XP_045161550.1 42.7 522
 230 19 1 477 1 498 5.50E-80 306.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019460 29159 471.1 UdeM00000019460 XP_011445975.1 81.1 270
 48 2 17 285 17 284 1.00E-129 471.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019461 6596 166.8 UdeM00000019461 XP_045163253.1 48.9 190
 86 7 3 189 6 187 2.70E-38 166.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019462 6596 157.9 UdeM00000019462 XP_045163901.1 40.8 201
 118 1 1 201 20 219 1.40E-35 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019463 225164 292.4 UdeM00000019463 XP_009063653.1 30.6
 627 389 17 3 620 8 597 1.40E-75 292.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000019464 45264 464.2 UdeM00000019464 XP_044165535.1 49.1 450
 223 2 175 620 123 570 3.60E-127 464.2 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000019465 6565 181.8 UdeM00000019465 XP_022344733.1 60.7 150
 59 0 4 153 218 367 7.60E-43 181.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019466 6573 717.2 UdeM00000019466 XP_021366468.1 82.3 423
 73 2 410 830 364 786 2.40E-203 717.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019467 94827 142.1 UdeM00000019467 XP_010214492.1 35.7 221
 140 2 1 220 616 835 1.10E-30 142.1 94827 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc

opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Pa
laeognathae;Tinamiformes;Tinamidae;Tinamus;Tinamus guttatus

UdeM00000019468 143995 83.2 UdeM00000019468 XP_012136805.1 32.1
159 98 3 81 239 56 204 1.10E-12 83.2 143995

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
eata;Apoidea;Megachilidae;Megachilinae;Megachilini;Megachile;Megachile
rotundata

UdeM00000019469 7460 132.9 UdeM00000019469 XP_026301736.1 27.7 430
255 15 1 393 740 1150 1.00E-27 132.9 7460 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
eata;Apoidea;Apidae;Apinae;Apini;Apis;Apis mellifera

UdeM00000019470 6565 306.6 UdeM00000019470 XP_022335580.1 53.6 265
122 1 21 285 39 302 3.30E-80 306.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019471 6579 523.5 UdeM00000019471 XP_033724839.1 64.5 409
142 2 190 595 5 413 3.60E-145 523.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019472 6565 72.8 UdeM00000019472 XP_022297447.1 50 66
33 0 1 66 301 366 1.90E-10 72.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019473 6087 88.6 UdeM00000019473 XP_012558072.1 33.6 146
85 3 40 185 70 203 9.20E-15 88.6 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000019474 352472 59.7 UdeM00000019474 XP_640087.1 28.1 121
72 3 1 109 236 353 2.70E-06 59.7 352472

cellular

organisms;Eukaryota;Amoebozoa;Evosea;Eumycetozoa;Dictyostelia;Dictyosteli
ales;Dictyosteliaceae;Dictyostelium;Dictyostelium

discoideum;Dictyostelium discoideum AX4

UdeM00000019475 29159 253.8 UdeM00000019475 XP_011419833.1 69.5 187
51 2 1 185 230 412 1.70E-64 253.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019476 29159 287 UdeM00000019476 XP_011419833.1 70.5 207
55 2 1 205 210 412 2.00E-74 287 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019477 6500 168.3 UdeM00000019477 XP_005089155.2 61.7 141
43 3 42 176 64 199 9.70E-39 168.3 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000019478 151771 356.3 UdeM00000019478 XP_028406951.1 37.6
591 326 11 47 606 88 666 7.70E-95 356.3 151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000019481 6945 62.4 UdeM00000019481 XP_040078187.1 29.9 117
81 1 76 191 38 154 1.30E-06 62.4 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000019482 6945 62.4 UdeM00000019482 XP_040078187.1 29.9 117
81 1 55 170 38 154 1.20E-06 62.4 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000019483 6596 102.4 UdeM00000019483 XP_045161259.1 41.9 124
64 4 25 143 26 146 5.70E-19 102.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019484 6596 102.4 UdeM00000019484 XP_045161259.1 38.3 149
77 5 14 153 26 168 5.30E-19 102.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019485 6596 104.8 UdeM00000019485 XP_045161260.1 37.2 137
79 3 17 149 15 148 1.20E-19 104.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019487 6596 111.3 UdeM00000019487 XP_045161259.1 39.7 146
79 4 25 164 26 168 1.20E-21 111.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019488 6596 554.3 UdeM00000019488 XP_045162509.1 64.8 423
143 3 1 420 1 420 1.30E-154 554.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019489 6596 670.2 UdeM00000019489 XP_045161143.1 69.7 446
135 0 35 480 237 682 1.90E-189 670.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019490 6596 393.7 UdeM00000019490 XP_045161143.1 48 444
 80 2 1 293 239 682 2.10E-106 393.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019491 6596 786.6 UdeM00000019491 XP_045161143.1 61 616
 211 3 5 594 70 682 2.30E-224 786.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019492 6596 636.7 UdeM00000019492 XP_045161143.1 66.4 444
 147 1 1 442 239 682 2.20E-179 636.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019493 6565 102.4 UdeM00000019493 XP_022338490.1 36.3 135
 84 2 1 134 4 137 5.00E-19 102.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019494 6596 689.9 UdeM00000019494 XP_045161143.1 71.2 444
 128 0 1 444 239 682 2.20E-195 689.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019495 6596 105.1 UdeM00000019495 XP_045161143.1 43.6 110
 60 1 6 115 70 177 7.30E-20 105.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019496 6573 758.8 UdeM00000019496 XP_021363497.1 62 566
 210 3 4 565 15 579 4.80E-216 758.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019497 6565 719.9 UdeM00000019497 XP_022336153.1 60 565
 221 5 5 567 8 569 2.50E-204 719.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019498 6596 862.4 UdeM00000019498 XP_045162475.1 71.2 556
 158 2 1 554 41 596 3.00E-247 862.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019499 6596 109.8 UdeM00000019499 XP_045208478.1 42.1 133
 74 2 151 281 213 344 5.90E-21 109.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019500 6596 621.3 UdeM00000019500 XP_045160149.1 31.3 1703
 722 35 6 1311 3 1654 2.80E-174 621.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019501 151771 248.1 UdeM00000019501 XP_028406951.1 31.7
 492 215 7 1 396 119 585 2.00E-62 248.1 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000019503 6579 232.3 UdeM00000019503 XP_033764002.1 54.5 202
 91 1 6 206 12 213 5.80E-58 232.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019504 6596 323.2 UdeM00000019504 XP_045162910.1 65.8 231
 77 2 4 234 60 288 2.90E-85 323.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019507 6573 84 UdeM00000019507 XP_021360986.1 70.4 54
 16 0 9 62 11 64 1.20E-13 84 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019508 6573 156.4 UdeM00000019508 XP_021360982.1 75.9 112
 26 1 4 115 3 113 2.20E-35 156.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019509 6573 1409.8 UdeM00000019509 XP_021360979.1 63.7
 2065 681 14 55 2095 422 2442 0.00E+00 1409.8 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019510 6565 3369.7 UdeM00000019510 XP_022339234.1 73.4
 2253 566 13 1 2234 1 2238 0.00E+00 3369.7 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019511 6596 212.6 UdeM00000019511 XP_045163028.1 37.3 354
 209 6 19 372 26 366 9.30E-52 212.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019512 6596 125.2 UdeM00000019512 XP_045163028.1 46.8 154
77 3 95 247 73 222 1.50E-25 125.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019513 143950 128.3 UdeM00000019513 XP_025407409.1 44.5
137 71 2 1 132 70 206 7.50E-27 128.3 143950
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;Aphidomorpha;Aphidoidea;Aphididae;Chaitophorinae;Sipha;Sipha flava

UdeM00000019514 143950 111.7 UdeM00000019514 XP_025407409.1 44.8
116 60 1 1 112 70 185 6.30E-22 111.7 143950
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;Aphidomorpha;Aphidoidea;Aphididae;Chaitophorinae;Sipha;Sipha flava

UdeM00000019515 6596 237.7 UdeM00000019515 XP_045163028.1 40.9 372
208 7 1 371 8 368 2.70E-59 237.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019516 6596 245.7 UdeM00000019516 XP_045163028.1 41 356
197 4 17 372 26 368 1.00E-61 245.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019517 6596 229.2 UdeM00000019517 XP_045163028.1 37.6 356
218 3 5 360 15 366 9.30E-57 229.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019519 8090 100.9 UdeM00000019519 XP_023821816.1 66.7 66
22 0 4 69 675 740 7.30E-19 100.9 8090 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Atherinomorpha;Belontiiformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias latipes

UdeM00000019521 6596 149.8 UdeM00000019521 XP_045181277.1 34.4 294
175 10 20 303 120 405 5.70E-33 149.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019522 6596 92.4 UdeM00000019522 XP_045181277.1 26 269
 131 6 165 368 55 320 1.30E-15 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019523 6596 92.4 UdeM00000019523 XP_045181277.1 26 269
 131 6 43 246 55 320 9.00E-16 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019524 6596 72.8 UdeM00000019524 XP_045177153.1 29.6 186
 109 8 46 214 22 202 6.20E-10 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019525 6596 76.3 UdeM00000019525 XP_045177153.1 31.7 183
 107 8 60 227 23 202 5.90E-11 76.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019527 6596 71.2 UdeM00000019527 XP_045163252.1 30.3 198
 115 7 74 257 263 451 2.10E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019526 6596 71.2 UdeM00000019526 XP_045163252.1 30.3 198
 115 7 109 292 263 451 2.40E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019528 6596 71.2 UdeM00000019528 XP_045163252.1 30.3 198
 115 7 182 365 263 451 3.00E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019529 29159 112.8 UdeM00000019529 XP_011453536.2 46.7 105
 56 0 9 113 13 117 2.90E-22 112.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019530 6596 288.5 UdeM00000019530 XP_045175151.1 37.4 457
 252 9 28 468 38 476 1.50E-74 288.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000019531 6596 290.4 UdeM00000019531 XP_045175151.1 37.1 458
 257 8 23 468 38 476 4.00E-75 290.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019532 400727 145.2 UdeM00000019532 XP_025082564.1 31.2
 560 308 21 26 544 59 582 3.10E-31 145.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000019534 6579 375.6 UdeM00000019534 XP_033764119.1 76 229
 54 1 1 228 1 229 4.70E-101 375.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019535 225164 581.6 UdeM00000019535 XP_009060418.1 80.1
 361 71 1 216 576 215 574 1.10E-162 581.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000019536 6596 904 UdeM00000019536 XP_045163494.1 69.8 692
 206 2 1 690 1 691 1.10E-259 904 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019537 6565 225.3 UdeM00000019537 XP_022342749.1 48.8 256
 120 4 3 247 4 259 1.20E-55 225.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019538 6596 253.4 UdeM00000019538 XP_045162729.1 63.4 202
 73 1 1 202 1 201 2.40E-64 253.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019539 6596 565.1 UdeM00000019539 XP_045162684.1 57.1 452
 189 1 5 451 30 481 8.10E-158 565.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019540 6573 409.1 UdeM00000019540 XP_021340170.1 55.5 366
 161 2 63 427 109 473 7.10E-111 409.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019541 1735272 442.2 UdeM00000019541 XP_041377515.1 48.7
 415 202 4 26 434 154 563 2.60E-120 442.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019542 1735272 442.2 UdeM00000019542 XP_041377515.1 48.7
 415 202 4 26 434 154 563 2.60E-120 442.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019543 6596 113.2 UdeM00000019543 XP_045177735.1 60.8 74
 29 0 32 105 76 149 2.00E-22 113.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019544 400727 100.1 UdeM00000019544 XP_025080280.1 64.2
 67 24 0 27 93 7 73 1.50E-18 100.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000019545 1735272 1879 UdeM00000019545 XP_041358414.1 63.1
 1459 515 9 1 1446 7 1454 0.00E+00 1879 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019546 6565 170.2 UdeM00000019546 XP_022299727.1 47.4 171
 89 1 1 171 106 275 2.60E-39 170.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019547 6579 685.3 UdeM00000019547 XP_033760107.1 76.9 433
 100 0 1 433 1451 1883 5.20E-194 685.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019548 6596 523.1 UdeM00000019548 XP_045161770.1 87.8 278
 33 1 1 277 1 278 2.20E-145 523.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019549 29159 84.3 UdeM00000019549 XP_034338503.1 68.4 95
 30 0 55 149 2 96 1.80E-13 84.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019550 6596 300.8 UdeM00000019550 XP_045162257.1 49.7 300
 148 2 1 297 1 300 1.90E-78 300.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019551 37621 146 UdeM00000019551 XP_014678940.1 75.3 85
21 0 21 105 484 568 4.00E-32 146 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000019552 29159 77.4 UdeM00000019552 XP_034339168.1 80 45
9 0 1 45 883 927 5.20E-12 77.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019553 29159 103.6 UdeM00000019553 XP_034339168.1 46.5 129
40 1 1 100 883 1011 1.50E-19 103.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019554 29159 160.6 UdeM00000019554 XP_034338151.1 40.5 220
58 2 3 149 131 350 1.70E-36 160.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019556 6579 957.6 UdeM00000019556 XP_033760558.1 26.6 2212
1521 20 20 2202 730 2867 4.70E-275 957.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019557 6596 265.4 UdeM00000019557 XP_045162858.1 51.2 256
121 3 1 255 1449 1701 1.10E-67 265.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019558 6596 67.4 UdeM00000019558 XP_045162855.1 40.5 84
46 3 43 125 34 114 1.90E-08 67.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019559 1735272 229.9 UdeM00000019559 XP_041357458.1 51
247 62 4 1 188 197 443 2.60E-57 229.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019560 6579 776.5 UdeM00000019560 XP_033760558.1 25.6 2102
1422 28 3 2016 441 2489 7.90E-221 776.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019561 6596 244.6 UdeM00000019561 XP_045162858.1 51.3 236
105 4 22 251 1480 1711 2.00E-61 244.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019562 6579 289.7 UdeM00000019562 XP_033763324.1 31.6 629
362 13 576 1193 507 1078 1.70E-74 289.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019563 6596 167.2 UdeM00000019563 XP_045162858.1 52.5 158
69 3 6 162 1549 1701 3.60E-38 167.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019564 6596 234.2 UdeM00000019564 XP_045162858.1 50.4 230
108 3 13 241 1480 1704 2.40E-58 234.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019565 6565 75.5 UdeM00000019565 XP_022339292.1 58.1 62
25 1 5 66 982 1042 2.90E-11 75.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019566 6565 61.6 UdeM00000019566 XP_022339292.1 31.2 112
68 2 7 114 870 976 8.50E-07 61.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019567 6579 499.2 UdeM00000019567 XP_033763324.1 37.4 819
455 18 223 1018 521 1304 1.90E-137 499.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019569 6579 481.9 UdeM00000019569 XP_033763324.1 36.7 825
473 15 286 1089 521 1317 2.40E-132 481.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019570 6579 483.8 UdeM00000019570 XP_033763324.1 37.9 780
451 16 132 885 521 1293 5.40E-133 483.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019572 6565 169.1 UdeM00000019572 XP_022345276.1 44.7 190
52 1 47 183 212 401 7.00E-39 169.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019573 6565 760.8 UdeM00000019573 XP_022336997.1 58.1 604
242 5 9 611 74 667 1.40E-216 760.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019575 2607531 563.1 UdeM00000019575 XP_029643579.1 39
 698 413 5 55 749 51 738 5.10E-157 563.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000019576 225164 265.8 UdeM00000019576 XP_009049950.1 34.2
 377 238 2 57 433 48 414 1.00E-67 265.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000019577 6596 1495.3 UdeM00000019577 XP_045161724.1 76.5
 925 204 5 1 920 1 917 0.00E+00 1495.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019578 6596 902.5 UdeM00000019578 XP_045161732.1 75.8 782
 153 10 1 755 4 776 3.60E-259 902.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019579 6596 917.5 UdeM00000019579 XP_045161732.1 76.1 788
 152 10 1 761 4 782 1.10E-263 917.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019591 6579 84 UdeM00000019591 XP_033728927.1 32.4 136
 78 3 45 166 3 138 2.10E-13 84 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019592 50429 68.2 UdeM00000019592 XP_022804186.1 43.1 72
 41 0 1 72 430 501 5.50E-09 68.2 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000019594 6596 475.3 UdeM00000019594 XP_045163816.1 44.6 561
 308 2 25 583 36 595 1.10E-130 475.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019595 6596 469.9 UdeM00000019595 XP_045163816.1 44.1 567
 314 2 25 589 36 601 4.70E-129 469.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019596 6596 143.3 UdeM00000019596 XP_045163816.1 37 216
 134 2 7 221 21 235 4.70E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019598 6596 476.5 UdeM00000019598 XP_045163816.1 44.1 567
 314 2 25 589 36 601 5.00E-131 476.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019599 6579 104.8 UdeM00000019599 XP_033761495.1 65.8 73
 25 0 36 108 24 96 9.50E-20 104.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019600 6579 331.6 UdeM00000019600 XP_033761495.1 83.6 183
 30 0 1 183 177 359 1.50E-87 331.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019601 1735272 82.4 UdeM00000019601 XP_041362151.1 37.2
 113 70 1 9 120 563 675 4.30E-13 82.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019602 6579 990.7 UdeM00000019602 XP_033744655.1 75.9 636
 153 0 1 636 1 636 8.60E-286 990.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019603 7574 68.9 UdeM00000019603 XP_013408145.1 26.2 229
 113 10 233 451 2275 2457 1.90E-08 68.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019605 6596 229.9 UdeM00000019605 XP_045209202.1 28 507
 258 9 27 433 1217 1716 6.10E-57 229.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019606 6526 120.9 UdeM00000019606 XP_013068176.1 45.5 121
 64 2 10 129 677 796 1.30E-24 120.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000019607 1735272 141.4 UdeM00000019607 XP_041361861.1 45.7
 151 53 3 1 122 71 221 8.10E-31 141.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019608	29159	83.2	UdeM00000019608	XP_034317111.1	60.7	61
24	0	2	62	171	231	1.70E-13

83.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019609	6565	62	UdeM00000019609	XP_022299838.1	48.8	41
21	0	61	101	67	107	5.10E-07

62 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019611	6579	199.1	UdeM00000019611	XP_033748473.1	51.3	193
90	3	202	392	1	191	1.00E-47

199.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019612	50390	193.7	UdeM00000019612	XP_028127913.1	43.3	231
130	1	1	231	1	230	2.60E-46

193.7 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000019613	6596	479.9	UdeM00000019613	XP_045163816.1	44.4	567
312	2	25	589	36	601	4.50E-132

479.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019615	6596	340.9	UdeM00000019615	XP_045163816.1	46.9	375
198	1	20	394	228	601	2.20E-90

340.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019616	6596	139.4	UdeM00000019616	XP_045163816.1	38.4	198
120	1	25	220	36	233	6.90E-30

139.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019617	7604	157.5	UdeM00000019617	XP_033638534.1	43.2	190
100	2	314	495	1	190	5.80E-35

157.5 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatida;Asteroiidae;Asterias;Asterias rubens

UdeM00000019619	6087	77.8	UdeM00000019619	XP_012561779.1	44.9	89
46	1	29	114	686	774	3.00E-11

77.8 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydrozoa;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000019623 1735272 154.5 UdeM00000019623 XP_041365752.1 33.9
 286 173 4 25 303 165 441 2.30E-34 154.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019625 6565 94 UdeM00000019625 XP_022322825.1 41.8 110
 63 1 4 112 343 452 1.40E-16 94 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019626 29159 104.4 UdeM00000019626 XP_011453536.2 37 165
 54 5 7 126 14 173 2.20E-19 104.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019630 6579 86.7 UdeM00000019630 XP_033753277.1 43.4 113
 63 1 20 131 43 155 4.40E-14 86.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019631 6565 115.2 UdeM00000019631 XP_022322825.1 45.5 132
 70 2 2 132 377 507 7.00E-23 115.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019632 6596 161.8 UdeM00000019632 XP_045162108.1 54.7 128
 55 3 2 129 52 176 1.20E-36 161.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019633 6596 91.7 UdeM00000019633 XP_045163252.1 34.4 195
 111 5 220 403 263 451 2.40E-15 91.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019634 6596 75.1 UdeM00000019634 XP_045177153.1 31.5 181
 102 8 37 200 27 202 1.20E-10 75.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019635 6596 73.2 UdeM00000019635 XP_045177153.1 31.6 158
 89 5 6 147 48 202 3.30E-10 73.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019636 6596 397.1 UdeM00000019636 XP_045163074.1 51 439
 184 10 72 486 243 674 3.60E-107 397.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019637 29159 622.1 UdeM00000019637 XP_034299214.1 49.4 708
 324 9 30 704 889 1595 8.80E-175 622.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019638 6596 750.7 UdeM00000019638 XP_045163568.1 50.1 875
 383 12 88 921 733 1594 2.10E-213 750.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019639 75366 186 UdeM00000019639 XP_016148261.1 47.1 242
 107 6 11 245 757 984 6.10E-44 186 75366 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 ideii;Cyprinidae;Cyprininae;Sinocyclocheilus;Sinocyclocheilus grahami
 UdeM00000019641 45264 392.9 UdeM00000019641 XP_044165535.1 49.6 367
 181 1 1 363 158 524 4.90E-106 392.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000019642 6596 790.8 UdeM00000019642 XP_045163568.1 54.5 888
 361 15 6 858 715 1594 1.70E-225 790.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019643 6596 501.1 UdeM00000019643 XP_045163568.1 56.1 611
 229 13 10 589 733 1335 1.90E-138 501.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019644 29159 299.3 UdeM00000019644 XP_019929897.2 57.9 252
 105 1 1 252 1360 1610 4.70E-78 299.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019645 6579 69.7 UdeM00000019645 XP_033763913.1 61.7 60
 22 1 1 60 1565 1623 1.50E-09 69.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019646 6565 246.1 UdeM00000019646 XP_022336762.1 38.6 396
 191 9 5 348 1068 1463 6.60E-62 246.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019647 6596 103.2 UdeM00000019647 XP_045163568.1 79.7 64
 13 0 1 64 977 1040 1.50E-19 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019648 6596 208.4 UdeM00000019648 XP_045163568.1 55.5 218
64 4 12 196 733 950 8.50E-51 208.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019649 6596 878.2 UdeM00000019649 XP_045163568.1 53.2 977
343 19 1106 1978 628 1594 1.90E-251 878.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019650 6596 941 UdeM00000019650 XP_045163568.1 58.6 977
355 17 728 1665 628 1594 2.00E-270 941 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019651 6573 100.5 UdeM00000019651 XP_021365625.1 54.1 85
39 0 76 160 22 106 2.80E-18 100.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019652 6596 426 UdeM00000019652 XP_045163568.1 62.1 398
125 8 432 809 628 1019 1.20E-115 426 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019653 6596 186.8 UdeM00000019653 XP_045163568.1 53.9 204
70 6 432 616 628 826 8.30E-44 186.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019655 6579 128.3 UdeM00000019655 XP_033761495.1 59.4 101
40 1 36 136 24 123 7.70E-27 128.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019656 1735272 87.4 UdeM00000019656 XP_041362151.1 39.8
113 67 1 9 120 563 675 1.50E-14 87.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019657 6596 293.1 UdeM00000019657 XP_045161225.1 62.8 239
81 2 1 238 64 295 3.40E-76 293.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000019658 6579 954.5 UdeM00000019658 XP_033763909.1 65 695
 238 1 197 891 103 792 9.40E-275 954.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019659 400727 303.1 UdeM00000019659 XP_025080913.1 65.3
 216 72 1 3 215 16 231 2.80E-79 303.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000019660 2607531 282.7 UdeM00000019660 XP_029638331.1 38.3
 384 230 6 1 382 161 539 6.90E-73 282.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
 Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000019661 6573 143.7 UdeM00000019661 XP_021368946.1 31.9 263
 165 3 112 367 1 256 5.60E-31 143.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019662 6596 266.2 UdeM00000019662 XP_045161679.1 59 222
 76 5 10 219 4 222 4.20E-68 266.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000019664 158441 291.6 UdeM00000019664 XP_021955985.1 93.2
 147 10 0 1 147 45 191 5.70E-76 291.6 158441
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Collincombola;
 Entomobryomorpha;Isotomoidea;Isotomidae;Proisotominae;Folsomia;Folsomia candida
 UdeM00000019663 158441 379.8 UdeM00000019663 XP_021955985.1 94.8
 191 10 0 1 191 1 191 2.10E-102 379.8 158441
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Collincombola;
 Entomobryomorpha;Isotomoidea;Isotomidae;Proisotominae;Folsomia;Folsomia candida
 UdeM00000044490 6596 67.8 UdeM00000044490 XP_045198465.1 42.2 83
 47 1 14 95 25 107 1.10E-08 67.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000044213 50429 174.5 UdeM00000044213 XP_022795673.1 59.9 142
 56 1 1 141 196 337 9.90E-41 174.5 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000016568 6596 355.9 UdeM00000016568 XP_045177659.1 76.7 210
 49 0 1 210 1 210 3.70E-95 355.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016569 6596 633.6 UdeM00000016569 XP_045177659.1 70 434
 118 2 1 433 1 423 1.80E-178 633.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016570 6596 166 UdeM00000016570 XP_045179875.1 56.2 169
 70 3 9 175 148 314 4.50E-38 166 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016571 6596 162.2 UdeM00000016571 XP_045179875.1 56.5 161
 66 3 113 271 156 314 9.80E-37 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016572 6596 150.2 UdeM00000016572 XP_045179875.1 77.1 96
 22 0 1 96 1 96 1.80E-33 150.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016573 6565 526.6 UdeM00000016573 XP_022308439.1 48.3 580
 286 7 298 874 604 1172 6.50E-146 526.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016574 6565 580.5 UdeM00000016574 XP_022308439.1 46.3 698
 339 10 298 980 604 1280 4.10E-162 580.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016576 6573 226.1 UdeM00000016576 XP_021368945.1 47.7 281
 142 2 26 302 45 324 6.00E-56 226.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016578 6579 498.4 UdeM00000016578 XP_033763088.1 48.9 1052
 518 4 1 1036 2 1049 2.20E-137 498.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016579 6579 491.5 UdeM00000016579 XP_033763088.1 48.5 1048
 524 3 1 1032 2 1049 2.60E-135 491.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016580 6596 194.9 UdeM00000016580 XP_045161683.1 44.3 282
151 3 2 279 3 282 1.40E-46 194.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016582 6596 768.1 UdeM00000016582 XP_045162259.1 39.5 1247
663 26 261 1452 139 1348 2.00E-218 768.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016583 6596 458 UdeM00000016583 XP_045162261.1 35.3 781
450 15 1 739 177 944 3.10E-125 458 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016584 6596 455.7 UdeM00000016584 XP_045162261.1 35.3 771
445 14 20 749 187 944 1.50E-124 455.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016585 6596 458 UdeM00000016585 XP_045162261.1 35.3 781
450 15 1 739 177 944 3.10E-125 458 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016586 6596 455.7 UdeM00000016586 XP_045162261.1 35.3 771
445 14 20 749 187 944 1.50E-124 455.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016587 6596 422.2 UdeM00000016587 XP_045162261.1 29 1225
672 31 17 1061 123 1329 2.00E-114 422.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016588 6596 448.7 UdeM00000016588 XP_045162261.1 33.3 807
473 16 67 820 177 971 2.00E-122 448.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016589 6596 471.1 UdeM00000016589 XP_045162261.1 34.4 826
491 16 32 818 177 990 3.70E-129 471.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016590 6596 473.4 UdeM00000016590 XP_045162261.1 34.3 826
499 14 32 825 177 990 7.40E-130 473.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016591 6596 195.3 UdeM00000016591 XP_045173241.1 33.2 467
265 14 186 631 433 873 2.60E-46 195.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016593 6596 158.3 UdeM00000016593 XP_045162256.1 35 592
304 14 19 544 64 640 2.80E-35 158.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016594 6579 282 UdeM00000016594 XP_033763324.1 32.2 597
354 15 545 1132 524 1078 3.50E-72 282 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016595 6596 258.8 UdeM00000016595 XP_045162858.1 52.3 239
108 3 9 246 1480 1713 1.30E-65 258.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016596 6565 216.1 UdeM00000016596 XP_022297447.1 53.2 201
78 2 8 192 81 281 5.00E-53 216.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016597 45264 167.2 UdeM00000016597 XP_044166166.1 49.3 150
75 1 1 149 667 816 2.20E-38 167.2 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000016598 6596 547 UdeM00000016598 XP_045191668.1 30.2 1262
737 43 527 1687 81 1299 9.20E-152 547 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016599 6565 61.6 UdeM00000016599 XP_022343311.1 35.4 99
57 3 3 100 103 195 7.30E-07 61.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016602 225164 99.4 UdeM00000016602 XP_009062103.1 27.2
 195 139 2 1 194 1 193 6.00E-18 99.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000016605 6596 59.7 UdeM00000016605 XP_045163980.1 36.5 126
 68 3 75 192 49 170 4.90E-06 59.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016606 6596 202.6 UdeM00000016606 XP_045167035.1 46.8 186
 98 1 192 377 155 339 9.00E-49 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016607 6565 223.4 UdeM00000016607 XP_022286598.1 44.3 323
 149 9 1 310 1 305 4.00E-55 223.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016609 6565 404.4 UdeM00000016609 XP_022320668.1 69.6 270
 82 0 20 289 441 710 1.20E-109 404.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016610 6596 190.3 UdeM00000016610 XP_045167035.1 44.1 186
 103 1 218 403 155 339 4.90E-45 190.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016611 6596 202.6 UdeM00000016611 XP_045167035.1 41.3 242
 117 4 190 408 100 339 9.70E-49 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016613 6596 863.2 UdeM00000016613 XP_045161992.1 40.2 1178
 597 23 8 1116 16 1155 3.60E-247 863.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016614 6596 781.6 UdeM00000016614 XP_045161992.1 37.4 1226
 506 19 8 1002 16 1211 1.20E-222 781.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016615 6596 199.1 UdeM00000016615 XP_045161738.1 89.9 109
 11 0 1 109 1 109 6.60E-48 199.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016616 6579 320.9 UdeM00000016616 XP_033764146.1 64.5 228
80 1 1 227 1 228 1.30E-84 320.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016620 6596 1208.4 UdeM00000016620 XP_045162575.1 80
734 146 1 2 734 122 855 0.00E+00 1208.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016621 2607531 310.1 UdeM00000016621 XP_029657462.1 56.9
276 119 0 92 367 7 282 3.80E-81 310.1 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000016622 29159 84 UdeM00000016622 XP_011452539.2 43.6 117
59 4 1 111 1 116 1.40E-13 84 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016623 6596 141 UdeM00000016623 XP_045215532.1 32.4 262
162 8 16 269 2 256 2.80E-30 141 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016624 6596 141 UdeM00000016624 XP_045215532.1 32.4 262
162 8 6 259 2 256 2.70E-30 141 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016625 189513 217.6 UdeM00000016625 XP_044740614.1 67.8
152 48 1 3 153 5 156 1.10E-53 217.6 189513
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Neuropterida;Neoptera;Hemerobiiiformia;Chrysopidae;Chrysopinae;Chrysoperla;Chrysoperla carnea

UdeM00000016626 400727 2246.9 UdeM00000016626 XP_025081588.1
80 1810 315 12 118 1893 77 1873 0.00E+00 2246.9
400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000016627 6596 255 UdeM00000016627 XP_045162558.1 81 142
27 0 1 142 2 143 5.80E-65 255 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016628 6573 254.6 UdeM00000016628 XP_021355436.1 73.1 175
45 1 1 173 171 345 9.10E-65 254.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016629 6579 157.1 UdeM00000016629 XP_033764276.1 42.3 194
105 2 1 194 14 200 2.30E-35 157.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016630 6596 220.3 UdeM00000016630 XP_045163995.1 47.6 225
117 1 211 434 16 240 4.70E-54 220.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016631 6596 220.7 UdeM00000016631 XP_045163995.1 47.2 218
114 1 167 383 23 240 3.20E-54 220.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016632 6596 245 UdeM00000016632 XP_045163995.1 55.1 214
95 1 27 239 27 240 9.90E-62 245 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016634 6565 231.1 UdeM00000016634 XP_022286723.1 39.9 311
175 6 7 317 4 302 2.00E-57 231.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016635 45264 395.2 UdeM00000016635 XP_044165535.1 49.6 371
183 1 1 367 158 528 9.90E-107 395.2 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000016636 6565 276.2 UdeM00000016636 XP_022339386.1 95.9 145
6 0 1 145 1 145 2.50E-71 276.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016637 6596 194.9 UdeM00000016637 XP_045176664.1 34.7 346
212 9 20 356 227 567 2.50E-46 194.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016638 6596 112.5 UdeM00000016638 XP_045163991.1 35.9 220
 114 4 41 260 56 248 8.50E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016639 6596 112.5 UdeM00000016639 XP_045163991.1 35.9 220
 114 4 42 261 56 248 8.50E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016640 6596 550.8 UdeM00000016640 XP_045163440.1 70.2 372
 111 0 1 372 50 421 1.30E-153 550.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016641 6596 595.9 UdeM00000016641 XP_045163440.1 67.2 421
 138 0 1 421 1 421 4.10E-167 595.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016642 6565 186.4 UdeM00000016642 XP_022335889.1 71.5 123
 34 1 11 133 12 133 2.90E-44 186.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016643 6596 1039.3 UdeM00000016643 XP_045161343.1 68
 731 222 5 1 726 213 936 2.40E-300 1039.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016644 29159 224.2 UdeM00000016644 XP_011432760.1 60.7 178
 69 1 6 182 8 185 1.40E-55 224.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016645 1735272 198.4 UdeM00000016645 XP_041377218.1 64.8
 142 50 0 1 142 1 142 6.30E-48 198.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016646 6596 194.1 UdeM00000016646 XP_045162566.1 66.9 133
 44 0 11 143 10 142 1.20E-46 194.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016647 29159 236.1 UdeM00000016647 XP_034335856.1 35.9 463
 246 8 1 446 89 517 1.10E-58 236.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016648 6596 491.1 UdeM00000016648 XP_045162705.1 74.8 301
 75 1 1 301 1 300 1.00E-135 491.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016649 6596 129.8 UdeM00000016649 XP_045209459.1 41.2 165
 94 1 77 241 32 193 4.70E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016650 6596 237.7 UdeM00000016650 XP_045163027.1 90.9 143
 11 1 1 143 1 141 9.50E-60 237.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016651 6596 612.8 UdeM00000016651 XP_045162994.1 63.7 499
 170 4 20 508 32 529 3.90E-172 612.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016652 225164 328.2 UdeM00000016652 XP_009048161.1 48.6
 385 113 2 35 334 83 467 1.20E-86 328.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000016653 6596 493.8 UdeM00000016653 XP_045161412.1 71.4 322
 64 1 1 294 39 360 1.50E-136 493.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016654 6596 431.8 UdeM00000016654 XP_045161409.1 66.2 296
 97 1 2 294 54 349 7.70E-118 431.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016655 6596 444.1 UdeM00000016655 XP_045161409.1 66 306
 101 1 1 303 44 349 1.50E-121 444.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016656 6596 106.7 UdeM00000016656 XP_045200636.1 28.2 238
 155 7 215 448 117 342 1.20E-19 106.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016657 6596 496.9 UdeM00000016657 XP_045161310.1 49 598
 259 7 23 590 3 584 3.60E-137 496.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016658 225164 445.3 UdeM00000016658 XP_009064943.1 53.2
 412 175 3 30 423 2 413 8.80E-122 445.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000016659 6579 102.1 UdeM00000016659 XP_033764037.1 46 126
 60 1 20 137 18 143 6.90E-19 102.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016661 6573 543.1 UdeM00000016661 XP_021353256.1 89 292
 32 0 1 292 1 292 2.50E-151 543.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016662 1735272 849.7 UdeM00000016662 XP_041377555.1 71.9
 559 146 2 1 555 119 670 2.20E-243 849.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016663 1735272 374.4 UdeM00000016663 XP_041355564.1 52.9
 306 143 1 25 329 17 322 1.50E-100 374.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016664 6573 919.8 UdeM00000016664 XP_021366576.1 70.7 628
 175 4 6 628 20 643 1.80E-264 919.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016665 6573 928.7 UdeM00000016665 XP_021366576.1 70.2 642
 182 4 8 644 6 643 4.00E-267 928.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016666 6579 924.5 UdeM00000016666 XP_033763798.1 70.6 630
 175 5 5 626 4 631 7.60E-266 924.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000016667 6579 884.8 UdeM00000016667 XP_033763798.1 69.1 605
181 3 42 642 43 645 6.70E-254 884.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000016668 6596 610.1 UdeM00000016668 XP_045161926.1 69.4 405
123 1 3 407 265 668 2.00E-171 610.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000016669 6579 273.9 UdeM00000016669 XP_033763798.1 66.7 192
60 2 28 215 42 233 1.80E-70 273.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000016670 1415580 646.7 UdeM00000016670 XP_030075314.1 52.2
642 287 4 1 639 1 625 3.00E-182 646.7 1415580
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amphibia; Gymnophiona; Siphonopidae; Microcaecilia; Microcaecilia unicolor
UdeM00000016671 6579 916.4 UdeM00000016671 XP_033763798.1 70.1 648
174 8 5 640 6 645 2.10E-263 916.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000016672 6596 375.6 UdeM00000016672 XP_045161926.1 64.8 267
92 2 1 267 406 670 5.80E-101 375.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000016673 6579 339.7 UdeM00000016673 XP_033763798.1 64.7 255
82 5 24 271 28 281 3.40E-90 339.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000016674 6573 848.6 UdeM00000016674 XP_021366576.1 64.7 646
210 8 5 640 6 643 5.30E-243 848.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000016676 6596 67.8 UdeM00000016676 XP_045161926.1 61.7 47
18 0 22 68 457 503 7.50E-09 67.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000016675 6596 67.4 UdeM00000016675 XP_045161926.1 63 46
17 0 30 75 458 503 1.10E-08 67.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016678 6579 827.4 UdeM00000016678 XP_033763798.1 62.4 644
230 8 64 700 7 645 1.40E-236 827.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016680 6579 870.9 UdeM00000016680 XP_033763798.1 65.1 645
211 9 5 640 6 645 1.00E-249 870.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016679 6579 869.4 UdeM00000016679 XP_033763798.1 65 645
212 9 5 640 6 645 2.90E-249 869.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016681 29159 141.7 UdeM00000016681 XP_011436201.2 47.9 188
79 6 304 483 552 728 2.40E-30 141.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016682 6579 409.8 UdeM00000016682 XP_033764060.1 57.4 319
136 0 5 323 5 323 3.20E-111 409.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016683 6579 350.1 UdeM00000016683 XP_033764060.1 55.4 280
125 0 5 284 5 284 2.80E-93 350.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016684 6579 350.5 UdeM00000016684 XP_033764060.1 55.4 280
125 0 5 284 5 284 2.10E-93 350.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016685 6596 454.9 UdeM00000016685 XP_045163575.1 73.1 301
81 0 1 301 338 638 8.30E-125 454.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016687 6596 828.9 UdeM00000016687 XP_045161994.1 47 945
412 11 3 888 4 918 5.90E-237 828.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016688 29159 633.6 UdeM00000016688 XP_011424866.2 38.2 895
523 11 27 899 1 887 3.70E-178 633.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000016689 29159 569.7 UdeM00000016689 XP_034335858.1 39.6 685
391 6 1 671 120 795 4.90E-159 569.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000016690 29159 574.3 UdeM00000016690 XP_034335858.1 39.6 684
391 5 1 670 120 795 2.00E-160 574.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000016691 6579 201.4 UdeM00000016691 XP_033763903.1 39.7 209
125 1 14 221 552 760 1.40E-48 201.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000016693 29159 348.2 UdeM00000016693 XP_034335858.1 44.7 342
184 2 1 337 197 538 1.20E-92 348.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000016692 6565 503.8 UdeM00000016692 XP_022336349.1 44.9 506
274 2 15 515 23 528 2.60E-139 503.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000016694 6565 166.4 UdeM00000016694 XP_022336349.1 47.5 158
83 0 15 172 23 180 3.20E-38 166.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000016695 6579 501.9 UdeM00000016695 XP_033763903.1 40.8 566
318 5 1 557 224 781 1.10E-138 501.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000016696 6565 145.2 UdeM00000016696 XP_022336349.1 41.8 158
92 0 241 398 23 180 1.80E-31 145.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000016698 6596 312 UdeM00000016698 XP_045179858.1 32.1 652
167 7 2 390 199 837 1.40E-81 312 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000016699 6573 203.8 UdeM00000016699 XP_021366586.1 46 211
109 1 3 213 1 206 2.50E-49 203.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000016700 37653 299.7 UdeM00000016700 XP_014771786.1 36.4 626
 317 12 78 658 48 637 9.40E-78 299.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000016702 29159 372.1 UdeM00000016702 XP_011434453.2 27.4 1342
 612 32 74 1355 33 1072 3.70E-99 372.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016703 6596 621.7 UdeM00000016703 XP_045163414.1 69.8 411
 124 0 1 411 1 411 6.70E-175 621.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016704 6596 1565.1 UdeM00000016704 XP_045163414.1 70.7
 1045 304 2 1 1043 1 1045 0.00E+00 1565.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016705 6596 948.7 UdeM00000016705 XP_045163414.1 71.3 635
 180 2 6 638 411 1045 3.70E-273 948.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016706 409849 122.9 UdeM00000016706 XP_033839884.1 34
 194 128 0 50 243 23 216 6.50E-25 122.9 409849
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Periophthalmus;Periophthalmus magnuspinnatus
 UdeM00000016707 1735272 598.6 UdeM00000016707 XP_041377444.1 40.2
 809 451 12 41 826 250 1048 1.20E-167 598.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016708 210632 651.4 UdeM00000016708 XP_028283034.1 32.3
 1195 629 14 1 1169 26 1066 2.20E-183 651.4 210632
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Ovalentaria
 incertae sedis;Ambassidae;Parambassis;Parambassis ranga

UdeM00000016709 210632 651.4 UdeM00000016709 XP_028283034.1 32.8
 1201 614 17 1 1168 26 1066 2.20E-183 651.4 210632
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Ovalentaria
 incertae sedis;Ambassidae;Parambassis;Parambassis ranga
 UdeM00000016710 6573 554.7 UdeM00000016710 XP_021340202.1 58.2 452
 188 1 35 486 62 512 1.20E-154 554.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042474 29159 67.4 UdeM00000042474 XP_034319609.1 55.1 49
 22 0 35 83 906 954 1.00E-08 67.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042477 6565 214.5 UdeM00000042477 XP_022306954.1 64.6 144
 51 0 1 144 367 510 9.10E-53 214.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042478 29159 93.2 UdeM00000042478 XP_034319609.1 39.7 116
 46 1 1 92 839 954 1.90E-16 93.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042479 6596 164.1 UdeM00000042479 XP_045177053.1 34.7 291
 168 11 4 281 150 431 2.60E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042482 29159 73.2 UdeM00000042482 XP_034321668.1 73.9 46
 12 0 1 46 483 528 2.10E-10 73.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042484 6565 108.2 UdeM00000042484 XP_022307853.1 34 212
 125 8 18 225 376 576 1.50E-20 108.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042485 6596 153.3 UdeM00000042485 XP_045177053.1 34.2 257
 156 7 3 250 124 376 4.20E-34 153.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042488 7741 60.1 UdeM00000042488 XP_019620205.1 29.7 138
 85 5 89 223 748 876 4.30E-06 60.1 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
UdeM00000042489 7741 60.1 UdeM00000042489 XP_019620205.1 29.7 138
85 5 13 147 748 876 2.90E-06 60.1 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
UdeM00000042490 45351 88.2 UdeM00000042490 XP_032239173.1 28.1 256
159 6 79 324 100 340 3.50E-14 88.2 45351 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
UdeM00000042492 29159 246.1 UdeM00000042492 XP_011424053.2 77.6 147
33 0 1 147 1 147 2.70E-62 246.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042493 6579 220.3 UdeM00000042493 XP_033758968.1 26.2 679
450 17 33 684 15 669 7.60E-54 220.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042494 6579 218.4 UdeM00000042494 XP_033758968.1 26.3 681
452 17 23 675 11 669 2.90E-53 218.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042495 6573 211.5 UdeM00000042495 XP_021341731.1 24.7 675
474 13 27 681 15 675 3.50E-51 211.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042497 6596 64.3 UdeM00000042497 XP_045177458.1 30.8 107
73 1 366 471 77 183 6.70E-07 64.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042498 6565 84.7 UdeM00000042498 XP_022330482.1 26.1 234
156 7 686 916 406 625 6.80E-13 84.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042499 7741 201.4 UdeM00000042499 XP_019646171.1 45.7 208
109 2 31 238 255 458 1.30E-48 201.4 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
UdeM00000042500 7574 141 UdeM00000042500 XP_013397768.1 27.6 424
243 14 1 364 103 522 3.20E-30 141 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000042501 29159 98.2 UdeM00000042501 XP_034310917.1 34.1 167
100 5 2 160 572 736 1.00E-17 98.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042502 29159 130.6 UdeM00000042502 XP_034333290.1 35.6 239
139 8 1 228 1910 2144 5.50E-27 130.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042504 6579 151 UdeM00000042504 XP_033738785.1 45.5 189
98 4 64 248 252 439 3.00E-33 151 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042505 6579 151 UdeM00000042505 XP_033738785.1 45.5 189
98 4 64 248 252 439 3.00E-33 151 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042506 70779 70.1 UdeM00000042506 XP_015777172.1 38.8 80
49 0 7 86 58 137 1.80E-09 70.1 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera
UdeM00000042507 6596 251.5 UdeM00000042507 XP_045180379.1 69.1 175
52 1 1 173 1 175 7.70E-64 251.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042509 37621 154.1 UdeM00000042509 XP_014673981.1 43.2 206
77 5 6 174 16 218 1.80E-34 154.1 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus
UdeM00000042510 37621 213.4 UdeM00000042510 XP_014672567.1 52.3 174
83 0 10 183 345 518 2.90E-52 213.4 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus
UdeM00000042511 7668 119.8 UdeM00000042511 XP_011671223.1 47.6 124
63 2 8 131 10 131 3.40E-24 119.8 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus
UdeM00000042512 6596 85.9 UdeM00000042512 XP_045209828.1 68.8 64
19 1 107 169 99 162 5.50E-14 85.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042513 6596 1330.1 UdeM00000042513 XP_045209751.1 86.8
775 100 2 1 774 1 774 0.00E+00 1330.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042514 6596 239.6 UdeM00000042514 XP_045201323.1 44.3 325
171 5 50 371 106 423 7.30E-60 239.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042515 6596 222.6 UdeM00000042515 XP_045201320.1 41 315
178 4 59 371 119 427 9.60E-55 222.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042516 400727 66.2 UdeM00000042516 XP_025110088.1 36.1
83 53 0 15 97 89 171 4.00E-08 66.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000042517 400727 66.2 UdeM00000042517 XP_025110088.1 36.1
83 53 0 15 97 89 171 4.00E-08 66.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000042518 6596 222.6 UdeM00000042518 XP_045201320.1 41 315
178 4 59 371 119 427 9.60E-55 222.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042520 6596 94.4 UdeM00000042520 XP_045201323.1 39.5 177
87 2 3 159 40 216 1.40E-16 94.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042521 7719 101.3 UdeM00000042521 NP_001027676.1 86.2 58
8 0 80 137 11 68 1.00E-18 101.3 7719 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000042522 6579 129.4 UdeM00000042522 XP_033733095.1 50 126
56 3 8 127 9 133 3.80E-27 129.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000044290 6565 866.3 UdeM00000044290 XP_022308715.1 77.3 516
116 1 8 523 6 520 2.00E-248 866.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019257 6500 108.2 UdeM00000019257 XP_035824657.1 61.4 88
34 0 31 118 22 109 2.00E-20 108.2 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000019258 6596 112.8 UdeM00000019258 XP_045165187.1 33.6 295
171 6 47 328 14 296 8.20E-22 112.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019259 6596 162.5 UdeM00000019259 XP_045165957.1 42.8 187
100 4 11 193 8 191 5.70E-37 162.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019260 6596 772.7 UdeM00000019260 XP_045166343.1 65.2 595
186 7 1 591 18 595 3.50E-220 772.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019261 6596 706.8 UdeM00000019261 XP_045164785.1 61.7 595
205 5 2 580 6 593 2.40E-200 706.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019263 6596 721.1 UdeM00000019263 XP_045164785.1 64.1 579
183 4 19 584 17 583 1.30E-204 721.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019262 6596 721.1 UdeM00000019262 XP_045164785.1 64.1 579
183 4 19 584 17 583 1.30E-204 721.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019264 6596 354.8 UdeM00000019264 XP_045207182.1 57.8 296
113 3 61 352 5 292 1.70E-94 354.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019265 6596 320.1 UdeM00000019265 XP_045165300.1 52.2 335
153 2 24 354 23 354 3.60E-84 320.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019266 6596 316.6 UdeM00000019266 XP_045165300.1 52.3 331
 151 2 2 328 27 354 3.70E-83 316.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019267 1735272 284.3 UdeM00000019267 XP_041349062.1 62.9
 229 83 1 27 255 37 263 1.60E-73 284.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019268 1735272 284.3 UdeM00000019268 XP_041349062.1 62.9
 229 83 1 25 253 37 263 1.60E-73 284.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019269 2607531 203.8 UdeM00000019269 XP_036362952.1 36.6
 309 188 4 51 352 80 387 3.70E-49 203.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000019270 6565 903.3 UdeM00000019270 XP_022300211.1 42.6 1137
 609 21 12 1135 9 1114 3.30E-259 903.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019271 6596 75.9 UdeM00000019271 XP_045197826.1 33.5 173
 89 3 28 199 46 193 6.80E-11 75.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019272 6596 451.4 UdeM00000019272 XP_045166715.1 67.7 356
 105 5 1 354 1 348 1.00E-123 451.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019273 6596 407.1 UdeM00000019273 XP_045166716.1 44.4 453
 243 6 1 451 34 479 2.80E-110 407.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019274 6596 576.6 UdeM00000019274 XP_045174038.1 54.7 530
 238 2 5 532 46 575 3.20E-161 576.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019275 29159 92.4 UdeM00000019275 XP_011427550.2 84.6 52
 8 0 1 52 391 442 1.80E-16 92.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019276 6565 582.4 UdeM00000019276 XP_022296668.1 83 323
 55 0 64 386 113 435 4.20E-163 582.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019277 6579 211.1 UdeM00000019277 XP_033745913.1 78.2 119
 26 0 1 119 1 119 8.50E-52 211.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019278 6596 275.8 UdeM00000019278 XP_045166365.1 75.3 178
 44 0 1 178 1 178 3.90E-71 275.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019279 6596 158.3 UdeM00000019279 XP_045166365.1 67.9 112
 36 0 1 112 67 178 5.70E-36 158.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019280 6596 809.7 UdeM00000019280 XP_045166400.1 45.4 923
 456 14 115 1013 815 1713 4.40E-231 809.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019281 6596 357.5 UdeM00000019281 XP_045166400.1 56 573
 195 9 1 568 30 550 3.30E-95 357.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019282 6596 614.4 UdeM00000019282 XP_045164743.1 62.1 459
 173 1 1 459 56 513 1.20E-172 614.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019283 1735272 126.3 UdeM00000019283 XP_041348272.1 66.7
 96 29 2 1 93 1 96 5.60E-26 126.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019284 6573 572 UdeM00000019284 XP_021357770.1 60 477
 187 2 1 473 1 477 7.00E-160 572 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019285 400727 288.9 UdeM00000019285 XP_025107315.1 56.7
 254 103 2 4 251 3 255 6.30E-75 288.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000019286 6579 176.8 UdeM00000019286 XP_033744861.1 69 113
 35 0 4 116 2 114 1.60E-41 176.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019287 6573 558.9 UdeM00000019287 XP_021370987.1 47.6 694
 208 14 203 751 88 770 9.80E-156 558.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019288 1735272 424.1 UdeM00000019288 XP_041356266.1 51.1
 407 189 4 51 454 209 608 2.30E-115 424.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019289 6596 154.5 UdeM00000019289 XP_045185048.1 35 260
 129 5 7 250 8 243 2.10E-34 154.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019290 6596 573.5 UdeM00000019290 XP_045164236.1 72.7 396
 108 0 50 445 33 428 2.30E-160 573.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019291 6565 350.1 UdeM00000019291 XP_022338762.1 36.9 572
 309 9 6 554 23 565 5.20E-93 350.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019292 218467 108.6 UdeM00000019292 XP_023212519.1 55.4
 101 44 1 1 101 1 100 4.70E-21 108.6 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000019293 6596 71.2 UdeM00000019293 XP_045164744.1 33 224
 115 11 31 242 50 250 3.00E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019294 6596 370.2 UdeM00000019294 XP_045165546.1 63.8 268
 96 1 4 270 1 268 2.30E-99 370.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019295 6596 175.3 UdeM00000019295 XP_045165545.1 59 139
 55 1 1 139 1 137 5.70E-41 175.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019296 6596 593.2 UdeM00000019296 XP_045165544.1 64.6 441
 149 4 17 457 3 436 2.80E-166 593.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019297 6596 4773 UdeM00000019297 XP_045165547.1 61.2 3589
 1323 20 7 3573 10 3549 0.00E+00 4773 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019298 6596 1888.6 UdeM00000019298 XP_045165547.1 59.3
 1432 547 10 17 1437 2143 3549 0.00E+00 1888.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019299 6579 669.1 UdeM00000019299 XP_033745766.1 47.9 1034
 420 31 1 972 1 977 8.60E-189 669.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019300 6596 713.4 UdeM00000019300 XP_045164368.1 70.7 488
 141 2 3 489 57 543 2.00E-202 713.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019301 7994 334 UdeM00000019301 XP_007244151.1 91.1 180
 16 0 1 180 1 180 1.20E-88 334 7994 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiformes;Characo
 idei;Characidae;Stethaprioninae;Astyanax;Astyanax mexicanus
 UdeM00000019302 6596 236.1 UdeM00000019302 XP_045164259.1 63.9 166
 60 0 3 168 2 167 3.50E-59 236.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019303 6596 1107 UdeM00000019303 XP_045164272.1 67.3 795
240 5 3 778 2 795 0.00E+00 1107 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019304 37653 279.6 UdeM00000019304 XP_014767589.1 55 222
98 1 288 507 278 499 9.50E-72 279.6 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000019305 6573 274.6 UdeM00000019305 XP_021374318.1 91.5 142
12 0 34 175 1 142 8.60E-71 274.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019306 6565 299.7 UdeM00000019306 XP_022296870.1 42.5 468
214 15 1 456 10 434 6.40E-78 299.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019307 6596 214.9 UdeM00000019307 XP_045165897.1 58.5 159
66 0 298 456 172 330 2.10E-52 214.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019308 6596 218 UdeM00000019308 XP_045165897.1 53.1 177
83 0 11 187 154 330 1.10E-53 218 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019309 6579 191.4 UdeM00000019309 XP_033744636.1 50.6 176
84 3 3 177 9 182 9.60E-46 191.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019310 6596 2083.1 UdeM00000019310 XP_045164400.1 61.1
1785 633 19 1 1739 1 1770 0.00E+00 2083.1 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019311 6573 646 UdeM00000019311 XP_021367542.1 69.6 624
185 4 5 623 1 624 5.00E-182 646 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019312 6596 202.6 UdeM00000019312 XP_045165451.1 71.7 127
 36 0 3 129 580 706 3.30E-49 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019313 6596 622.1 UdeM00000019313 XP_045165452.1 51.6 591
 276 4 6 594 3 585 7.70E-175 622.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019317 6596 3854.3 UdeM00000019317 XP_045167257.1 51.9
 3885 974 36 1 3809 50 3114 0.00E+00 3854.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019318 6579 653.3 UdeM00000019318 XP_033744745.1 81 389
 74 0 1 389 1 389 2.00E-184 653.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019319 6565 207.2 UdeM00000019319 XP_022299270.1 82 122
 22 0 3 124 2 123 1.20E-50 207.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019320 29159 253.8 UdeM00000019320 XP_011412152.2 55 218
 93 4 25 242 31 243 2.20E-64 253.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019321 6565 513.1 UdeM00000019321 XP_022299276.1 56.6 495
 206 4 19 506 236 728 4.10E-142 513.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019322 6596 600.1 UdeM00000019322 XP_045167238.1 43.8 950
 442 17 1 899 1 909 4.60E-168 600.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019323 6596 733.4 UdeM00000019323 XP_045166452.1 42.4 945
 523 13 71 1000 73 1011 3.80E-208 733.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019325 6573 140.6 UdeM00000019325 XP_021375759.1 37.8 241
 117 4 1 241 1 208 3.00E-30 140.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000019326 6596 1999.6 UdeM00000019326 XP_045164400.1 60.6
1710 603 16 44 1724 103 1770 0.00E+00 1999.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019327 6596 1898.6 UdeM00000019327 XP_045164400.1 62.2
1588 522 17 1 1561 220 1756 0.00E+00 1898.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019328 6596 164.1 UdeM00000019328 XP_045164400.1 65.3 124
43 0 1 124 272 395 1.20E-37 164.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019329 6565 128.3 UdeM00000019329 XP_022298399.1 57.6 99
37 1 1 94 1354 1452 7.70E-27 128.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019330 6596 1023.5 UdeM00000019330 XP_045164400.1 62.3
848 284 10 2 826 931 1765 1.50E-295 1023.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019331 6579 117.5 UdeM00000019331 XP_033746445.1 50.4 139
62 2 1 132 735 873 1.80E-23 117.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000019332 6596 682.2 UdeM00000019332 XP_045164400.1 72.4 468
117 2 1 457 271 737 5.50E-193 682.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019333 6596 228.8 UdeM00000019333 XP_045164400.1 65.4 179
60 1 1 177 220 398 6.90E-57 228.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019334 6596 72.8 UdeM00000019334 XP_045164400.1 59.4 69
24 1 27 91 201 269 2.70E-10 72.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019335 6565 152.9 UdeM00000019335 XP_022298399.1 60.9 115
40 1 1 110 1354 1468 2.80E-34 152.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019336 6596 2066.6 UdeM00000019336 XP_045164400.1 60.5
1808 627 24 1 1772 1 1756 0.00E+00 2066.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019337 6565 132.1 UdeM00000019337 XP_022299305.1 90.3 72
7 0 6 77 13 84 3.00E-28 132.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019338 6596 215.7 UdeM00000019338 XP_045166851.1 56.3 174
73 2 1 171 1 174 5.30E-53 215.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019339 6596 233 UdeM00000019339 XP_045167134.1 44.7 331
97 6 1 327 1 249 5.50E-58 233 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019340 6596 146.7 UdeM00000019340 XP_045167134.1 34.8 382
186 10 40 377 353 715 7.70E-32 146.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019341 6596 494.2 UdeM00000019341 XP_045167134.1 63.1 398
139 5 8 401 851 1244 1.60E-136 494.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019342 6596 1221.8 UdeM00000019342 XP_045166252.1 67.1
916 273 6 19 908 13 926 0.00E+00 1221.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019343 6596 233.4 UdeM00000019343 XP_045165769.1 75.3 146
36 0 13 158 27 172 2.20E-58 233.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019344 6596 964.9 UdeM00000019344 XP_045165769.1 63.3 739
250 5 1 723 204 937 5.70E-278 964.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019348 29159 79 UdeM00000019348 XP_034305523.1 41.7 96
48 2 20 108 90 184 4.40E-12 79 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019350 29159 201.8 UdeM00000019350 XP_034305523.1 54.2 166
76 0 1 166 737 902 6.80E-49 201.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019351 6596 780.8 UdeM00000019351 XP_045167316.1 47 815
414 4 6 816 5 805 1.70E-222 780.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019352 6596 367.5 UdeM00000019352 XP_045165397.1 49.2 317
152 2 3 315 4 315 1.70E-98 367.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019353 6596 370.2 UdeM00000019353 XP_045165397.1 49.4 318
152 2 3 316 4 316 2.70E-99 370.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019354 6596 369 UdeM00000019354 XP_045165397.1 53.4 311
142 3 11 320 8 316 6.10E-99 369 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019355 6596 337.4 UdeM00000019355 XP_045165397.1 52.6 291
137 1 3 293 27 316 1.80E-89 337.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019356 6596 397.5 UdeM00000019356 XP_045165397.1 55 309
138 1 7 315 8 315 1.60E-107 397.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019357 6596 157.9 UdeM00000019357 XP_045165397.1 45 151
 82 1 29 179 92 241 1.20E-35 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019358 6596 322 UdeM00000019358 XP_045165424.1 38.1 528
 298 11 24 534 87 602 1.80E-84 322 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019359 6579 473 UdeM00000019359 XP_033744665.1 62.5 381
 137 3 1 375 1 381 3.50E-130 473 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019360 6565 102.4 UdeM00000019360 XP_022301665.1 30.9 265
 153 7 9 250 27 284 8.50E-19 102.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019361 6596 547.4 UdeM00000019361 XP_045166763.1 63.5 430
 154 2 1 427 1 430 1.70E-152 547.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019362 6596 319.7 UdeM00000019362 XP_045166331.1 52.6 369
 151 8 1 366 1 348 4.80E-84 319.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019363 6596 595.1 UdeM00000019363 XP_045166333.1 75.3 392
 90 5 3 388 350 740 6.30E-167 595.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019368 6596 200.3 UdeM00000019368 XP_045165360.1 57.1 154
 66 0 1 154 1 154 1.80E-48 200.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019367 6596 202.6 UdeM00000019367 XP_045165360.1 58.8 153
 63 0 9 161 2 154 3.80E-49 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019369 6596 191.8 UdeM00000019369 XP_045164846.1 56.6 159
 68 1 3 161 2 159 6.70E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019370 6596 238.8 UdeM00000019370 XP_045164850.1 74.1 158
 40 1 1 157 1 158 4.70E-60 238.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019371 29159 140.2 UdeM00000019371 XP_034317709.1 42.4 191
 100 6 6 193 303 486 2.90E-30 140.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019372 29159 95.1 UdeM00000019372 XP_034317709.1 33 218
 116 7 14 230 202 390 1.70E-16 95.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019373 6573 177.2 UdeM00000019373 XP_021356984.1 52.3 176
 81 3 44 216 32 207 2.40E-41 177.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019374 6596 414.1 UdeM00000019374 XP_045164956.1 49.8 402
 195 3 10 408 6 403 2.10E-112 414.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019376 6565 1289.2 UdeM00000019376 XP_022297721.1 67.8
 1390 411 12 166 1535 86 1459 0.00E+00 1289.2 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019377 6596 883.6 UdeM00000019377 XP_045165907.1 58.8 687
 268 7 9 684 8 690 1.60E-253 883.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019378 6596 912.1 UdeM00000019378 XP_045165907.1 58 712
 283 6 8 707 7 714 4.30E-262 912.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019379 7574 105.5 UdeM00000019379 XP_013396733.1 35.1 194
 89 2 108 264 55 248 1.00E-19 105.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000019380 6596 120.2 UdeM00000019380 XP_045216733.1 42.2 135
71 1 5 139 385 512 2.20E-24 120.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019381 6596 238 UdeM00000019381 XP_045216732.1 44.5 272
130 3 7 272 248 504 1.60E-59 238 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019382 6596 170.6 UdeM00000019382 XP_045216732.1 52 150
71 1 96 245 234 382 2.50E-39 170.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019383 6596 66.2 UdeM00000019383 XP_045216733.1 35.6 87
49 1 43 129 433 512 3.60E-08 66.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019385 6573 88.2 UdeM00000019385 XP_021370045.1 26.7 243
158 6 105 333 730 966 2.90E-14 88.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019384 6573 88.2 UdeM00000019384 XP_021370045.1 26.7 243
158 6 182 410 730 966 3.40E-14 88.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019386 29159 371.3 UdeM00000019386 XP_011415226.1 61.8 296
112 1 1 295 1 296 1.30E-99 371.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019388 6573 380.9 UdeM00000019388 XP_021351964.1 56 316
128 5 13 321 15 326 1.60E-102 380.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019387 6573 503.4 UdeM00000019387 XP_021351964.1 57.5 407
162 5 13 412 15 417 2.80E-139 503.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019389 6596 588.2 UdeM00000019389 XP_045164321.1 43.3 781
418 14 10 778 36 803 1.60E-164 588.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019390 6596 580.9 UdeM00000019390 XP_045164321.1 44 702
379 7 5 698 36 731 2.50E-162 580.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019391 143950 61.2 UdeM00000019391 XP_025407278.1 35
123 67 4 272 390 117 230 3.30E-06 61.2 143950
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;Aphidomorpha;Aphidoidea;Aphididae;Chaitophorinae;Sipha;Sipha flava

UdeM00000019392 6412 144.4 UdeM00000019392 XP_009015452.1 47.3 146
77 0 1 146 1 146 1.10E-31 144.4 6412 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;Helobdella;Helobdella robusta

UdeM00000019393 7719 204.5 UdeM00000019393 XP_004227365.1 54.7 161
73 0 6 166 2 162 1.00E-49 204.5 7719 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000019394 6573 109.8 UdeM00000019394 XP_021368922.1 57.1 98
39 2 5 100 21 117 6.90E-21 109.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019395 6596 432.6 UdeM00000019395 XP_045167166.1 78.7 268
56 1 37 304 223 489 4.30E-118 432.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019396 6596 429.9 UdeM00000019396 XP_045167166.1 81.7 252
46 0 12 263 238 489 2.40E-117 429.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019397 211228 164.5 UdeM00000019397 XP_015592401.1 32.4
315 184 5 15 312 3 305 2.50E-37 164.5 211228
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Cephoidea;Cephididae;Cephus;Cephus cinctus

UdeM00000019398 29159 236.5 UdeM00000019398 XP_034306524.1 53.7 246
104 3 1 245 1 237 3.60E-59 236.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019399 6596 1168.3 UdeM00000019399 XP_045166623.1 79.1
 818 165 3 1 812 1 818 0.00E+00 1168.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019400 6596 1196 UdeM00000019400 XP_045166623.1 83.4 821
 133 2 1 821 1 818 0.00E+00 1196 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019401 6596 641 UdeM00000019401 XP_045166493.1 61.5 592
 200 6 471 1059 529 1095 2.70E-180 641 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019402 6596 272.3 UdeM00000019402 XP_045166493.1 54.2 347
 124 3 47 361 1096 1439 9.70E-70 272.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019403 29159 591.7 UdeM00000019403 XP_011444116.2 65.5 490
 146 7 5 490 26 496 8.80E-166 591.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019404 29159 554.7 UdeM00000019404 XP_011444116.2 65.8 453
 132 7 5 453 26 459 1.20E-154 554.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019407 29159 74.3 UdeM00000019407 XP_034307878.1 32.3 99
 67 0 1 99 92 190 2.90E-10 74.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019408 29159 212.2 UdeM00000019408 XP_034312908.1 28 649
 343 21 9 564 6 623 1.70E-51 212.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019409 6579 76.3 UdeM00000019409 XP_033744435.1 47.3 93
 46 3 10 101 462 552 2.80E-11 76.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019410 6573 67.4 UdeM00000019410 XP_021345511.1 67.9 53
 17 0 4 56 43 95 1.30E-08 67.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000019411 6596 747.7 UdeM00000019411 XP_045167219.1 68.9 556
144 5 1 555 87 614 1.10E-212 747.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019412 6596 808.5 UdeM00000019412 XP_045165346.1 48.3 1095
414 28 612 1636 652 1664 1.50E-230 808.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019413 1735272 134 UdeM00000019413 XP_041352779.1 43.6
156 81 3 2 155 55 205 2.60E-28 134 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019414 1735272 131.3 UdeM00000019414 XP_041352779.1 43.2
155 81 3 2 154 55 204 1.00E-27 131.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019416 6596 1120.5 UdeM00000019416 XP_045166222.1 61.1
906 333 9 17 908 396 1296 0.00E+00 1120.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019418 6500 98.6 UdeM00000019418 XP_012938236.1 34.6 156
95 2 13 161 19 174 7.70E-18 98.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000019417 6500 98.6 UdeM00000019417 XP_012938236.1 33.5 167
101 3 7 166 11 174 8.00E-18 98.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000019419 29159 231.5 UdeM00000019419 XP_034317976.1 59 178
72 1 1 177 484 661 8.40E-58 231.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000019420 29159 599.7 UdeM00000019420 XP_034317976.1 48.5 655
304 8 2 626 10 661 4.10E-168 599.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019421 6596 441.4 UdeM00000019421 XP_045164186.1 62.6 356
 126 2 1 350 1 355 1.10E-120 441.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019422 6596 1166.8 UdeM00000019422 XP_045164511.1 75.6
 766 181 3 39 798 29 794 0.00E+00 1166.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044476 441366 170.2 UdeM00000044476 XP_028296753.1 38.4
 284 158 9 6 285 32 302 3.70E-39 170.2 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000044477 441366 132.9 UdeM00000044477 XP_028326620.1 40.6
 197 107 5 1 194 48 237 4.50E-28 132.9 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000044478 6573 235.3 UdeM00000044478 XP_021355947.1 52.4 267
 104 7 4 258 3 258 9.00E-59 235.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029713 6565 80.9 UdeM00000029713 XP_022291345.1 59.6 52
 21 0 613 664 555 606 6.90E-12 80.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029714 6579 72.8 UdeM00000029714 XP_033742581.1 38.7 93
 54 1 10 99 95 187 3.10E-10 72.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029715 6565 98.2 UdeM00000029715 XP_022302274.1 37.9 145
 54 2 154 263 159 302 1.60E-17 98.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029716 6596 116.3 UdeM00000029716 XP_045199965.1 42.3 137
 77 1 2223 2357 1245 1381 5.20E-22 116.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029718 6579 127.9 UdeM00000029718 XP_033736443.1 64.1 92
 33 0 1 92 194 285 7.30E-27 127.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029719 6596 254.2 UdeM00000029719 XP_045197663.1 31.9 448
 189 6 107 547 1149 1487 8.30E-64 254.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029720 6573 64.7 UdeM00000029720 XP_021362785.1 40.3 77
 42 2 293 366 1146 1221 2.80E-07 64.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029722 6596 371.3 UdeM00000029722 XP_045197606.1 34.6 624
 300 12 411 1004 1835 2380 3.80E-99 371.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029721 6596 371.3 UdeM00000029721 XP_045197606.1 34.6 624
 300 12 589 1182 1835 2380 4.50E-99 371.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029724 6596 359.4 UdeM00000029724 XP_045197598.1 37.2 521
 227 7 585 1065 1524 1984 1.60E-95 359.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029728 6596 360.9 UdeM00000029728 XP_045197598.1 37.5 526
 225 6 525 1011 1524 1984 5.20E-96 360.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029730 6579 207.6 UdeM00000029730 XP_033741736.1 53.6 196
 89 1 1 194 671 866 1.50E-50 207.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029733 1415580 80.9 UdeM00000029733 XP_030066010.1 27.2
 246 133 8 9 217 247 483 2.30E-12 80.9 1415580
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor

UdeM00000029734 6596 139.8 UdeM00000029734 XP_045197598.1 36.1 219
97 2 63 243 1773 1986 4.60E-30 139.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029735 6596 215.3 UdeM00000029735 XP_045197621.1 35.1 345
160 8 175 516 61 344 1.80E-52 215.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029739 6596 355.1 UdeM00000029739 XP_045197606.1 37.5 573
239 8 660 1188 1883 2380 3.40E-94 355.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029741 6596 66.6 UdeM00000029741 XP_045195775.1 32.7 110
69 3 19 126 190 296 2.60E-08 66.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029742 6596 351.3 UdeM00000029742 XP_045197598.1 35.5 547
235 5 860 1368 1520 1986 5.60E-93 351.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029743 10224 68.9 UdeM00000029743 XP_006820186.1 50.8 59
29 0 29 87 175 233 3.60E-09 68.9 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii

UdeM00000029744 151771 132.1 UdeM00000029744 XP_028415423.1 30.4
369 210 11 4 334 7 366 1.40E-27 132.1 151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea

UdeM00000029745 6596 164.5 UdeM00000029745 XP_045197621.1 30.4 335
199 6 564 892 7 313 7.40E-37 164.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029747 6596 357.1 UdeM00000029747 XP_045197598.1 36.8 519
231 6 596 1075 1524 1984 8.00E-95 357.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029750 27794 87.4 UdeM00000029750 XP_043351520.1 30.6 206
118 7 13 211 150 337 2.40E-14 87.4 27794 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Americhelydia;Chelonioidea;Dermochelyidae;Dermochelys;Dermochelys coriacea

UdeM00000029751 6596 352.4 UdeM00000029751 XP_045197598.1 36.1 548
230 6 1166 1674 1520 1986 3.10E-93 352.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029752 6565 90.5 UdeM00000029752 XP_022318775.1 46.4 110
55 3 1 107 1 109 1.70E-15 90.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029753 37621 253.4 UdeM00000029753 XP_014673981.1 48.9 278
124 7 47 308 37 312 3.70E-64 253.4 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000029755 6596 167.2 UdeM00000029755 XP_045197621.1 34.5 255
138 4 454 705 84 312 9.80E-38 167.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029756 50429 73.2 UdeM00000029756 XP_022790680.1 46.2 80
37 3 3 80 40 115 4.40E-10 73.2 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000029757 2652724 119 UdeM00000029757 XP_028515960.1 30.9
262 89 5 3 173 4 264 6.20E-24 119 2652724

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000029758 6596 365.9 UdeM00000029758 XP_045197598.1 37.3 531
228 7 676 1167 1520 1984 1.90E-97 365.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029760 1234273 78.6 UdeM00000029760 XP_027000537.1 29.6
135 91 2 18 152 70 200 9.10E-12 78.6 1234273

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossoccephalai;Clupeoce

phala;Otomorpha;Ostariophysii;Otophysi;Characiphysae;Siluriformes;Siluroid
ei;Bagridae;Tachysurus;Tachysurus fulvidraco

UdeM00000029759 1234273 78.6 UdeM00000029759 XP_027000537.1 29.6
135 91 2 18 152 70 200 9.80E-12 78.6 1234273
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysii;Otophysi;Characiphysae;Siluriformes;Siluroid
ei;Bagridae;Tachysurus;Tachysurus fulvidraco

UdeM00000029762 6596 207.6 UdeM00000029762 XP_045196404.1 28.4 633
370 18 11 591 188 789 4.30E-50 207.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029763 6596 1331.2 UdeM00000029763 XP_045178231.1 51.8
1428 576 9 10 1420 217 1548 0.00E+00 1331.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029764 6596 1428.3 UdeM00000029764 XP_045178231.1 50.4
1572 671 12 51 1611 74 1548 0.00E+00 1428.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029765 6596 379.4 UdeM00000029765 XP_045195620.1 58.5 301
124 1 29 329 40 339 4.60E-102 379.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029766 1735272 503.4 UdeM00000029766 XP_041374187.1 53.9
488 197 9 1 480 1 468 3.10E-139 503.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029767 6579 265.8 UdeM00000029767 XP_033764274.1 49.2 236
115 2 1 233 361 594 5.30E-68 265.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029768 6596 239.6 UdeM00000029768 XP_045173143.1 54.5 224
94 4 1 220 89 308 3.80E-60 239.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029769 6596 273.5 UdeM00000029769 XP_045173143.1 53.6 252
 109 4 3 250 61 308 2.70E-70 273.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029770 6596 95.9 UdeM00000029770 XP_045179943.1 29.9 174
 107 2 32 190 10 183 8.40E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029771 6565 555.8 UdeM00000029771 XP_022287588.1 63.3 392
 144 0 6 397 2 393 4.40E-155 555.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029772 6579 968.8 UdeM00000029772 XP_033741161.1 67.4 733
 214 4 1 725 1 716 3.90E-279 968.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029773 6596 265 UdeM00000029773 XP_045197939.1 66.7 186
 57 1 9 189 33 218 7.80E-68 265 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029774 7604 303.5 UdeM00000029774 XP_033633146.1 41 390
 212 3 262 633 29 418 6.40E-79 303.5 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroiidae;Asterias;Asterias rubens

UdeM00000029775 6596 451.4 UdeM00000029775 XP_045197939.1 67.4 322
 102 2 46 366 220 539 1.10E-123 451.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029776 29159 163.3 UdeM00000029776 XP_034319761.1 39.1 207
 116 4 595 800 1556 1753 1.70E-36 163.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029777 6565 72.8 UdeM00000029777 XP_022294141.1 48.5 68
 34 1 75 142 27 93 4.00E-10 72.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029778 6596 347.4 UdeM00000029778 XP_045196451.1 47.1 448
 196 14 8 433 91 519 2.60E-92 347.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029779 6596 793.5 UdeM00000029779 XP_045197470.1 52.6 734
345 3 1 732 1 733 2.30E-226 793.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029780 1735272 337.8 UdeM00000029780 XP_041368620.1 51.1
331 145 3 8 338 7 320 1.60E-89 337.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029781 6596 447.2 UdeM00000029781 XP_045178889.1 28.2 1350
770 50 73 1286 126 1412 7.10E-122 447.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029782 6596 1149.8 UdeM00000029782 XP_045197475.1 55.8
1014 430 9 7 1013 30 1032 0.00E+00 1149.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029783 6596 927.5 UdeM00000029783 XP_045159593.1 67.1 689
220 3 1 689 1 682 9.50E-267 927.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029784 6596 343.6 UdeM00000029784 XP_045195330.1 38.9 447
243 6 4 424 50 492 3.60E-91 343.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029786 6579 379 UdeM00000029786 XP_033749291.1 37.1 626
380 7 11 626 823 1444 1.20E-101 379 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029787 222816 183.3 UdeM00000029787 XP_012285318.1 35.5
355 212 5 1 338 289 643 5.10E-43 183.3 222816
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Orussoidea;Or
ussidae;Orussus;Orussus abietinus

UdeM00000029788 6596 151 UdeM00000029788 XP_045216663.1 41.7 168
98 0 16 183 2 169 1.50E-33 151 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029790 6565 313.9 UdeM00000029790 XP_022329040.1 36 519
319 6 11 520 14 528 4.00E-82 313.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029792 202533 316.2 UdeM00000029792 XP_035214221.1 38.1
507 291 6 9 499 19 518 7.70E-83 316.2 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000029794 136037 384.8 UdeM00000029794 XP_021919438.1 36.7
633 384 7 8 626 5 634 2.30E-103 384.8 136037
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidae;Termopsidae;Termopsinae;Termopsini;Zootermopsis;Zootermopsis nevadensis

UdeM00000029796 136037 392.1 UdeM00000029796 XP_021919438.1 36.8
633 383 7 8 626 5 634 1.30E-105 392.1 136037
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidae;Termopsidae;Termopsinae;Termopsini;Zootermopsis;Zootermopsis nevadensis

UdeM00000029797 8673 118.6 UdeM00000029797 XP_026565175.1 38.8 178
104 3 10 183 515 691 8.60E-24 118.6 8673 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Serpentes;Colubroidea;Elapidae;Acanthophiinae;Pseudonaja;Pseudonaja textilis

UdeM00000029798 202533 271.6 UdeM00000029798 XP_035214221.1 43.3
335 186 3 9 342 19 350 1.40E-69 271.6 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000029799 6579 374.8 UdeM00000029799 XP_033749291.1 36.7 616
376 7 11 616 823 1434 2.10E-100 374.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029800 136037 385.6 UdeM00000029800 XP_021919438.1 36.5
633 385 7 8 626 5 634 1.20E-103 385.6 136037
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea

toidea;Termitoidae;Termopsidae;Termopsinae;Termopsini;Zootermopsis;Zootermopsis nevadensis

UdeM00000029801 136037 384 UdeM00000029801 XP_021919437.1 36.8
634 383 8 8 626 5 635 3.60E-103 384 136037
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidae;Termopsidae;Termopsinae;Termopsini;Zootermopsis;Zootermopsis nevadensis

UdeM00000029802 136037 383.6 UdeM00000029802 XP_021919438.1 36.3
633 386 7 8 626 5 634 4.70E-103 383.6 136037
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidae;Termopsidae;Termopsinae;Termopsini;Zootermopsis;Zootermopsis nevadensis

UdeM00000029804 136037 383.3 UdeM00000029804 XP_021919438.1 36.7
633 384 7 8 626 5 634 6.20E-103 383.3 136037
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidae;Termopsidae;Termopsinae;Termopsini;Zootermopsis;Zootermopsis nevadensis

UdeM00000029806 136037 391 UdeM00000029806 XP_021919438.1 36.7
633 384 7 8 626 5 634 3.00E-105 391 136037
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidae;Termopsidae;Termopsinae;Termopsini;Zootermopsis;Zootermopsis nevadensis

UdeM00000029807 6596 386.7 UdeM00000029807 XP_045216663.1 35.8 626
390 5 11 626 13 636 5.60E-104 386.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029808 136037 383.3 UdeM00000029808 XP_021919437.1 36.6
634 384 8 8 626 5 635 6.20E-103 383.3 136037
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidae;Termopsidae;Termopsinae;Termopsini;Zootermopsis;Zootermopsis nevadensis

UdeM00000029809 118141 204.9 UdeM00000029809 XP_036393933.1 32.7
364 242 3 1 363 127 488 1.90E-49 204.9 118141
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Elopiformes;Megalopidae;Megalops;Megalops cyprinoides
 UdeM00000029810 6596 285 UdeM00000029810 XP_045195422.1 37.3 408
 232 7 77 476 125 516 1.70E-73 285 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029811 6596 284.6 UdeM00000029811 XP_045195422.1 37 416
 222 6 8 407 125 516 1.90E-73 284.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029812 400727 939.1 UdeM00000029812 XP_025112799.1 75.5
 612 149 1 76 686 37 648 3.20E-270 939.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000029813 6596 1112.1 UdeM00000029813 XP_045196540.1 49.7
 1400 612 37 12 1387 211 1542 0.00E+00 1112.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029814 6579 1375.9 UdeM00000029814 XP_033741190.1 60.8
 1212 447 19 110 1310 578 1772 0.00E+00 1375.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029815 6596 385.2 UdeM00000029815 XP_045196390.1 44.7 573
 224 14 12 571 32 524 1.50E-103 385.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029816 6596 502.3 UdeM00000029816 XP_045198045.1 61.2 400
 155 0 1 400 144 543 6.00E-139 502.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029817 6596 177.6 UdeM00000029817 XP_045198045.1 62.8 129
 46 2 1 128 1 128 1.10E-41 177.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029818 6596 131 UdeM00000029818 XP_045198045.1 49.2 126
 51 1 26 138 418 543 1.40E-27 131 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029819 6573 91.3 UdeM00000029819 XP_021380018.1 59.4 69
28 0 1 69 173 241 5.40E-16 91.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029820 6596 736.9 UdeM00000029820 XP_045198045.1 64.9 544
189 2 1 543 1 543 1.90E-209 736.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029821 6579 59.7 UdeM00000029821 XP_033761099.1 22.7 321
213 10 79 377 5 312 9.60E-06 59.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029822 6596 715.7 UdeM00000029822 XP_045198045.1 63.8 544
192 3 1 540 1 543 4.60E-203 715.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029823 6579 540 UdeM00000029823 XP_033739920.1 49.7 537
239 5 1 507 1 536 3.30E-150 540 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029824 6596 97.4 UdeM00000029824 XP_045198045.1 57.5 73
31 0 1 73 471 543 9.80E-18 97.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029825 6596 548.5 UdeM00000029825 XP_045198045.1 63.1 425
154 2 1 423 1 424 7.70E-153 548.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029826 29159 548.1 UdeM00000029826 XP_011428614.2 50 550
243 5 1 524 1 544 1.20E-152 548.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029827 6596 274.2 UdeM00000029827 XP_045196350.1 64.4 208
71 3 52 259 53 257 1.70E-70 274.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029828 6573 1037.7 UdeM00000029828 XP_021354033.1 47.5
 1188 558 17 1 1172 1 1138 1.10E-299 1037.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029829 6596 272.7 UdeM00000029829 XP_045196345.1 59.8 219
 85 1 1 219 34 249 4.10E-70 272.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029830 400727 332.8 UdeM00000029830 XP_025097668.1 86.7
 180 24 0 1 180 1 180 2.70E-88 332.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000029831 6573 624.8 UdeM00000029831 XP_021359228.1 33.9 1108
 698 15 134 1218 24 1120 2.30E-175 624.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029832 37621 131.7 UdeM00000029832 XP_014676916.1 29.7 350
 174 10 34 327 7 340 2.20E-27 131.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000029833 1735272 243 UdeM00000029833 XP_041353997.1 83.2
 137 23 0 18 154 44 180 2.40E-61 243 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029834 6573 614.8 UdeM00000029834 XP_021359228.1 33.1 1111
 703 15 122 1206 24 1120 2.40E-172 614.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029835 6573 501.9 UdeM00000029835 XP_021359228.1 30.7 1218
 770 24 118 1317 26 1187 2.50E-138 501.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029836 6565 293.1 UdeM00000029836 XP_022291971.1 63.6 236
 75 2 2 227 3 237 3.10E-76 293.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029837 6596 601.3 UdeM00000029837 XP_045197593.1 51.9 626
 262 10 22 621 287 899 1.40E-168 601.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029838 7741 278.5 UdeM00000029838 XP_019622111.1 50.5 281
 134 4 5 283 1 278 9.60E-72 278.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000029840 6596 479.6 UdeM00000029840 XP_045197069.1 41.3 659
 293 10 8 661 100 669 6.60E-132 479.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029839 6596 596.3 UdeM00000029839 XP_045197069.1 43 758
 337 11 1 752 1 669 5.50E-167 596.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029841 6596 101.3 UdeM00000029841 XP_045197068.1 52 98
 44 2 1 98 468 562 7.40E-19 101.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029842 6596 77 UdeM00000029842 XP_045201878.1 56.7 67
 25 1 1 63 1 67 1.50E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029843 6596 272.7 UdeM00000029843 XP_045197050.1 61.6 198
 75 1 66 262 710 907 8.50E-70 272.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029844 6596 725.3 UdeM00000029844 XP_045197050.1 52.6 701
 302 9 23 707 24 710 7.50E-206 725.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029845 1735272 151.4 UdeM00000029845 XP_041351901.1 61.5
 122 45 1 1 120 1 122 7.50E-34 151.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029846 6596 496.1 UdeM00000029846 XP_045197821.1 47.4 546
 270 9 20 557 9 545 5.80E-137 496.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029847 6596 581.3 UdeM00000029847 XP_045195290.1 40 821
 456 11 5 820 27 815 2.00E-162 581.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029849 6596 96.3 UdeM00000029849 XP_045195284.1 31.3 201
 118 7 1 198 7 190 4.80E-17 96.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029850 6596 394.8 UdeM00000029850 XP_045195290.1 39.6 553
 291 4 1 553 233 742 3.00E-106 394.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029851 6596 194.9 UdeM00000029851 XP_045195297.1 33.9 363
 222 3 377 739 97 441 9.10E-46 194.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029852 6596 198.4 UdeM00000029852 XP_045195290.1 33.7 365
 223 4 308 672 472 817 7.90E-47 198.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029853 6596 194.5 UdeM00000029853 XP_045195297.1 33.9 363
 222 3 686 1048 97 441 1.10E-45 194.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029854 6596 553.5 UdeM00000029854 XP_045195290.1 39 820
 465 9 5 820 27 815 4.50E-154 553.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029856 6596 117.1 UdeM00000029856 XP_045195290.1 47.5 122
 64 0 1 122 195 316 1.70E-23 117.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029857 6596 288.1 UdeM00000029857 XP_045195290.1 34.4 508
 283 7 1 477 327 815 2.10E-74 288.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029858 6596 564.7 UdeM00000029858 XP_045195290.1 39 821
 464 11 5 820 27 815 1.90E-157 564.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029859 6596 400.2 UdeM00000029859 XP_045195290.1 37.8 624
 357 7 1 599 195 812 4.70E-108 400.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029860 6596 549.7 UdeM00000029860 XP_045195290.1 38.5 820
 469 8 5 820 27 815 6.50E-153 549.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029862 6596 520.8 UdeM00000029862 XP_045195290.1 40.1 735
 405 9 7 736 29 733 2.90E-144 520.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029864 6596 560.8 UdeM00000029864 XP_045195290.1 39.2 821
 462 11 5 820 27 815 2.80E-156 560.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029866 6565 62.4 UdeM00000029866 XP_022334943.1 43.3 67
 38 0 2 68 112 178 3.10E-07 62.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029868 6596 570.9 UdeM00000029868 XP_045197246.1 33.3 1300
 536 31 7 991 754 2037 3.30E-159 570.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029869 6596 391 UdeM00000029869 XP_045170511.1 31.7 773
 445 22 264 975 179 929 5.30E-105 391 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029870 6596 109.4 UdeM00000029870 XP_045196093.1 37.9 190
 112 5 10 196 290 476 5.40E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029872 6596 325.1 UdeM00000029872 XP_045197245.1 33.2 707
425 22 128 804 664 1353 2.60E-85 325.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029873 6596 122.9 UdeM00000029873 XP_045197368.1 32.1 243
160 4 19 259 163 402 6.40E-25 122.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029874 6573 188.7 UdeM00000029874 XP_021358159.1 37.2 298
174 7 6 293 366 660 1.60E-44 188.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029875 6596 189.5 UdeM00000029875 XP_045197249.1 42.3 253
137 4 220 468 438 685 1.10E-44 189.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029876 6596 77.4 UdeM00000029876 XP_045197385.1 28.9 204
131 6 2 201 379 572 2.50E-11 77.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029877 6596 67.4 UdeM00000029877 XP_045197368.1 38 100
60 2 4 101 336 435 1.30E-08 67.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029880 6573 448.4 UdeM00000029880 XP_021344066.1 60.1 343
135 1 69 411 150 490 1.10E-122 448.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029881 441366 391.7 UdeM00000029881 XP_028296753.1 39.3
596 332 13 6 593 32 605 1.60E-105 391.7 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000029882 6596 513.5 UdeM00000029882 XP_045197246.1 39.6 826
357 14 7 704 1226 2037 4.40E-142 513.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029883 29159 329.7 UdeM00000029883 XP_034332444.1 48.9 350
163 5 378 720 1779 2119 9.20E-87 329.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029884 29159 407.9 UdeM00000029884 XP_034332444.1 60 320
119 3 7 317 1792 2111 1.20E-110 407.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029885 29159 405.2 UdeM00000029885 XP_034332444.1 57.9 337
127 4 7 337 1792 2119 8.10E-110 405.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029886 6596 408.7 UdeM00000029886 XP_045197249.1 36.8 684
397 20 29 685 438 1113 1.50E-110 408.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029887 29159 215.3 UdeM00000029887 XP_034332444.1 53.5 187
78 3 51 229 1926 2111 8.80E-53 215.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029888 29159 212.2 UdeM00000029888 XP_034332444.1 53.5 187
77 3 51 228 1926 2111 7.40E-52 212.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029890 6596 381.7 UdeM00000029890 XP_045197249.1 25.8 1471
498 36 123 1010 500 1959 3.00E-102 381.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029891 6596 201.8 UdeM00000029891 XP_045197245.1 31 630
357 18 634 1248 441 1007 5.00E-48 201.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029892 29159 411.4 UdeM00000029892 XP_034332444.1 55.8 346
143 4 6 341 1766 2111 1.20E-111 411.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029893 6596 599.4 UdeM00000029893 XP_045196094.1 35.1 1151
598 30 38 1096 268 1361 9.50E-168 599.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029894 6596 221.9 UdeM00000029894 XP_045195374.1 52.4 208
97 1 22 227 19 226 8.60E-55 221.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029895 6573 526.9 UdeM00000029895 XP_021360724.1 57.5 699
274 8 4 695 10 692 3.80E-146 526.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029896 6573 519.6 UdeM00000029896 XP_021360724.1 55.5 722
275 8 4 718 10 692 6.30E-144 519.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029898 6596 173.7 UdeM00000029898 XP_045197682.1 54.2 203
82 5 1 201 4 197 2.50E-40 173.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029899 6596 320.1 UdeM00000029899 XP_045196432.1 47.3 336
142 3 43 343 26 361 3.50E-84 320.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029900 6596 425.6 UdeM00000029900 XP_045196429.1 74 262
68 0 62 323 83 344 5.50E-116 425.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029901 6596 1147.9 UdeM00000029901 XP_045197475.1 55.4
1014 434 10 7 1013 30 1032 0.00E+00 1147.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029902 6596 1120.5 UdeM00000029902 XP_045197475.1 54.6
1007 431 9 7 991 30 1032 0.00E+00 1120.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029903 6596 1115.5 UdeM00000029903 XP_045197475.1 54.4
1007 433 9 7 991 30 1032 0.00E+00 1115.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029904	6596	1143.3		UdeM00000029904	XP_045197475.1	55.2				
1014	436	10	7	1013	30	1032	0.00E+00	1143.3	6596	

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029905	6579	505		UdeM00000029905	XP_033738649.1	63.2	383			
139	1	1	383	1	381	8.60E-140	505	6579	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029906	6579	619		UdeM00000029906	XP_033738649.1	64.7	453			
157	2	1	453	1	450	5.10E-174	619	6579	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029908	29159	79.3		UdeM00000029908	XP_011427293.2	35.1	154			
83	4	1	138	45	197	4.20E-12	79.3	29159	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029907	6596	110.5		UdeM00000029907	XP_045209482.1	44.2	147			
79	1	25	168	20	166	2.50E-21	110.5	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029911	6596	76.6		UdeM00000029911	XP_045209482.1	36.4	132			
81	1	1	129	59	190	2.80E-11	76.6	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029910	6596	111.3		UdeM00000029910	XP_045169739.1	36.9	198			
122	1	5	202	7	201	1.50E-21	111.3	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029914	6579	602.8		UdeM00000029914	XP_033738649.1	62.5	464			
160	3	1	464	1	450	3.90E-169	602.8	6579	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029915	6596	80.5		UdeM00000029915	XP_045187509.1	31.9	141			
95	1	1	141	65	204	2.10E-12	80.5	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029916 6596 112.8 UdeM00000029916 XP_045209482.1 46.2 143
 74 1 25 164 20 162 5.40E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029917 6596 72 UdeM00000029917 XP_045185101.1 30.6 144
 84 3 34 164 23 163 7.90E-10 72 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029918 6596 107.8 UdeM00000029918 XP_045209482.1 43.8 144
 75 2 1 144 1 138 1.80E-20 107.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029919 1735272 109.4 UdeM00000029919 XP_041374221.1 35.8
 187 110 3 20 202 12 192 5.50E-21 109.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029920 1735272 111.3 UdeM00000029920 XP_041357433.1 42.1
 152 85 2 39 189 14 163 1.60E-21 111.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029921 747089 85.5 UdeM00000029921 XP_025175728.1 27.2
 305 191 10 10 290 532 829 2.50E-13 85.5 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198
 UdeM00000029922 747089 95.9 UdeM00000029922 XP_025174809.1 28
 311 196 10 10 299 504 807 1.80E-16 95.9 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198
 UdeM00000029926 1735272 110.2 UdeM00000029926 XP_041374221.1 36.2
 185 110 3 19 199 12 192 3.20E-21 110.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029927 225164 108.2 UdeM00000029927 XP_009058199.1 49.2
 118 52 3 1 117 1 111 7.10E-21 108.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000029928	6579	216.5	UdeM00000029928	XP_033752673.1	56	200
70	1	1	182	453	652	2.90E-53

216.5 6579 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029929	225164	121.7	UdeM00000029929	XP_009058200.1	50.9	
108	53	0	4	111	108	215

5.90E-25 121.7 225164 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000029930	8175	234.2	UdeM00000029930	XP_030292627.1	57.5	181
77	0	9	189	11	191	1.40E-58

234.2 8175 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Spariformes;Sparidae;Sparus;Sparus aurata

UdeM00000029931	6596	112.1	UdeM00000029931	XP_045209482.1	46	139
72	1	29	164	24	162	8.80E-22

112.1 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029934	6596	107.5	UdeM00000029934	XP_045209482.1	43.8	144
75	2	1	144	1	138	2.30E-20

107.5 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029935	1735272	112.8	UdeM00000029935	XP_041374221.1	37.7	
167	96	1	1	167	34	192

4.20E-22 112.8 1735272 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029936	1735272	117.9	UdeM00000029936	XP_041374221.1	36.8	
190	107	3	27	212	12	192

1.60E-23 117.9 1735272 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029937	6596	105.9	UdeM00000029937	XP_045209482.1	40.7	167
84	3	13	175	8	163	6.50E-20

105.9 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029938	6596	99.8	UdeM00000029938	XP_045183938.1	36.7	177
93	4	5	177	14	175	4.70E-18

99.8 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029939 6596 114 UdeM00000029939 XP_045209482.1 44 159
79 3 24 177 14 167 2.30E-22 114 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029940 747089 95.9 UdeM00000029940 XP_025174809.1 28.9
315 188 12 10 299 504 807 1.80E-16 95.9 747089

cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM 181602=DAOM 197198

UdeM00000029941 1735272 105.5 UdeM00000029941 XP_041374221.1 38
163 96 2 1 162 34 192 6.40E-20 105.5 1735272

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029942 225164 107.1 UdeM00000029942 XP_009058199.1 48.3
118 53 3 1 117 1 111 1.60E-20 107.1 225164

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000029943 6579 265.4 UdeM00000029943 XP_033752673.1 63.5 200
73 0 1 200 453 652 5.90E-68 265.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029944 205130 82.8 UdeM00000029944 XP_026180020.1 50.8
65 32 0 1 65 197 261 2.10E-13 82.8 205130

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Anabantaria;Synbranchiformes;Mastacembeloidei;Mastacembelidae;Mastacembelus;Mastacembelus armatus

UdeM00000029945 8175 231.9 UdeM00000029945 XP_030292627.1 56.9 181
78 0 9 189 11 191 6.90E-58 231.9 8175 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Spariformes;Sparidae;Sparus;Sparus aurata

UdeM00000029946 6596 112.1 UdeM00000029946 XP_045209482.1 46.8 139
71 1 29 164 24 162 8.80E-22 112.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000029948 6596 107.8 UdeM00000029948 XP_045209482.1 43.8 144
 75 2 1 144 1 138 1.50E-20 107.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029950 1735272 116.7 UdeM00000029950 XP_041374221.1 36.3
 190 108 3 22 207 12 192 3.60E-23 116.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029951 1735272 107.5 UdeM00000029951 XP_041357433.1 35.6
 188 113 5 48 231 11 194 2.40E-20 107.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029952 6412 79.7 UdeM00000029952 XP_009017487.1 61.4 57
 22 0 1 57 151 207 3.20E-12 79.7 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000029954 1735272 101.3 UdeM00000029954 XP_041370461.1 37
 189 104 5 64 248 13 190 1.90E-18 101.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029955 6596 97.8 UdeM00000029955 XP_045169739.1 38.1 155
 78 1 33 187 5 141 2.20E-17 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029956 6850 67.8 UdeM00000029956 XP_013781880.1 37.5 80
 50 0 2 81 218 297 7.80E-09 67.8 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000029957 6850 68.6 UdeM00000029957 XP_013778022.1 39.5 76
 46 0 3 78 138 213 5.30E-09 68.6 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000029960 6596 602.1 UdeM00000029960 XP_045197169.1 75.4 394
 80 4 2 393 79 457 5.20E-169 602.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029961 6579 190.3 UdeM00000029961 XP_033739677.1 84.2 101
 16 0 44 144 376 476 1.70E-45 190.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029962 6579 654.8 UdeM00000029962 XP_033739684.1 65.8 570
 160 15 1 551 1 554 9.50E-185 654.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029963 6596 362.1 UdeM00000029963 XP_045199074.1 62.2 270
 101 1 1 269 1 270 6.20E-97 362.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029964 6579 634 UdeM00000029964 XP_033741164.1 78.1 401
 81 4 11 405 61 460 1.30E-178 634 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029966 225164 60.5 UdeM00000029966 XP_009062033.1 40.4
 89 43 4 22 105 83 166 1.70E-06 60.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000029968 6596 316.2 UdeM00000029968 XP_045169256.1 31.3 633
 393 14 1 620 96 699 9.20E-83 316.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029969 225164 73.9 UdeM00000029969 XP_009063181.1 32.7
 205 109 4 1 182 1 199 2.40E-10 73.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000029970 8218 107.1 UdeM00000029970 XP_034071052.1 46.7 105
 55 1 3 106 137 241 1.50E-20 107.1 8218 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps
 UdeM00000029971 6596 65.9 UdeM00000029971 XP_045211214.1 27.3 172
 118 2 35 203 529 696 7.40E-08 65.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029972 6596 595.9 UdeM00000029972 XP_045198007.1 81.2 346
 65 0 29 374 28 373 3.60E-167 595.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029974 6573 115.5 UdeM00000029974 XP_021362122.1 36.6 183
 88 3 3 157 2 184 7.70E-23 115.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029975 225164 540.8 UdeM00000029975 XP_009055944.1 51
 576 215 8 1 563 1 522 2.10E-150 540.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000029976 10224 114 UdeM00000029976 XP_006811529.1 49.1 116
 50 2 59 165 5 120 1.80E-22 114 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000029977 2607531 455.7 UdeM00000029977 XP_029645990.1 60.5
 702 226 8 1 654 1 699 2.00E-124 455.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000029978 6579 493.8 UdeM00000029978 XP_033740915.1 61.2 358
 135 3 101 454 110 467 2.30E-136 493.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029979 6579 493.8 UdeM00000029979 XP_033740915.1 61.2 358
 135 3 87 440 110 467 2.30E-136 493.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029980 6596 214.2 UdeM00000029980 XP_045204166.1 35.3 300
 190 4 22 321 43 338 2.60E-52 214.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029982 6596 216.1 UdeM00000029982 XP_045204166.1 34.1 337
 214 6 18 354 10 338 7.50E-53 216.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029985 6596 100.5 UdeM00000029985 XP_045204166.1 32.2 152
 101 2 18 169 189 338 2.30E-18 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029984 6596 120.6 UdeM00000029984 XP_045204166.1 33.3 201
 128 4 21 221 144 338 2.70E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029988 6596 224.2 UdeM00000029988 XP_045204166.1 36.4 302
 188 4 43 344 32 329 2.70E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029991 6596 225.7 UdeM00000029991 XP_045204166.1 35.6 334
 202 6 18 351 16 336 9.40E-56 225.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029992 6596 225.3 UdeM00000029992 XP_045204166.1 33.2 316
 184 3 42 357 29 317 1.30E-55 225.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029993 1735272 246.9 UdeM00000029993 XP_041354081.1 46.4
 461 217 11 1 450 116 557 4.90E-62 246.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029994 1735272 278.5 UdeM00000029994 XP_041354081.1 46.3
 525 245 16 1 514 59 557 1.70E-71 278.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029995 7574 186 UdeM00000029995 XP_013384628.1 59 161
 57 2 1 161 33 184 3.80E-44 186 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000029996 6596 6917.4 UdeM00000029996 XP_045195814.1 81.2
 4213 780 6 1 4206 1 4208 0.00E+00 6917.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029997 6596 6714.4 UdeM00000029997 XP_045195814.1 81.1
 4106 762 7 1 4099 1 4100 0.00E+00 6714.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029998 6596 198.4 UdeM00000029998 XP_045197627.1 34.4 393
245 8 1 387 10 395 2.00E-47 198.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029999 6596 132.5 UdeM00000029999 XP_045196362.1 31.6 351
207 14 57 391 48 381 1.30E-27 132.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030000 29159 68.9 UdeM00000030000 XP_011438591.2 31.9 163
100 6 19 174 18 176 2.70E-08 68.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030001 6573 124.8 UdeM00000030001 XP_021345507.1 47.4 135
67 2 4 138 5 135 8.60E-26 124.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030002 6596 103.2 UdeM00000030002 XP_045169370.1 38.6 153
83 4 4 154 15 158 3.00E-19 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030003 6573 165.2 UdeM00000030003 XP_021347733.1 30.9 320
206 6 1 316 332 640 1.40E-37 165.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030004 6579 440.7 UdeM00000030004 XP_033740238.1 37 646
386 8 20 653 20 656 3.40E-120 440.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030005 6573 439.9 UdeM00000030005 XP_021347733.1 36.8 639
384 8 7 636 5 632 5.70E-120 439.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030006 6596 261.2 UdeM00000030006 XP_045169370.1 44.4 295
151 5 18 310 27 310 1.80E-66 261.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030008 6573 441.8 UdeM00000030008 XP_021347733.1 36.1 640
387 8 7 636 5 632 1.50E-120 441.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000030009 6596 956.1 UdeM00000030009 XP_045197367.1 49.5 1058
440 18 3 1030 2 995 3.80E-275 956.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030010 6596 955.3 UdeM00000030010 XP_045197367.1 49.6 1058
445 18 3 1036 2 995 6.40E-275 955.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030011 6579 278.1 UdeM00000030011 XP_033741736.1 54.9 244
108 1 1 242 614 857 1.10E-71 278.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000030012 109280 110.5 UdeM00000030012 XP_019729826.1 32.1
212 105 3 3 175 7 218 2.20E-21 110.5 109280
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Syngnathiaria;Syngnathiformes;Syngnathoidei;Syngnathidae;Hippocampinae;Hippocampus;Hippocampus comes
UdeM00000030014 6526 71.2 UdeM00000030014 XP_013078803.1 37.6 109
60 3 1 109 18 118 1.00E-09 71.2 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria glabrata
UdeM00000030015 70779 135.6 UdeM00000030015 XP_015755194.1 68.4 98
30 1 5 101 52 149 3.60E-29 135.6 70779 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera
UdeM00000030016 70779 135.2 UdeM00000030016 XP_015755194.1 68.4 98
30 1 16 112 52 149 5.20E-29 135.2 70779 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera
UdeM00000030017 6596 70.9 UdeM00000030017 XP_045197368.1 34.1 129
82 3 110 237 434 560 3.40E-09 70.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030019 7574 83.6 UdeM00000030019 XP_013413319.1 33.6 125
70 4 3 127 522 633 6.00E-13 83.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030020 6596 273.9 UdeM00000030020 XP_045168024.1 46.1 308
152 4 40 346 13 307 3.00E-70 273.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030021 6596 274.2 UdeM00000030021 XP_045168024.1 46.1 308
152 4 40 346 13 307 2.30E-70 274.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030022 6596 74.3 UdeM00000030022 XP_045197390.1 35.7 129
80 3 48 175 1 127 2.50E-10 74.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030023 70779 91.3 UdeM00000030023 XP_015755194.1 63.4 71
25 1 16 85 52 122 6.70E-16 91.3 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000030024 6596 67.8 UdeM00000030024 XP_045205019.1 29.9 167
110 6 73 237 221 382 2.80E-08 67.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030025 70779 177.2 UdeM00000030025 XP_015755194.1 61.5 148
53 2 4 147 2 149 1.60E-41 177.2 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000030027 6596 394.8 UdeM00000030027 XP_045169235.1 38.6 596
316 15 20 603 22 579 2.00E-106 394.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030029 6596 393.3 UdeM00000030029 XP_045195510.1 38.2 597
330 11 2 588 5 572 5.70E-106 393.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030030 29159 2068.1 UdeM00000030030 XP_034333968.1 87.5
1139 137 1 1 1134 1 1139 0.00E+00 2068.1

29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030031 6596 2113.2 UdeM00000030031 XP_045198448.1 58.4
 2517 936 12 1 2503 1 2419 0.00E+00 2113.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030032 1735272 232.3 UdeM00000030032 XP_041354771.1 40.7
 290 172 0 1 290 175 464 8.10E-58 232.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030033 1735272 231.9 UdeM00000030033 XP_041354771.1 41.1
 287 169 0 1 287 178 464 1.10E-57 231.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030034 29159 879.8 UdeM00000030034 XP_019925622.2 85 533
 77 1 1 533 1 530 1.80E-252 879.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030035 400727 193.7 UdeM00000030035 XP_025098134.1 54.7
 161 72 1 7 166 5 165 1.80E-46 193.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000030036 6596 789.6 UdeM00000030036 XP_045198229.1 76 508
 111 3 11 512 63 565 2.30E-225 789.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030037 6596 78.2 UdeM00000030037 XP_045158584.1 44.2 95
 50 2 15 109 50 141 8.90E-12 78.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030038 6573 152.1 UdeM00000030038 XP_021357585.1 56.2 128
 54 2 26 151 3 130 9.40E-34 152.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030040 6579 469.2 UdeM00000030040 XP_033740037.1 36.9 821
 456 14 11 811 1473 2251 1.20E-128 469.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030041 6573 438.7 UdeM00000030041 XP_021359425.1 27.9 1217
 761 24 4 1116 253 1456 2.20E-119 438.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030042 400727 257.7 UdeM00000030042 XP_025099514.1 78.8
198 41 1 1 197 3 200 1.20E-65 257.7 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000030043 6579 370.5 UdeM00000030043 XP_033740146.1 39.3 552
284 9 2 505 3 551 3.30E-99 370.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030044 6565 72.8 UdeM00000030044 XP_022290295.1 29.6 199
130 5 369 562 5 198 2.70E-09 72.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000030045 29159 420.2 UdeM00000030045 XP_011418174.2 40.9 580
301 9 3 541 4 582 3.90E-114 420.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030046 1735272 287.3 UdeM00000030046 XP_041373141.1 36.6
434 252 7 7 425 12 437 3.30E-74 287.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030047 6573 388.7 UdeM00000030047 XP_021349278.1 41.7 636
299 17 45 642 59 660 1.50E-104 388.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030048 6579 365.2 UdeM00000030048 XP_033740146.1 38.8 551
277 10 2 494 3 551 1.40E-97 365.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030049 6579 429.5 UdeM00000030049 XP_033740146.1 42.7 553
305 7 1 543 1 551 6.40E-117 429.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030050 6596 395.6 UdeM00000030050 XP_045165662.1 61 310
116 3 3 312 8 312 5.90E-107 395.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000030053 7574 376.7 UdeM00000030053 XP_013397625.1 46.8 387
199 4 4 386 5 388 3.50E-101 376.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030051	7574	379.8	UdeM00000030051	XP_013397625.1	45.9	401
207	5	4	397	5	402	4.90E-102

379.8 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030052	7574	571.2	UdeM00000030052	XP_013397625.1	48.7	579
289	5	4	577	5	580	1.50E-159

571.2 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030054	7574	205.7	UdeM00000030054	XP_023933057.1	50.2	201
99	1	20	219	185	385	6.20E-50

205.7 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030056	7574	434.5	UdeM00000030056	XP_013397625.1	47.9	447
227	3	4	447	5	448	1.70E-118

434.5 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030055	7574	545.4	UdeM00000030055	XP_013397625.1	47.3	584
300	5	4	582	5	585	8.60E-152

545.4 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030057	7574	109.4	UdeM00000030057	XP_013391382.1	45.6	125
67	1	1	124	459	583	3.40E-21

109.4 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030058	1735272	324.3	UdeM00000030058	XP_041351917.1	74.4	
203	51	1	1	203	1	202

1.10E-85 324.3 1735272 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030059	6596	184.5	UdeM00000030059	XP_045196404.1	35.1	276
170	5	160	430	518	789	2.90E-43

184.5 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030060	6596	183.7	UdeM00000030060	XP_045186528.1	35.9	276
148	4	162	437	415	661	4.90E-43

183.7 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030061	6596	362.1	UdeM00000030061	XP_045199078.1	35.1	596
338	14	8	580	10	579	1.50E-96

362.1 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030062 6596 186.4 UdeM00000030062 XP_045176508.1 36.6 273
 149 5 159 430 249 498 7.50E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030063 6579 689.5 UdeM00000030063 XP_033746880.1 52.1 674
 295 7 1 646 815 1488 4.10E-195 689.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030064 6565 158.7 UdeM00000030064 XP_022328252.1 44.1 211
 100 5 1 193 1105 1315 7.50E-36 158.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030066 6596 71.2 UdeM00000030066 XP_045215232.1 50 56
 27 1 4 59 7 61 2.00E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030065 6596 71.2 UdeM00000030065 XP_045215232.1 50 56
 27 1 4 59 7 61 2.30E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030067 6596 188 UdeM00000030067 XP_045176508.1 36.8 280
 154 5 184 463 242 498 2.80E-44 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030068 6596 188.3 UdeM00000030068 XP_045176508.1 36.9 279
 154 5 184 462 242 498 2.10E-44 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030069 6596 188.7 UdeM00000030069 XP_045176508.1 36.3 278
 146 6 155 429 249 498 1.50E-44 188.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030070 6579 250 UdeM00000030070 XP_033740793.1 38.1 367
 190 7 539 871 531 894 1.10E-62 250 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030071 29159 62.4 UdeM00000030071 XP_034315424.1 37.6 109
 58 4 12 116 213 315 1.00E-06 62.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030072 6596 191.4 UdeM00000030072 XP_045195920.1 62.8 145
 53 1 2 145 722 866 7.90E-46 191.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030073 7574 360.1 UdeM00000030073 XP_013381040.1 67.2 256
 78 3 16 270 56 306 2.40E-96 360.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000030074 400727 474.2 UdeM00000030074 XP_025081071.1 41.9
 640 341 8 85 715 108 725 3.00E-130 474.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000030075 6596 807 UdeM00000030075 XP_045196641.1 69.7 792
 212 2 3 794 4 767 2.20E-230 807 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030076 6596 679.5 UdeM00000030076 XP_045196646.1 66.7 558
 141 15 67 611 62 587 4.00E-192 679.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030077 6596 677.2 UdeM00000030077 XP_045196646.1 66.5 558
 141 15 67 610 62 587 2.00E-191 677.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030078 6596 681.4 UdeM00000030078 XP_045196646.1 67 557
 139 15 67 609 62 587 1.10E-192 681.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030079 6596 232.6 UdeM00000030079 XP_045195277.1 89.7 126
 13 0 63 188 2026 2151 4.00E-58 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030080 37653 288.1 UdeM00000030080 XP_014784607.1 67 206
 65 1 1 203 141 346 8.70E-75 288.1 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000030081 6596 82.4 UdeM00000030081 XP_045195285.1 24.9 422
272 12 17 429 35 420 1.60E-12 82.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030082 6596 81.6 UdeM00000030082 XP_045195285.1 24.9 422
272 12 17 429 35 420 4.70E-12 81.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030083 6579 61.2 UdeM00000030083 XP_033741021.1 28.1 228
135 6 11 222 41 255 2.00E-06 61.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000030085 6596 184.9 UdeM00000030085 XP_045195291.1 32.6 347
223 7 10 353 8 346 2.10E-43 184.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030086 6596 183.7 UdeM00000030086 XP_045195291.1 32.3 347
224 7 10 353 8 346 4.70E-43 183.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030087 6596 180.6 UdeM00000030087 XP_045195291.1 32.4 346
223 7 3 345 9 346 3.90E-42 180.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030088 6596 958.4 UdeM00000030088 XP_045196538.1 44.8 1508
670 36 1 1433 1 1421 1.20E-275 958.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030089 6596 692.2 UdeM00000030089 XP_045197843.1 58.6 534
212 5 5 535 65 592 5.60E-196 692.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030090 37653 520.4 UdeM00000030090 XP_014784610.1 63 408
133 5 1 391 1 407 2.00E-144 520.4 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000030092 6573 360.5 UdeM00000030092 XP_021380096.1 40.3 588
281 15 131 662 77 650 4.60E-96 360.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000030093 6596 216.9 UdeM00000030093 XP_045195162.1 65.4 162
56 0 4 165 1 162 2.00E-53 216.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030094 6596 476.5 UdeM00000030094 XP_045195164.1 87.2 337
43 0 1 337 1 337 3.40E-131 476.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030095 29159 306.2 UdeM00000030095 XP_011424929.3 40 448
216 9 8 442 27 434 6.80E-80 306.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000030096 6579 477.2 UdeM00000030096 XP_033739932.1 66.6 341
108 1 1 335 1 341 1.70E-131 477.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000030097 37653 1667.1 UdeM00000030097 XP_014779463.1 62.8
1450 486 14 45 1472 17 1434 0.00E+00 1667.1
37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000030098 37653 1670.2 UdeM00000030098 XP_014779463.1 62.7
1449 487 13 45 1471 17 1434 0.00E+00 1670.2
37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000030099 6596 7445.1 UdeM00000030099 XP_045195277.1 81.4
4552 832 3 63 4602 70 4619 0.00E+00 7445.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000030100 6596 100.5 UdeM00000030100 XP_045195265.1 41.3 167
84 6 22 177 13 176 2.40E-18 100.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030101 225164 123.6 UdeM00000030101 XP_009060400.1 28
 446 271 11 12 426 1 427 6.60E-25 123.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000030102 6565 531.9 UdeM00000030102 XP_022286442.1 80.2 318
 63 0 1 318 1 318 5.40E-148 531.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030103 6500 85.1 UdeM00000030103 XP_005091192.1 51.4 74
 36 0 20 93 7 80 5.10E-14 85.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000030105 1735272 84.7 UdeM00000030105 XP_041351986.1 49.4
 85 41 1 5 87 1 85 6.30E-14 84.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030104 225164 61.6 UdeM00000030104 XP_009060322.1 47.5
 59 31 0 5 63 1 59 5.90E-07 61.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000030106 6596 238.4 UdeM00000030106 XP_045182143.1 55.9 195
 85 1 17 211 21 214 8.20E-60 238.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030107 6105 304.3 UdeM00000030107 XP_031572471.1 42.5 369
 200 7 6 366 9 373 2.40E-79 304.3 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000030108 46731 315.1 UdeM00000030108 XP_027048652.1 43.4 371
 195 8 6 364 10 377 1.60E-82 315.1 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000030109 7574 357.5 UdeM00000030109 XP_023932609.1 37.4 548
 304 16 1 517 13 552 3.10E-95 357.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000030110 6596 115.2 UdeM00000030110 XP_045182143.1 41.4 152
 59 2 5 127 64 214 6.30E-23 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030111 48498 254.2 UdeM00000030111 XP_020620504.1 54.5 189
 85 1 9 196 576 764 1.90E-64 254.2 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000030113 6105 322.8 UdeM00000030113 XP_031572471.1 46.3 356
 180 7 10 358 22 373 7.90E-85 322.8 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000030115 6573 327.4 UdeM00000030115 XP_021362608.1 36.8 494
 279 12 1 472 16 498 3.20E-86 327.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030114 6573 327.4 UdeM00000030114 XP_021362608.1 36.8 494
 279 12 1 472 16 498 3.50E-86 327.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030118 6573 322.8 UdeM00000030118 XP_021362608.1 35.9 501
 286 13 2 479 9 497 8.00E-85 322.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030117 6573 322.8 UdeM00000030117 XP_021362608.1 35.9 501
 286 13 2 479 9 497 8.80E-85 322.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030119 7574 413.3 UdeM00000030119 XP_023932609.1 39.2 584
 322 14 1 557 13 590 5.60E-112 413.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000030120 7574 413.3 UdeM00000030120 XP_023932609.1 39.2 584
 322 14 1 557 13 590 5.60E-112 413.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000030121 6573 326.6 UdeM00000030121 XP_021362608.1 36.2 505
 288 12 2 484 9 501 5.20E-86 326.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030122 6105 319.7 UdeM00000030122 XP_031572471.1 44.4 369
 194 7 6 367 9 373 5.60E-84 319.7 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000030123 1735272 327.4 UdeM00000030123 XP_041361403.1 46.2
 357 181 7 17 366 21 373 3.20E-86 327.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030124 6596 75.1 UdeM00000030124 XP_045173548.1 47.4 57
 28 1 95 151 613 667 8.60E-11 75.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030125 48498 112.1 UdeM00000030125 XP_020620494.1 42.5 134
 62 2 131 260 728 850 1.20E-21 112.1 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000030126 45351 122.9 UdeM00000030126 XP_032224987.1 47.5 122
 63 1 32 152 94 215 3.80E-25 122.9 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000030127 7574 578.9 UdeM00000030127 XP_023932609.1 41.8 717
 385 14 16 707 33 742 9.60E-162 578.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000030129 29159 3488.7 UdeM00000030129 XP_034333407.1 75.3
 2258 541 11 75 2327 103 2349 0.00E+00 3488.7
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030130 6596 306.2 UdeM00000030130 XP_045187105.1 48.3 333
 160 5 11 343 5 325 5.20E-80 306.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030131 6596 620.5 UdeM00000030131 XP_045212567.1 90 329
 33 0 20 348 443 771 1.30E-174 620.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030132 6596 1197.2 UdeM00000030132 XP_045212567.1 81.5
 728 82 1 67 794 97 771 0.00E+00 1197.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030133 6596 370.9 UdeM00000030133 XP_045198089.1 39.7 774
 409 21 1 752 37 774 3.80E-99 370.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030134 6596 86.3 UdeM00000030134 XP_045196666.1 33 194
 87 6 70 248 143 308 6.10E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030135 6596 159.8 UdeM00000030135 XP_045198458.1 73.7 99
 26 0 1 99 1 99 1.80E-36 159.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030136 225164 123.6 UdeM00000030136 XP_009062162.1 63.8
 127 34 2 8 127 102 223 1.80E-25 123.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000030137 6596 1437.2 UdeM00000030137 XP_045198458.1 46.4
 2766 819 55 1 2674 128 2322 0.00E+00 1437.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030138 6596 266.5 UdeM00000030138 XP_045167863.1 61.8 199
 73 2 169 367 106 301 4.90E-68 266.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030139 6596 1279.2 UdeM00000030139 XP_045196090.1 85.3
 843 116 4 1 838 1 840 0.00E+00 1279.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030140 6579 315.1 UdeM00000030140 XP_033740054.1 41.7 446
 248 7 9 446 6 447 1.50E-82 315.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030141 6573 193.4 UdeM00000030141 XP_021377366.1 75.8 128
 27 2 1 127 1 125 1.90E-46 193.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030142 37621 113.6 UdeM00000030142 XP_014672134.1 41.6 137
 77 1 2 135 139 275 2.10E-22 113.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000030147 6579 234.2 UdeM00000030147 XP_033740844.1 49.4 344
 138 16 1 319 130 462 2.40E-58 234.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030146 6579 263.1 UdeM00000030146 XP_033740844.1 45 556
 229 22 1 507 130 657 7.40E-67 263.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030148 6596 69.3 UdeM00000030148 XP_045181585.1 35.9 92
 57 2 1 91 1 91 1.70E-08 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030149 6565 81.3 UdeM00000030149 XP_022329491.1 39.8 98
 58 1 1 97 1 98 5.80E-12 81.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030150 29159 173.3 UdeM00000030150 XP_034323800.1 23.9 750
 448 22 15 737 27 680 1.10E-39 173.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030152 6596 4008.4 UdeM00000030152 XP_045195413.1 46.9
 4656 2006 68 1 4255 1077 5665 0.00E+00 4008.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030154 6596 114.8 UdeM00000030154 XP_045198336.1 42.6 122
 69 1 5 125 579 700 8.70E-23 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030153 6596 246.9 UdeM00000030153 XP_045195418.1 32.1 455
 289 8 575 1019 736 1180 1.10E-61 246.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030155 6596 854.4 UdeM00000030155 XP_045195413.1 48.6 933
 446 10 698 1603 4740 5665 2.40E-244 854.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030155 6596 444.5 UdeM00000030155 XP_045195413.1 42.4 568
 315 6 165 724 1230 1793 5.70E-121 444.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010343 6579 250.8 UdeM00000010343 XP_033757472.1 53.6 401
 142 5 1 401 1 357 3.00E-63 250.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010345 7574 236.1 UdeM00000010345 XP_013405909.1 72.6 146
40 0 1 146 1 146 5.80E-59 236.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000010344 31138 65.9 UdeM00000010344 XP_034648626.1 30.7 114
65 3 4 103 206 319 3.80E-08 65.9 31138 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Emydidae;Trachemys;Trachemys scripta;Trachemys scripta elegans
UdeM00000010346 6596 850.5 UdeM00000010346 XP_045188151.1 49.7 845
349 13 1 773 85 925 1.70E-243 850.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010347 225164 320.5 UdeM00000010347 XP_009051864.1 36.2
464 284 7 43 499 41 499 3.90E-84 320.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
UdeM00000010348 1735272 392.1 UdeM00000010348 XP_041368965.1 46.2
487 210 10 19 497 16 458 1.10E-105 392.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000010349 6596 244.6 UdeM00000010349 XP_045189419.1 75.2 157
39 0 63 219 4 160 1.20E-61 244.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010350 6596 569.3 UdeM00000010350 XP_045189999.1 77.6 375
83 1 24 397 15 389 3.80E-159 569.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010351 6579 708.4 UdeM00000010351 XP_033756445.1 72.2 474
127 2 172 640 203 676 8.40E-201 708.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010352 6579 201.1 UdeM00000010352 XP_033756445.1 69.9 146
42 1 1 144 222 367 9.90E-49 201.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010353 6596 240.7 UdeM00000010353 XP_045189995.1 61 210
 80 2 1 209 1 209 1.60E-60 240.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000010354 6596 586.6 UdeM00000010354 XP_045189708.1 55 540
 236 4 8 547 10 542 3.20E-164 586.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000010355 6596 269.2 UdeM00000010355 XP_045189377.1 68.9 196
 49 3 1 196 1 184 4.00E-69 269.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000010356 29159 123.6 UdeM00000010356 XP_034327695.1 65.3 75
 26 0 12 86 11 85 1.20E-25 123.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010357 29159 216.1 UdeM00000010357 XP_034327699.1 52.5 221
 76 4 11 222 49 249 4.60E-53 216.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010358 6565 132.9 UdeM00000010358 XP_022344103.1 48.7 156
 68 2 1 144 117 272 3.30E-28 132.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010360 6573 564.3 UdeM00000010360 XP_021371958.1 79.2 389
 58 4 8 395 18 384 1.20E-157 564.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010359 6579 553.9 UdeM00000010359 XP_033756090.1 79.4 383
 50 5 7 388 15 369 1.60E-154 553.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010361 6596 613.6 UdeM00000010361 XP_045187267.1 51.1 569
 261 5 6 571 4 558 2.50E-172 613.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000010362 6596 505 UdeM00000010362 XP_045187267.1 50.3 481
 230 4 1 478 84 558 1.10E-139 505 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010363 6579 69.3 UdeM00000010363 XP_033752062.1 33.9 109
72 0 40 148 57 165 7.10E-09 69.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010364 6596 184.1 UdeM00000010364 XP_045176664.1 35.9 290
176 7 9 293 267 551 2.70E-43 184.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010365 6596 90.1 UdeM00000010365 XP_045177372.1 29.5 193
112 5 36 205 364 555 3.50E-15 90.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010366 6596 133.7 UdeM00000010366 XP_045176094.1 40.8 174
98 4 36 208 83 252 3.10E-28 133.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010367 6596 85.9 UdeM00000010367 XP_045177372.1 27.7 184
87 3 11 148 372 555 4.80E-14 85.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010368 6596 108.6 UdeM00000010368 XP_045176094.1 42 138
76 3 17 153 115 249 7.10E-21 108.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010370 6596 82.4 UdeM00000010370 XP_045176094.1 39.8 113
64 3 1 112 140 249 4.00E-13 82.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010369 6596 108.6 UdeM00000010369 XP_045176094.1 42 138
76 3 17 153 115 249 7.10E-21 108.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010371 6596 117.9 UdeM00000010371 XP_045176094.1 43.5 138
74 3 6 142 115 249 1.10E-23 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010373 6596 236.5 UdeM00000010373 XP_045177373.1 30.2 569
 346 21 9 561 21 554 8.30E-59 236.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010375 6596 230.7 UdeM00000010375 XP_045187272.1 52.7 205
 91 1 2 206 231 429 2.00E-57 230.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010374 6596 234.6 UdeM00000010374 XP_045187272.1 52.9 210
 93 1 3 212 226 429 1.40E-58 234.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010376 6579 213.4 UdeM00000010376 XP_033736263.1 47.6 208
 108 1 106 312 367 574 4.20E-52 213.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010377 6596 211.8 UdeM00000010377 XP_045176664.1 29 496
 325 10 23 500 35 521 2.10E-51 211.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010378 6596 127.9 UdeM00000010378 XP_045176094.1 39.2 171
 100 3 27 196 95 262 1.80E-26 127.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010379 6596 191.8 UdeM00000010379 XP_045177373.1 29.3 540
 269 23 8 455 20 538 2.00E-45 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010380 6596 471.1 UdeM00000010380 XP_045187267.1 48.2 481
 240 4 1 478 84 558 1.70E-129 471.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010382 6579 128.3 UdeM00000010382 XP_033736263.1 51.8 112
 53 1 20 130 463 574 7.40E-27 128.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010383 6596 156.4 UdeM00000010383 XP_045214418.1 36.9 236
 140 5 104 332 22 255 6.60E-35 156.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010384 225164 127.5 UdeM00000010384 XP_009046505.1 47.2
 142 47 1 1 114 241 382 1.10E-26 127.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010385 6596 177.2 UdeM00000010385 XP_045177373.1 28.2 503
 290 19 1 452 22 504 4.90E-41 177.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010386 6596 227.3 UdeM00000010386 XP_045177373.1 31 545
 323 23 1 520 22 538 4.80E-56 227.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010388 6596 102.8 UdeM00000010388 XP_045214418.1 37.7 146
 79 3 18 152 129 273 3.90E-19 102.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010389 6596 219.2 UdeM00000010389 XP_045176664.1 29.3 559
 340 15 9 540 21 551 1.40E-53 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010390 6596 191 UdeM00000010390 XP_045181277.1 36.7 283
 168 7 27 302 127 405 2.30E-45 191 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010391 6596 112.8 UdeM00000010391 XP_045187267.1 51.1 88
 43 0 44 131 359 446 3.30E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010392 225164 173.3 UdeM00000010392 XP_009058769.1 37.6
 263 139 5 144 406 531 768 6.20E-40 173.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000010393 6596 74.3 UdeM00000010393 XP_045176094.1 41.2 80
 47 0 1 80 140 219 8.70E-11 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010394 1735272 80.9 UdeM00000010394 XP_041352309.1 62.1
 58 22 0 2 59 301 358 6.20E-13 80.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010395 225164 123.2 UdeM00000010395 XP_009046505.1 53.6
 97 45 0 2 98 411 507 1.90E-25 123.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010396 7054 98.6 UdeM00000010396 XP_031337031.1 33.1 166
 64 2 1 119 302 467 5.70E-18 98.6 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000010397 202533 190.3 UdeM00000010397 XP_035231949.1 35
 331 99 4 1 217 115 443 2.70E-45 190.3 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumaticola
 UdeM00000010398 6596 177.6 UdeM00000010398 XP_045177372.1 26.5 563
 336 19 1 530 22 539 4.40E-41 177.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010399 6596 154.8 UdeM00000010399 XP_045177373.1 26.5 490
 276 15 9 420 21 504 2.60E-34 154.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010400 6596 88.6 UdeM00000010400 XP_045174482.1 24.5 323
 206 8 9 305 21 331 1.70E-14 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010401 6596 184.9 UdeM00000010401 XP_045176664.1 26.5 543
 309 14 32 496 35 565 2.50E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010402 6579 63.2 UdeM00000010402 XP_033736263.1 45.2 62
 33 1 6 66 464 525 1.60E-07 63.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010403 6596 162.2 UdeM00000010403 XP_045177373.1 26.9 506
 275 16 1 487 78 507 1.70E-36 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010404 6565 71.6 UdeM00000010404 XP_022322825.1 36.8 114
 61 3 5 107 344 457 6.80E-10 71.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010405 29159 74.3 UdeM00000010405 XP_034322772.1 54.2 59
 27 0 1 59 1 59 1.70E-10 74.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010406 6596 540.8 UdeM00000010406 XP_045188551.1 29.1 1613
 1010 51 398 1958 1947 3477 8.10E-150 540.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010407 6573 286.6 UdeM00000010407 XP_021355424.1 26 1267
 670 44 11 1060 428 1643 1.30E-73 286.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010411 29159 125.9 UdeM00000010411 XP_034329356.1 59.5 116
 46 1 276 390 117 232 1.10E-25 125.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010412 29159 156 UdeM00000010412 XP_034329176.1 32.1 315
 180 6 63 359 1217 1515 1.60E-34 156 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010413 29159 112.8 UdeM00000010413 XP_034317326.1 44.3 131
 70 2 20 148 680 809 3.70E-22 112.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010414 6596 104.4 UdeM00000010414 XP_045190830.1 28.1 306
 191 10 1 293 889 1178 3.30E-19 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010416 45264 309.3 UdeM00000010416 XP_044165143.1 66.7 210
 70 0 1 210 217 426 4.30E-81 309.3 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000010417 151771 220.3 UdeM00000010417 XP_028406951.1 27.9
 613 301 9 2 516 97 666 5.60E-54 220.3 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000010418 6579 449.5 UdeM00000010418 XP_033731448.1 27.3 1662
 772 44 9 1623 244 1515 1.80E-122 449.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010419 6579 253.1 UdeM00000010419 XP_033731448.1 25.2 1300
 715 45 9 1080 244 1514 1.60E-63 253.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010420 6596 473.4 UdeM00000010420 XP_045172093.1 32 1054
 614 24 569 1567 720 1725 1.20E-129 473.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010421 6596 198.7 UdeM00000010421 XP_045188486.1 52.4 187
 78 4 11 187 2365 2550 6.40E-48 198.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039089 6596 120.9 UdeM00000039089 XP_045162656.1 28.7 334
 201 9 8 314 402 725 2.80E-24 120.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039090 6596 98.6 UdeM00000039090 XP_045162610.1 30.5 210
 119 5 5 197 546 745 9.50E-18 98.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039091 6579 73.2 UdeM00000039091 XP_033759012.1 38.1 97
 56 2 10 106 709 801 2.40E-10 73.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039092 45264 132.9 UdeM00000039092 XP_044184031.1 47.2 142
 68 2 1 139 300 437 3.40E-28 132.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000039093 151771 325.5 UdeM00000039093 XP_028419301.1 58.2
 263 109 1 1 262 217 479 6.40E-86 325.5 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000039094 45264 138.7 UdeM00000039094 XP_044184028.1 47.6 166
 82 3 42 206 68 229 8.60E-30 138.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000039097 29159 365.9 UdeM00000039097 XP_034299474.1 43.2 461
 249 6 1 456 178 630 7.40E-98 365.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039098 6596 132.5 UdeM00000039098 XP_045163314.1 32.7 284
 179 6 30 301 4 287 9.50E-28 132.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039099 48701 74.7 UdeM00000039099 XP_014842330.1 25.5 278
 158 13 75 348 195 427 2.70E-10 74.7 48701 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Poecilia;Poecili
 a mexicana
 UdeM00000039100 6565 66.2 UdeM00000039100 XP_022316733.1 67.5 40
 13 0 1 40 188 227 1.90E-08 66.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039101 6596 74.3 UdeM00000039101 XP_045208720.1 33 185
 91 6 9 167 1115 1292 1.70E-10 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039102 6596 71.6 UdeM00000039102 XP_045192251.1 44.7 85
 46 1 61 145 337 420 9.40E-10 71.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039103 6596 303.1 UdeM00000039103 XP_045162129.1 30 826
 499 26 8 773 119 925 1.10E-78 303.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039105 6596 301.2 UdeM00000039105 XP_045162129.1 30.3 813
488 26 8 760 119 912 3.80E-78 301.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039106 114398 427.6 UdeM00000039106 XP_042903861.1 39.1
609 360 6 1 605 1 602 2.70E-116 427.6 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM00000039107 8187 73.2 UdeM00000039107 XP_018528006.1 27.3 209
109 11 133 336 1432 1602 7.90E-10 73.2 8187 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Carangaria;Carangaria incertae sedis;Centropomidae;Lates;Lates calcarifer

UdeM00000039108 7054 79.3 UdeM00000039108 XP_031350480.1 46.2 78
41 1 2 78 390 467 2.40E-12 79.3 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000039109 1234273 99 UdeM00000039109 XP_027006834.1 46
100 53 1 3 101 290 389 3.80E-18 99 1234273
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluridei;Bagridae;Tachysurus;Tachysurus fulvidraco

UdeM00000039110 6573 102.8 UdeM00000039110 XP_021347744.1 44.7 114
63 0 1 114 6 119 2.90E-19 102.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039111 6596 99 UdeM00000039111 XP_045163314.1 36.1 180
106 5 30 200 4 183 7.40E-18 99 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039112 6596 128.3 UdeM00000039112 XP_045162610.1 25.3 407
256 11 72 458 264 642 2.60E-26 128.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039113 6596 133.3 UdeM00000039113 XP_045162610.1 26.6 384
 252 11 72 430 264 642 7.50E-28 133.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039116 6596 236.9 UdeM00000039116 XP_045162129.1 29.2 705
 439 22 246 902 139 831 1.20E-58 236.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039118 29159 66.2 UdeM00000039118 XP_034310431.1 65.3 49
 16 1 24 71 74 122 1.90E-08 66.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039120 6573 181.8 UdeM00000039120 XP_021358159.1 35.3 303
 183 7 1 293 361 660 2.00E-42 181.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039121 6565 68.6 UdeM00000039121 XP_022299838.1 46.9 49
 26 0 152 200 59 107 1.10E-08 68.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039128 202533 84.7 UdeM00000039128 XP_035216523.1 32.8
 125 84 0 1 125 1 125 1.30E-13 84.7 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000039130 50429 271.2 UdeM00000039130 XP_022799197.1 29.6 597
 375 13 11 580 14 592 3.20E-69 271.2 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000039131 50429 214.9 UdeM00000039131 XP_022799197.1 29.9 418
 275 7 4 414 5 411 2.00E-52 214.9 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000039133 1529436 192.2 UdeM00000039133 XP_033123577.1 46.4
 224 113 5 1 222 339 557 7.90E-46 192.2 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000039134 6596 204.9 UdeM00000039134 XP_045177776.1 40.8 260
 150 2 11 269 695 951 2.40E-49 204.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000039135 6596 293.9 UdeM00000039135 XP_045177776.1 37.3 418
 249 6 11 425 695 1102 4.90E-76 293.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039139 7741 233 UdeM00000039139 XP_019640655.1 51.1 221
 107 1 39 258 1 221 4.20E-58 233 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000039140 7739 475.7 UdeM00000039140 XP_035696678.1 51.8 450
 176 2 2 410 423 872 5.90E-131 475.7 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000039141 6596 141 UdeM00000039141 XP_045163314.1 34.3 283
 174 6 7 277 4 286 3.50E-30 141 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039142 6596 99.4 UdeM00000039142 XP_045162663.1 33 200
 126 7 27 220 337 534 6.20E-18 99.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039143 34506 93.6 UdeM00000039143 XP_024499529.1 39.2 166
 88 9 295 457 241 396 7.40E-16 93.6 34506 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Tylenchina;Panagrolaimomorpha;S
 trongyloidoidea;Strongyloididae;Strongyloides;Strongyloides ratti
 UdeM00000039144 34506 93.6 UdeM00000039144 XP_024499529.1 39.2 166
 88 9 295 457 241 396 7.40E-16 93.6 34506 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Tylenchina;Panagrolaimomorpha;S
 trongyloidoidea;Strongyloididae;Strongyloides;Strongyloides ratti
 UdeM00000039145 6573 124 UdeM00000039145 XP_021354853.1 65.5 84
 29 0 1 84 532 615 3.20E-25 124 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039147 6596 144.1 UdeM00000039147 XP_045188256.1 39.8 259
 129 6 91 341 101 340 3.40E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039148 6596 151.8 UdeM00000039148 XP_045177915.1 61.8 110
 41 1 1 110 234 342 5.30E-34 151.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000039149 6596 275.4 UdeM00000039149 XP_045201099.1 65 200
70 0 1 200 101 300 6.00E-71 275.4 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000039150 7897 76.6 UdeM00000039150 XP_014349537.1 50.7 67
33 0 28 94 52 118 1.80E-11 76.6 7897 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Coelacanthimorpha; Coelacanthiformes; Coelacanthidae; Latimeria; Latimeria chalumnae

UdeM00000039154 6596 211.1 UdeM00000039154 XP_045209246.1 27 708
440 29 33 688 38 720 4.60E-51 211.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000039155 6573 485.3 UdeM00000039155 XP_021375728.1 49.7 531
189 9 1 461 1 523 8.40E-134 485.3 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000039156 6579 218.4 UdeM00000039156 XP_033739209.1 48.3 236
106 2 9 239 2 226 1.00E-53 218.4 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000025492 8168 89 UdeM00000025492 XP_039662215.1 31.9 160
100 4 114 270 311 464 1.20E-14 89 8168 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Eupercaria; Perciformes; Percoidi; Percidae; Percinae; Perca; Perca fluviatilis

UdeM00000025493 303518 69.7 UdeM00000025493 XP_013763448.1 30.7
150 89 3 20 159 176 320 4.20E-09 69.7 303518

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Cichlomorphae; Cichliformes; Cichlidae; African

cichlids; Pseudocrenilabrinae; Haplochromini; Pundamilia; Pundamilia nyererei

UdeM00000025494 6596 85.1 UdeM00000025494 XP_045208720.1 33.7 258
126 11 4 228 1044 1289 1.30E-13 85.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025495 158441 174.9 UdeM00000025495 XP_021944704.1 26.7
618 378 20 11 575 229 824 3.00E-40 174.9 158441
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Coll embola;Entomobryomorpha;Isotomoidea;Isotomidae;Proisotominae;Folsomia;Folsomia candida

UdeM00000025496 158441 186.8 UdeM00000025496 XP_021944704.1 27.3
619 383 20 11 585 229 824 7.80E-44 186.8 158441
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Coll embola;Entomobryomorpha;Isotomoidea;Isotomidae;Proisotominae;Folsomia;Folsomia candida

UdeM00000025497 1735272 171.4 UdeM00000025497 XP_041378242.1 43.3
224 124 3 64 286 435 656 1.70E-39 171.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025498 6573 133.7 UdeM00000025498 XP_021361564.1 33.5 272
158 6 270 535 5 259 7.30E-28 133.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025499 6596 75.5 UdeM00000025499 XP_045198179.1 27.2 202
136 3 5 201 883 1078 8.80E-11 75.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025500 10224 355.1 UdeM00000025500 XP_006820181.1 41.9 477
258 6 1 465 164 633 2.00E-94 355.1 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000025501 29159 209.1 UdeM00000025501 XP_019924327.2 24.6 708
223 9 1 408 360 1056 1.00E-50 209.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025504 29159 395.6 UdeM00000025504 XP_019926412.2 45 496
201 8 1 435 1 485 8.60E-107 395.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025508 202533 184.1 UdeM00000025508 XP_035216523.1 33.3
321 206 5 1 314 1 320 3.10E-43 184.1 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000025509 50429 266.5 UdeM00000025509 XP_022799197.1 29.6 594
 377 13 11 579 14 591 7.80E-68 266.5 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000025510 114398 84.7 UdeM00000025510 XP_042913023.1 55.4
 74 33 0 1 74 122 195 5.30E-14 84.7 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000025511 1735272 62.8 UdeM00000025511 XP_041355798.1 32.4
 105 70 1 20 124 52 155 5.00E-07 62.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000025512 1735272 96.7 UdeM00000025512 XP_041355798.1 35.4
 144 91 2 20 163 52 193 3.00E-17 96.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000025513 50429 256.1 UdeM00000025513 XP_022799197.1 29 601
 381 13 4 571 5 592 1.00E-64 256.1 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000025514 50429 253.4 UdeM00000025514 XP_022799197.1 28.7 592
 378 12 1 561 14 592 6.60E-64 253.4 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000025517 7574 161 UdeM00000025517 XP_013401097.1 48.6 185
 94 1 6 190 544 727 1.50E-36 161 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000025518 6500 59.7 UdeM00000025518 XP_035828412.1 30.4 102
 65 2 24 119 33 134 5.30E-06 59.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthynea;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000025519 6596 121.3 UdeM00000025519 XP_045180427.1 34.7 274
 146 5 1 242 1 273 1.80E-24 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025520 6596 286.2 UdeM00000025520 XP_045208720.1 33.2 584
 336 17 166 734 190 734 1.20E-73 286.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000025523 29159 485.7 UdeM00000025523 XP_034317101.1 48.8 494
 227 8 30 515 116 591 7.20E-134 485.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025524 37621 96.7 UdeM00000025524 XP_014672570.1 58 81
 34 0 11 91 40 120 2.00E-17 96.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;
 Priapulus;Priapulus caudatus
 UdeM00000025525 37621 104.4 UdeM00000025525 XP_014673981.1 59.1 88
 36 0 1 88 76 163 1.10E-19 104.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;
 Priapulus;Priapulus caudatus
 UdeM00000025526 37621 128.6 UdeM00000025526 XP_014672567.1 52.3 111
 48 2 5 114 370 476 5.30E-27 128.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;
 Priapulus;Priapulus caudatus
 UdeM00000025528 6596 144.8 UdeM00000025528 XP_045157297.1 53.3 122
 54 2 47 168 907 1025 3.00E-31 144.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000025530 7913 181 UdeM00000025530 XP_041082893.1 64.4 135
 48 0 20 154 33 167 1.10E-42 181 7913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Chondrostei;Acipenseriformes;Acipenseridae;Polyodontidae;Polyodontinae;
 Polyodontini;Polyodon;Polyodon spathula
 UdeM00000025534 29159 117.9 UdeM00000025534 XP_011451530.1 43 135
 70 2 70 203 78 206 1.60E-23 117.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025535 29159 128.6 UdeM00000025535 XP_034316164.1 56.6 99
 38 2 1 97 1 96 4.70E-27 128.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025536 6565 112.1 UdeM00000025536 XP_022312527.1 47 115
 60 1 69 182 70 184 7.70E-22 112.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025537 10224 63.5 UdeM00000025537 XP_006819348.1 40.5 74
 44 0 93 166 369 442 2.80E-07 63.5 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000025538 10224 63.2 UdeM00000025538 XP_006819348.1 40.5 74
 44 0 55 128 369 442 2.90E-07 63.2 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000025539 6565 90.1 UdeM00000025539 XP_022290516.1 50.5 103
 37 2 3 91 254 356 1.60E-15 90.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025540 6573 182.6 UdeM00000025540 XP_021356047.1 52.4 164
 77 1 47 209 148 311 5.40E-43 182.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025541 1735272 84.7 UdeM00000025541 XP_041349488.1 47.3
 112 46 4 1 111 1 100 9.10E-14 84.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025542 6573 102.8 UdeM00000025542 XP_021351151.1 59.5 74
 28 1 21 92 975 1048 6.00E-19 102.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025543 6596 82.8 UdeM00000025543 XP_045208696.1 25.3 356
 199 10 2 306 51 390 8.30E-13 82.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025544 6573 263.5 UdeM00000025544 XP_021352851.1 31.1 707
 417 28 92 763 132 803 8.90E-67 263.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025545 29159 211.8 UdeM00000025545 XP_034313077.1 64.4 160
 57 0 2 161 107 266 6.40E-52 211.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025547 6565 132.9 UdeM00000025547 XP_022295065.1 55 109
 49 0 1 109 187 295 2.50E-28 132.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025549 6565 252.7 UdeM00000025549 XP_022297447.1 51.2 248
 105 2 1 232 117 364 4.70E-64 252.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025550 70779 120.6 UdeM00000025550 XP_015764363.1 31.4 229
 137 4 1 210 21 248 2.50E-24 120.6 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera

UdeM00000025554 202533 184.9 UdeM00000025554 XP_035216523.1 33.3
321 206 5 1 314 1 320 1.80E-43 184.9 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000025555 50429 266.2 UdeM00000025555 XP_022799197.1 29.6 594
377 13 11 579 14 591 1.00E-67 266.2 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000025556 1735272 62.8 UdeM00000025556 XP_041355798.1 32.4
105 70 1 20 124 52 155 5.00E-07 62.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025557 1735272 96.7 UdeM00000025557 XP_041355798.1 35.4
144 91 2 20 163 52 193 3.00E-17 96.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025558 50429 256.5 UdeM00000025558 XP_022799197.1 28.8 601
382 13 4 571 5 592 8.00E-65 256.5 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000025559 50429 253.4 UdeM00000025559 XP_022799197.1 28.5 592
379 12 1 561 14 592 6.60E-64 253.4 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000025562 6565 126.7 UdeM00000025562 XP_022335449.1 72.5 80
22 0 189 268 7 86 1.00E-25 126.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025563 6500 59.7 UdeM00000025563 XP_035828412.1 30.4 102
65 2 24 119 33 134 3.90E-06 59.7 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000025564 6596 198 UdeM00000025564 XP_045181571.1 28.9 551
347 16 61 576 342 882 3.40E-47 198 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000025565 37293 202.2 UdeM00000025565 XP_021527228.1 69.3 150
19 1 13 135 11 160 4.20E-49 202.2 37293 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Platyrrh
ini;Aotidae;Aotus;Aotus nancymaae

UdeM00000025566 1735272 115.2 UdeM00000025566 XP_041379632.1 33.2
262 161 6 59 317 243 493 1.70E-22 115.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030591 6596 228 UdeM00000030591 XP_045194118.1 39 372
202 10 41 399 1544 1903 2.10E-56 228 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030592 176946 66.2 UdeM00000030592 XP_015745591.2 41.2
85 43 2 1 78 2514 2598 2.90E-08 66.2 176946
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Serpentes;Hen
ophidia;Pythonidae;Python;Python bivittatus

UdeM00000039606 6596 191.8 UdeM00000039606 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039607 6596 169.5 UdeM00000039607 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039608 6596 191.8 UdeM00000039608 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039609 6596 169.5 UdeM00000039609 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039610 6596 191.8 UdeM00000039610 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039611 6596 169.5 UdeM00000039611 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039612 6596 191.8 UdeM00000039612 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039613 6596 169.5 UdeM00000039613 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039614 6596 191.8 UdeM00000039614 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039615 6596 169.5 UdeM00000039615 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039616 6596 191.8 UdeM00000039616 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039617 6596 169.5 UdeM00000039617 XP_045162518.1 67.4 135
 33 1 25 148 199 333 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039618 6596 191.8 UdeM00000039618 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039619 6596 169.5 UdeM00000039619 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039620 6596 191.8 UdeM00000039620 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039621 6596 169.5 UdeM00000039621 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039622 6596 191.8 UdeM00000039622 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039623 6596 169.5 UdeM00000039623 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039624 6596 191.4 UdeM00000039624 XP_045161175.1 66.2 133
 44 1 62 193 12 144 1.10E-45 191.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039625 6596 169.5 UdeM00000039625 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039626 6596 191.8 UdeM00000039626 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039627 6596 169.5 UdeM00000039627 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039628 6596 191.8 UdeM00000039628 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039629 6596 169.5 UdeM00000039629 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039630 6596 191.8 UdeM00000039630 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039631 6596 169.1 UdeM00000039631 XP_045162518.1 71.8 124
 34 1 386 509 199 321 1.50E-38 169.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039632 6596 191.8 UdeM00000039632 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039633 6596 169.5 UdeM00000039633 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039634 6596 191.8 UdeM00000039634 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039635 6596 169.5 UdeM00000039635 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019967 6596 127.5 UdeM00000019967 XP_045161434.1 50.8 130
 64 0 64 193 98 227 2.00E-26 127.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019968 6596 649.8 UdeM00000019968 XP_045160149.1 31.8 1588
 644 29 6 1197 3 1547 6.80E-183 649.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000019969 29159 310.5 UdeM00000019969 XP_034332465.1 47.1 363
 180 5 24 375 204 565 3.90E-81 310.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019970 29159 131 UdeM00000019970 XP_034332465.1 45.1 144
 73 2 77 219 74 212 1.90E-27 131 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019971 29159 444.5 UdeM00000019971 XP_034332465.1 49.3 475
 226 6 5 470 74 542 2.00E-121 444.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019973 29159 442.6 UdeM00000019973 XP_034332465.1 48 498
 241 7 77 562 74 565 8.80E-121 442.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019975 29159 424.9 UdeM00000019975 XP_034332465.1 48.8 475
 228 7 77 542 74 542 2.00E-115 424.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019976 29159 437.6 UdeM00000019976 XP_034332465.1 48.1 493
 237 7 77 560 74 556 3.10E-119 437.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019977 6596 164.1 UdeM00000019977 XP_045160157.1 38.2 267
 137 5 6 249 3 264 2.40E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019980 29159 352.1 UdeM00000019980 XP_034332465.1 51.7 362
 166 5 14 367 182 542 1.10E-93 352.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019981 37621 497.7 UdeM00000019981 XP_014678940.1 43.5 591
 312 8 93 663 367 955 2.40E-137 497.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000019983 37621 500.4 UdeM00000019983 XP_014678940.1 43.7 591
 311 8 93 663 367 955 3.70E-138 500.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus

UdeM00000019984 29159 109.8 UdeM00000019984 XP_011440881.2 43.2 148
 80 1 27 170 8 155 3.80E-21 109.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019985 29159 99 UdeM00000019985 XP_011440881.2 48 123
 63 1 48 169 33 155 7.20E-18 99 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019986 6596 79.7 UdeM00000019986 XP_045161434.1 36 125
 80 0 46 170 100 224 4.10E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019987 6596 98.6 UdeM00000019987 XP_045161434.1 42.5 146
 80 2 38 181 94 237 8.80E-18 98.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019988 150288 166 UdeM00000019988 XP_020788097.1 66
 106 36 0 2 107 383 488 2.60E-38 166 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000019989 50390 319.7 UdeM00000019989 XP_028142380.1 57.3 234
 99 1 2 235 170 402 3.10E-84 319.7 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000019990 29159 72 UdeM00000019990 XP_011440881.2 37.2 129
 80 1 43 171 28 155 1.00E-09 72 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019992 29159 79.7 UdeM00000019992 XP_011440881.2 35.1 134
 87 0 41 174 26 159 4.20E-12 79.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019993 29159 72.8 UdeM00000019993 XP_011440881.2 33.6 134
 89 0 41 174 26 159 5.20E-10 72.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019994 29159 105.9 UdeM00000019994 XP_011440881.2 54.9 113
 51 0 61 173 46 158 5.50E-20 105.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019995 6573 476.9 UdeM00000019995 XP_021368737.1 59.7 1346
 445 27 90 1377 1 1307 8.90E-131 476.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019996 6596 481.5 UdeM00000019996 XP_045162753.1 57.3 405
 162 4 40 443 34 428 1.20E-132 481.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019997 29159 128.6 UdeM00000019997 XP_034307878.1 32.6 178
 120 0 70 247 6 183 1.20E-26 128.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020000 6596 106.7 UdeM00000020000 XP_045161226.1 38.5 143
 72 5 7 143 86 218 3.20E-20 106.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020001 6579 275.4 UdeM00000020001 XP_033732603.1 50.5 279
 137 1 9 287 8 285 8.90E-71 275.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020002 6596 341.3 UdeM00000020002 XP_045163591.1 63.7 256
 91 2 1 255 10 264 1.10E-90 341.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020003 6596 303.9 UdeM00000020003 XP_045163591.1 67.9 212
 67 1 2 213 54 264 1.60E-79 303.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020004 6565 209.9 UdeM00000020004 XP_022317300.1 33.6 387
 247 4 17 393 25 411 5.80E-51 209.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020005 6573 209.5 UdeM00000020005 XP_021363743.1 34.4 299
 192 2 2 297 16 313 7.30E-51 209.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020006 6596 136.7 UdeM00000020006 XP_045208720.1 30.9 307
 194 7 106 401 432 731 8.90E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020007 6596 212.2 UdeM00000020007 XP_045159519.1 31 394
 261 5 4 389 16 406 1.20E-51 212.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020008 6596 637.1 UdeM00000020008 XP_045161661.1 75.4 394
 96 1 1 394 1 393 1.50E-179 637.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020009 6573 332.8 UdeM00000020009 XP_021374258.1 46.6 393
 195 4 30 421 12 390 6.30E-88 332.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020010 6596 97.8 UdeM00000020010 XP_045163443.1 46.7 210
 90 6 122 326 2562 2754 2.70E-17 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020011 6596 89.4 UdeM00000020011 XP_045163443.1 25.3 451
 276 8 1425 1826 1904 2342 5.50E-14 89.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020012 6579 742.7 UdeM00000020012 XP_033763361.1 47.3 1132
 405 18 19 1133 12 968 7.10E-211 742.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020013 13397 472.2 UdeM00000020013 XP_041068243.1 58.6 367
 150 1 2 366 222 588 5.90E-130 472.2 13397 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
 don;Carcharodon carcharias
 UdeM00000020015 13397 583.6 UdeM00000020015 XP_041068243.1 59.4 429
 174 0 2 430 166 594 2.10E-163 583.6 13397 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
 don;Carcharodon carcharias
 UdeM00000020016 7830 596.3 UdeM00000020016 XP_038673199.1 59.6 450
 180 1 1 448 186 635 3.30E-167 596.3 7830 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Carcharhiniformes;Scyliorhinidae;Scylio
rhinus;Scyliorhinus canicula

UdeM00000020017 259920 278.1 UdeM00000020017 XP_020376696.1 61.4
207 76 2 2 208 185 387 9.30E-72 278.1 259920
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Rhincodontidae;Rhincod
on;Rhincodon typus

UdeM00000020018 6565 305.8 UdeM00000020018 XP_022297447.1 53.2 284
117 2 8 275 81 364 5.50E-80 305.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020019 6565 253.8 UdeM00000020019 XP_022297447.1 51.2 248
105 2 1 232 117 364 2.10E-64 253.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020020 13397 366.3 UdeM00000020020 XP_041068243.1 61.9 260
99 0 1 260 111 370 3.20E-98 366.3 13397 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
don;Carcharodon carcharias

UdeM00000020021 105023 335.5 UdeM00000020021 XP_015796544.1 59.1
235 96 0 1 235 254 488 5.80E-89 335.5 105023
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc
hius furzeri

UdeM00000020022 7830 798.5 UdeM00000020022 XP_038673199.1 57.8 618
253 1 1 610 130 747 5.90E-228 798.5 7830 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Carcharhiniformes;Scyliorhinidae;Scylio
rhinus;Scyliorhinus canicula

UdeM00000020023 13397 202.2 UdeM00000020023 XP_041068243.1 59.4 155
55 1 2 148 238 392 4.60E-49 202.2 13397 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
don;Carcharodon carcharias

UdeM00000020024 37621 142.9 UdeM00000020024 XP_014679100.1 37.9 232
130 8 768 994 78 300 2.20E-30 142.9 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapulus;Priapulus caudatus

UdeM00000020025 50390 385.2 UdeM00000020025 XP_028142380.1 57 263
 113 0 3 265 30 292 6.80E-104 385.2 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000020026 50390 236.5 UdeM00000020026 XP_028154228.1 55.2 174
 76 1 1 174 126 297 2.80E-59 236.5 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000020027 50390 232.3 UdeM00000020027 XP_028154228.1 55.2 174
 76 1 1 174 126 297 5.30E-58 232.3 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000020028 51655 116.3 UdeM00000020028 XP_037966588.1 56.5 92
 40 0 1 92 673 764 2.10E-23 116.3 51655 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Yponomeutoidea;Plutellid
 ae;Plutella;Plutella xylostella

UdeM00000020029 6596 1008.4 UdeM00000020029 XP_045161992.1 44.7
 1187 605 21 125 1291 56 1211 8.00E-291 1008.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020030 6596 988 UdeM00000020030 XP_045161992.1 43.9 1185
 591 19 125 1264 56 1211 1.10E-284 988 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020031 6596 1027.7 UdeM00000020031 XP_045161992.1 44.9
 1208 590 21 29 1189 33 1211 1.20E-296 1027.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020032 6565 129.8 UdeM00000020032 XP_022321863.1 33.2 217
 135 5 180 389 324 537 7.60E-27 129.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000020033 6596 1046.6 UdeM00000020033 XP_045161992.1 45.9
1216 597 20 27 1216 31 1211 2.50E-302 1046.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020034 6596 910.2 UdeM00000020034 XP_045161992.1 42.1 1230
574 26 27 1167 31 1211 2.70E-261 910.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020035 6596 933.3 UdeM00000020035 XP_045161992.1 42.8 1232
590 27 27 1194 31 1211 3.00E-268 933.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020036 6596 1047.3 UdeM00000020036 XP_045161992.1 45.9
1219 592 22 27 1216 31 1211 1.50E-302 1047.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020037 6573 107.5 UdeM00000020037 XP_021365372.1 39 141
78 3 84 219 19 156 2.30E-20 107.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020038 6596 1037.3 UdeM00000020038 XP_045158027.1 38
1655 900 38 83 1666 184 1783 2.10E-299 1037.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020039 6565 354.4 UdeM00000020039 XP_022344976.1 57.1 336
134 4 22 350 23 355 2.00E-94 354.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000020040 6596 145.6 UdeM00000020040 XP_045204064.1 50.4 139
69 0 25 163 26 164 5.70E-32 145.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020041 6596 586.3 UdeM00000020041 XP_045204064.1 61.8 566
195 3 25 570 26 590 5.50E-164 586.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020042 6596 98.2 UdeM00000020042 XP_045160441.1 30.8 182
123 2 11 192 7 185 1.20E-17 98.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020043 6596 341.3 UdeM00000020043 XP_045160441.1 28.5 861
555 24 32 855 192 1028 3.70E-90 341.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020044 6596 354 UdeM00000020044 XP_045160441.1 26.7 1054
676 28 11 999 7 1028 6.40E-94 354 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020045 6596 444.9 UdeM00000020045 XP_045173249.1 34.1 787
450 15 24 753 32 806 2.00E-121 444.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020046 6596 451.1 UdeM00000020046 XP_045173249.1 34.3 788
448 16 13 743 32 806 2.80E-123 451.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020048 6596 202.2 UdeM00000020048 XP_045173249.1 31.2 385
202 7 653 977 16 397 3.00E-48 202.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020047 6596 202.2 UdeM00000020047 XP_045173249.1 31.2 385
202 7 651 975 16 397 3.00E-48 202.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020049 6596 436 UdeM00000020049 XP_045173249.1 33.2 788
456 14 23 753 32 806 9.50E-119 436 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020050 6596 217.6 UdeM00000020050 XP_045173249.1 32.7 388
218 8 624 973 16 398 6.90E-53 217.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020051 6596 633.3 UdeM00000020051 XP_045162684.1 69.6 437
126 2 8 438 32 467 2.50E-178 633.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020052 6579 689.1 UdeM00000020052 XP_033764361.1 75.7 445
108 0 1 445 1 445 3.70E-195 689.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020054 6596 568.5 UdeM00000020054 XP_045163865.1 66.8 458
131 6 1 439 1 456 7.20E-159 568.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020055 6596 347.1 UdeM00000020055 XP_045161198.1 45.7 431
203 7 1 404 1 427 3.10E-92 347.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020056 6596 370.2 UdeM00000020056 XP_045161198.1 45.6 432
220 7 1 422 1 427 3.60E-99 370.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020057 6573 260.4 UdeM00000020057 XP_021366537.1 33.6 645
364 22 13 625 12 624 6.00E-66 260.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020058 8175 126.7 UdeM00000020058 XP_030274546.1 26.7 442
267 11 589 990 27 451 1.60E-25 126.7 8175 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Eupercaria;Spariformes;Sparidae;Sparus;Sparus aurata

UdeM00000020059 6596 700.7 UdeM00000020059 XP_045157300.1 36.1 1001
606 15 2 989 317 1296 2.70E-198 700.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020061 6596 172.9 UdeM00000020061 XP_045157647.1 28.2 308
206 4 462 761 2210 2510 1.50E-39 172.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020060 6596 172.9 UdeM00000020060 XP_045157647.1 28.2 308
206 4 624 923 2210 2510 1.80E-39 172.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020064 1203425 94.7 UdeM00000020064 XP_034551711.1 29.6
318 179 10 577 863 139 442 6.00E-16 94.7 1203425
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae;Notolabrus;Notolabrus celidotus

UdeM00000020065 6596 478 UdeM00000020065 XP_045157300.1 33.5 777
466 7 2 734 317 1086 2.50E-131 478 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020066 6596 199.1 UdeM00000020066 XP_045157647.1 23.7 751
460 30 149 863 1837 2510 2.30E-47 199.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020067 215358 86.3 UdeM00000020067 XP_027138606.1 33.3
174 56 1 1 114 596 769 2.90E-14 86.3 215358
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000020070 6596 146.4 UdeM00000020070 XP_045162258.1 37.4 206
101 2 5 182 13 218 3.90E-32 146.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020072 37621 191.8 UdeM00000020072 XP_014678940.1 65.4 133
45 1 1 132 510 642 5.60E-46 191.8 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000020073 29159 84.3 UdeM00000020073 XP_034339168.1 71.2 59
17 0 1 59 879 937 6.50E-14 84.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000020074 29159 104.8 UdeM00000020074 XP_034338151.1 69.8 63
19 0 1 63 285 347 5.60E-20 104.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000020075 45351 81.6 UdeM00000020075 XP_032227196.1 35.1 151
90 5 2 146 10 158 1.50E-12 81.6 45351 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Actiniaria; Edwardsiidae; Nematostella; Nematostella vectensis
UdeM00000020076 50429 75.9 UdeM00000020076 XP_022804128.1 30 223
140 8 4 222 12 222 8.60E-11 75.9 50429 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Scleractinia; Astrocoeniina; Pocilloporidae; Stylophora; Stylophora
pistillata
UdeM00000020077 6573 719.2 UdeM00000020077 XP_021376771.1 26.5 1590
1084 12 201 1740 58 1612 1.30E-203 719.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000020078 6565 169.1 UdeM00000020078 XP_022339292.1 36.9 279
94 5 27 227 982 1256 1.00E-38 169.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000020080 6596 342.4 UdeM00000020080 XP_045162770.1 86.6 179
24 0 1 179 34 212 3.40E-91 342.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000020082 29159 113.2 UdeM00000020082 XP_019922882.2 36.3 182
103 2 154 335 240 408 6.30E-22 113.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000020084 29159 67.4 UdeM00000020084 XP_034307878.1 28.2 131
92 2 1 131 92 220 2.10E-08 67.4 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000020085 29159 132.5 UdeM00000020085 XP_034312908.1 30.5 338
179 15 9 328 6 305 1.10E-27 132.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000020086 29159 102.4 UdeM00000020086 XP_034312908.1 38.1 155
91 3 1 153 472 623 5.20E-19 102.4 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000020087 6573 188.3 UdeM00000020087 XP_021366593.1 40.6 286
140 5 1 260 174 455 1.20E-44 188.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020088 6596 197.2 UdeM00000020088 XP_045162038.1 52.9 204
95 1 1 203 144 347 2.10E-47 197.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020089 6596 377.1 UdeM00000020089 XP_045162794.1 41.8 534
246 13 4 497 2 510 3.90E-101 377.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020090 6573 727.6 UdeM00000020090 XP_021372834.1 44.6 984
454 23 21 960 6 942 2.00E-206 727.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020091 1415580 143.3 UdeM00000020091 XP_030075314.1 43
214 99 4 1 206 427 625 3.50E-31 143.3 1415580
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor
UdeM00000020092 7757 282.7 UdeM00000020092 XP_032835197.1 77 183
42 0 2 184 149 331 3.40E-73 282.7 7757 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus
UdeM00000020093 7757 125.2 UdeM00000020093 XP_032835197.1 86.4 66
9 0 1 66 52 117 3.20E-26 125.2 7757 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus
UdeM00000020095 6579 1099.3 UdeM00000020095 XP_033739131.1 54.8
971 402 6 1 942 408 1370 0.00E+00 1099.3 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020098 6565 532.3 UdeM00000020098 XP_022341603.1 72.7 377
89 9 9 376 92 463 4.90E-148 532.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000020100 37653 299.7 UdeM00000020100 XP_014769083.1 45.4 403
203 4 486 878 1 396 1.20E-77 299.7 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000020099 37653 299.7 UdeM00000020099 XP_014769083.1 45.4 403
 203 4 497 889 1 396 1.30E-77 299.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000020101 29159 245.7 UdeM00000020101 XP_011446387.1 61.9 226
 63 3 1 226 250 452 5.50E-62 245.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020102 6596 258.8 UdeM00000020102 XP_045163405.1 56.5 253
 95 4 1 247 1 244 7.10E-66 258.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020103 6596 266.2 UdeM00000020103 XP_045161589.1 53.1 254
 107 5 774 1017 26 277 1.80E-67 266.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020104 6596 306.6 UdeM00000020104 XP_045162842.1 80.7 181
 35 0 44 224 44 224 2.60E-80 306.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020105 6596 242.3 UdeM00000020105 XP_045162021.1 67.6 176
 57 0 1 176 1 176 5.20E-61 242.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020106 6596 1137.5 UdeM00000020106 XP_045162021.1 68.6
 814 248 3 2 815 186 991 0.00E+00 1137.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020107 45264 429.5 UdeM00000020107 XP_044165535.1 49.8 402
 198 1 1 398 136 537 5.40E-117 429.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000020108 6573 415.6 UdeM00000020108 XP_021361079.1 70.4 270
 80 0 4 273 6 275 4.80E-113 415.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020109 6500 912.9 UdeM00000020109 XP_035829419.1 63.1 773
 259 8 1 770 1 750 2.70E-262 912.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000020110 6500 1129 UdeM00000020110 XP_035829419.1 65.2 891
284 8 1 888 1 868 0.00E+00 1129 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000020111 400727 198 UdeM00000020111 XP_025083756.1 73.5
132 35 0 1 132 1 132 7.90E-48 198 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000020112 6565 105.5 UdeM00000020112 XP_022297447.1 53.6 97
43 2 1 96 150 245 3.80E-20 105.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000020113 400727 1527.3 UdeM00000020113 XP_025082598.1
84.1 863 135 1 1 861 1 863 0.00E+00 1527.3
400727 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000020114 6579 483.4 UdeM00000020114 XP_033731191.1 51.4 457
174 2 1 409 2 458 2.80E-133 483.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020115 6579 86.3 UdeM00000020115 XP_033735423.1 33 109
67 2 6 109 18 125 2.80E-14 86.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020116 6596 238.4 UdeM00000020116 XP_045161545.1 56.7 201
87 0 3 203 20 220 7.90E-60 238.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042427 6596 97.1 UdeM00000042427 XP_045206069.1 23.6 501
281 16 426 914 236 646 1.30E-16 97.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042428 6565 119 UdeM00000042428 XP_022324765.1 26.7 329
213 8 227 540 936 1251 1.90E-23 119 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042429 6565 119 UdeM00000042429 XP_022324765.1 26.7 329
213 8 192 505 936 1251 1.80E-23 119 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042431 6596 240 UdeM00000042431 XP_045206207.1 58.1 198
76 1 185 375 5 202 5.10E-60 240 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042432 6596 631.3 UdeM00000042432 XP_045204309.1 52.8 627
272 11 7 623 275 887 1.30E-177 631.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042433 6565 146 UdeM00000042433 XP_022326041.1 30.4 345
173 9 129 473 94 371 1.30E-31 146 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042435 10224 134 UdeM00000042435 XP_006813844.1 51.7 116
56 0 44 159 247 362 1.70E-28 134 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000042436 400727 168.3 UdeM00000042436 XP_025108466.1 41.2
250 135 3 2 251 305 542 1.30E-38 168.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000042437 29159 136.3 UdeM00000042437 XP_034300836.1 29.6 362
209 10 28 375 458 787 7.80E-29 136.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042438 29159 62 UdeM00000042438 XP_034311339.1 27 159
105 5 25 173 179 336 2.10E-06 62 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042439 6596 130.2 UdeM00000042439 XP_045206721.1 33.8 263
144 10 124 372 31 277 7.40E-27 130.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042440 6596 77.4 UdeM00000042440 XP_045206721.1 34 147
81 5 1 137 584 724 4.50E-11 77.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042441 225164 95.9 UdeM00000042441 XP_009051404.1 34.8
198 107 8 1 182 47 238 7.10E-17 95.9 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000042442 6596 143.7 UdeM00000042442 XP_045206721.1 22.2 747
435 22 128 759 54 769 1.10E-30 143.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042444 1606681 70.5 UdeM00000042444 XP_043100876.1 34.7
144 76 7 18 148 162 300 3.40E-09 70.5 1606681
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
idei;Cyprinidae;Smiliogastrinae;Puntigrus;Puntigrus tetrazona
UdeM00000042448 6596 181.8 UdeM00000042448 XP_045182760.1 39 267
159 3 1 265 375 639 4.10E-42 181.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042449 6596 96.3 UdeM00000042449 XP_045209795.1 36.3 179
109 3 56 230 1071 1248 8.80E-17 96.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042450 6565 577.8 UdeM00000042450 XP_022315266.1 47.8 642
307 11 140 763 508 1139 2.10E-161 577.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042451 37621 104 UdeM00000042451 XP_014675741.1 50.5 103
49 2 5 106 39 140 1.20E-19 104 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000042452 6565 239.6 UdeM00000042452 XP_022295544.1 43.3 314
125 6 55 323 53 358 5.70E-60 239.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042453 6596 801.2 UdeM00000042453 XP_045204149.1 75.1 555
135 3 124 676 105 658 1.00E-228 801.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042454 6573 219.9 UdeM00000042454 XP_021339071.1 53.7 203
87 2 48 248 39 236 3.50E-54 219.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042455 6596 371.7 UdeM00000042455 XP_045204146.1 81 221
42 0 1 221 1 221 6.50E-100 371.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042456 29159 285.4 UdeM00000042456 XP_034302273.1 76.2 185
43 1 1 184 1 185 5.10E-74 285.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042457 6573 265.4 UdeM00000042457 XP_021341452.1 61 218
84 1 6 222 13 230 6.60E-68 265.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042458 6596 625.5 UdeM00000042458 XP_045192044.1 47.9 658
327 7 108 752 108 762 9.20E-176 625.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042459 6596 443 UdeM00000042459 XP_045205754.1 36.9 907
474 22 1155 2054 1792 2607 2.10E-120 443 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042460 6500 254.2 UdeM00000042460 XP_005095954.2 71 169
46 1 1 166 1 169 1.10E-64 254.2 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000042461 6596 1138.3 UdeM00000042461 XP_045205756.1 60.8
954 353 11 4 945 52 996 0.00E+00 1138.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042462 6596 915.6 UdeM00000042462 XP_045205756.1 58.8 786
304 10 4 777 52 829 4.30E-263 915.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042463 386614 110.2 UdeM00000042463 XP_032889954.1 29
272 156 8 7 272 6 246 6.40E-21 110.2 386614
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata

UdeM00000042464 386614 109 UdeM00000042464 XP_032889954.1 29
 276 156 10 7 277 6 246 1.40E-20 109 386614
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
 UdeM00000042465 32507 67.4 UdeM00000042465 XP_006809938.1 32.1 112
 69 1 59 170 51 155 2.00E-08 67.4 32507 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African
 cichlids;Pseudocrenilabrinae;Lamprologini;Neolamprologus;Neolamprologus
 brichardi
 UdeM00000042466 6596 128.3 UdeM00000042466 XP_045186727.1 40.6 175
 95 2 176 349 396 562 2.10E-26 128.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042467 386614 97.1 UdeM00000042467 XP_032889954.1 34.9
 169 91 5 27 192 94 246 4.20E-17 97.1 386614
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
 UdeM00000042469 29159 226.5 UdeM00000042469 XP_034334367.1 46.5 254
 130 4 6 253 126 379 4.10E-56 226.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042470 386614 72 UdeM00000042470 XP_032889954.1 32.1
 140 84 5 68 206 58 187 1.00E-09 72 386614
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
 UdeM00000042471 386614 115.9 UdeM00000042471 XP_032889954.1 29.6
 270 156 10 4 267 6 247 1.20E-22 115.9 386614
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
 UdeM00000042473 32507 89.4 UdeM00000042473 XP_006809938.1 34.8 164
 92 5 64 225 55 205 8.90E-15 89.4 32507 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African

cichlids;Pseudocrenilabrinae;Lamprologini;Neolamprologus;Neolamprologus
brichardi

UdeM00000015884 6573 3919 UdeM00000015884 XP_021353290.1 39.1 5383
3029 77 1 5252 2963 8229 0.00E+00 3919 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015885 6573 3892.4 UdeM00000015885 XP_021353290.1 39
5382 3005 77 1 5219 2963 8229 0.00E+00 3892.4 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015886 6596 1173.3 UdeM00000015886 XP_045156859.1 31.5
2117 1351 39 26 2109 4307 6356 0.00E+00 1173.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015887 6596 214.9 UdeM00000015887 XP_045171866.1 25.6 793
557 13 9 795 14 779 3.70E-52 214.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015888 6565 2603.9 UdeM00000015888 XP_022341753.1 35.7
4161 2417 88 1 3997 362 4428 0.00E+00 2603.9 6565
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015889 6565 2548.5 UdeM00000015889 XP_022341753.1 35.4
4161 2412 88 1 3981 362 4428 0.00E+00 2548.5 6565
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015890 6573 353.2 UdeM00000015890 XP_021353372.1 52.2 347
157 6 11 356 13 351 3.90E-94 353.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015891 6596 257.3 UdeM00000015891 XP_045189535.1 40.9 386
209 5 11 378 19 403 3.10E-65 257.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015892 6596 715.7 UdeM00000015892 XP_045163192.1 58.5 588
229 6 1 584 1 577 6.90E-203 715.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015893 6596 740.3 UdeM00000015893 XP_045163959.1 71.8 493
 138 1 49 540 58 550 1.70E-210 740.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015894 6596 699.1 UdeM00000015894 XP_045163959.1 68.7 486
 151 1 56 540 65 550 4.30E-198 699.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015895 6596 547.4 UdeM00000015895 XP_045163959.1 67.3 392
 127 1 1 391 159 550 1.50E-152 547.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015896 6596 447.2 UdeM00000015896 XP_045198610.1 46.7 533
 223 12 1 514 2278 2768 2.80E-122 447.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015897 6596 1512.3 UdeM00000015897 XP_045198610.1 44.8
 1901 899 34 7 1823 445 2278 0.00E+00 1512.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015898 6579 699.9 UdeM00000015898 XP_033763693.1 51.9 775
 314 23 1 733 138 895 3.80E-198 699.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015899 6579 479.9 UdeM00000015899 XP_033763693.1 46.6 648
 312 16 66 685 253 894 6.10E-132 479.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015900 6238 78.2 UdeM00000015900 XP_002634025.1 23.8 235
 140 7 33 233 27 256 2.90E-11 78.2 6238 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Rhabditina;Rhabditomorpha;Rhabd
 itoidea;Rhabditidae;Peloderinae;Caenorhabditis;Caenorhabditis briggsae
 UdeM00000015901 6579 415.2 UdeM00000015901 XP_033763967.1 66.6 323
 99 4 1 317 1 320 9.10E-113 415.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015902 6573 776.5 UdeM00000015902 XP_021364536.1 82.8 436
 75 0 1 436 1 436 2.00E-221 776.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015903 6573 369.4 UdeM00000015903 XP_021372507.1 60.7 285
 111 1 7 290 6 290 4.20E-99 369.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015904 6596 189.1 UdeM00000015904 XP_045161175.1 65.4 133
 45 1 62 193 12 144 5.30E-45 189.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015905 6596 157.9 UdeM00000015905 XP_045162518.1 71.6 116
 32 1 1 116 207 321 7.80E-36 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015906 6596 191.8 UdeM00000015906 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015907 6596 169.5 UdeM00000015907 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015908 6596 191.8 UdeM00000015908 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015909 6596 169.5 UdeM00000015909 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015910 6596 191.8 UdeM00000015910 XP_045161174.1 61.1 149
 54 2 46 193 39 184 8.20E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015911 6596 169.5 UdeM00000015911 XP_045162518.1 71.8 124
 34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015912 6596 191.8 UdeM00000015912 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015913 6596 169.5 UdeM00000015913 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015914 6596 191.8 UdeM00000015914 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015915 6596 169.5 UdeM00000015915 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015916 6596 191.8 UdeM00000015916 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015917 6596 169.5 UdeM00000015917 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015918 6596 191.8 UdeM00000015918 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015919 6596 169.5 UdeM00000015919 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015920 6596 191.8 UdeM00000015920 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015921 6596 169.5 UdeM00000015921 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015922 6596 191.8 UdeM00000015922 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015923 6596 169.5 UdeM00000015923 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015924 6596 191.8 UdeM00000015924 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015925 6596 169.5 UdeM00000015925 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015926 6596 191.8 UdeM00000015926 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015927 6596 169.5 UdeM00000015927 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015928 6596 191.8 UdeM00000015928 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015929 6596 169.5 UdeM00000015929 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015930 6596 191.8 UdeM00000015930 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015931 6596 169.5 UdeM00000015931 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015932 6596 191.8 UdeM00000015932 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015933 6596 169.5 UdeM00000015933 XP_045162518.1 71.8 124
34 1 25 148 199 321 3.30E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015934 6596 191.8 UdeM00000015934 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015935 6596 167.9 UdeM00000015935 XP_045162518.1 71 124
35 1 25 148 199 321 9.50E-39 167.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015936 6596 191.8 UdeM00000015936 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015937 6596 169.1 UdeM00000015937 XP_045162518.1 71.8 124
34 1 386 509 199 321 1.50E-38 169.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015938 6596 191.8 UdeM00000015938 XP_045161174.1 61.1 149
54 2 46 193 39 184 8.20E-46 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015939 1735272 470.3 UdeM00000015939 XP_041377214.1 75.4
313 77 0 35 347 53 365 2.20E-129 470.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015940 1735272 486.5 UdeM00000015940 XP_041377214.1 79.2
308 64 0 44 351 60 367 3.00E-134 486.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015941 1735272 487.3 UdeM00000015941 XP_041377214.1 78.3
314 68 0 44 357 60 373 1.80E-134 487.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015942 6565 1380.5 UdeM00000015942 XP_022342025.1 67.2
1013 324 6 119 1128 97 1104 0.00E+00 1380.5 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015943 6596 265.4 UdeM00000015943 XP_045213493.1 47.2 254
124 3 2 246 137 389 7.80E-68 265.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015944 6596 172.2 UdeM00000015944 XP_045213493.1 46.5 159
78 2 5 157 232 389 5.90E-40 172.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015945 6596 337.4 UdeM00000015945 XP_045213493.1 47.2 343
168 6 59 393 37 374 2.60E-89 337.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015946 6596 324.3 UdeM00000015946 XP_045163858.1 45.3 327
173 2 6 326 65 391 1.80E-85 324.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015947 6500 291.6 UdeM00000015947 XP_005095133.1 56.1 237
102 2 9 244 1 236 9.40E-76 291.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000015948 6596 529.3 UdeM00000015948 XP_045163475.1 51.1 507
232 6 14 507 21 524 7.70E-147 529.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015950 6596 352.8 UdeM00000015950 XP_045162203.1 49.6 361
163 6 1 342 659 1019 5.20E-94 352.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015951 1735272 416.8 UdeM00000015951 XP_041356266.1 50.4
409 189 4 51 454 209 608 3.60E-113 416.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000015953 225164 75.5 UdeM00000015953 XP_009054454.1 39.7
121 68 3 2 121 56 172 6.10E-11 75.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea
UdeM00000015952 6596 142.5 UdeM00000015952 XP_045185048.1 39.3 178
92 2 7 168 8 185 5.60E-31 142.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015954 6596 751.1 UdeM00000015954 XP_045162203.1 43.8 938
434 19 11 863 1084 2013 1.50E-213 751.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015955 6596 746.9 UdeM00000015955 XP_045162203.1 43.9 922
425 18 6 843 1100 2013 2.80E-212 746.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015956 6596 751.5 UdeM00000015956 XP_045162203.1 43.6 920
428 16 5 840 1099 2011 1.20E-213 751.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015957 6596 548.5 UdeM00000015957 XP_045183751.1 49.7 527
248 7 3 520 23 541 9.10E-153 548.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015960 6596 538.9 UdeM00000015960 XP_045162442.1 64.5 566
178 4 120 679 30 578 9.40E-150 538.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015961 6596 464.9 UdeM00000015961 XP_045162442.1 67.4 337
107 2 1 335 36 371 1.00E-127 464.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015962 6596 117.9 UdeM00000015962 XP_045162442.1 52.2 113
50 1 28 136 466 578 1.10E-23 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015963 6596 178.7 UdeM00000015963 XP_045162962.1 45.3 448
213 6 7 424 16 461 1.50E-41 178.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015964 6596 170.6 UdeM00000015964 XP_045178436.1 37.2 266
158 4 478 738 52 313 7.40E-39 170.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015965 6596 213.4 UdeM00000015965 XP_045178436.1 36.4 319
191 6 538 852 7 317 1.20E-51 213.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015966 6573 390.2 UdeM00000015966 XP_021369816.1 76.7 266
60 1 2 265 3 268 2.10E-105 390.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015967 6579 704.1 UdeM00000015967 XP_033763222.1 66.7 510
130 3 1 505 1 475 1.30E-199 704.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015968 215358 117.9 UdeM00000015968 XP_027132797.1 48.2
114 59 0 1 114 138 251 9.90E-24 117.9 215358

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000015969 106582 90.5 UdeM00000015969 XP_012779827.2 53.6
69 32 0 1 69 293 361 9.10E-16 90.5 106582
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichliformes;Cichlidae;African

cichlids;Pseudocrenilabrinae;Haplochromini;Maylandia;Maylandia zebra complex;Maylandia zebra

UdeM00000015970 51655 105.5 UdeM00000015970 XP_037976812.1 29.9 214
102 3 5 170 93 306 6.70E-20 105.5 51655 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Yponomeutoidea;Plutellidae;Plutella;Plutella xylostella

UdeM00000015971 6565 531.9 UdeM00000015971 XP_022306197.1 46.1 698
293 14 9 654 16 682 1.10E-147 531.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostracoda;Ostreoidae;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015972 6596 384.4 UdeM00000015972 XP_045163264.1 73.3 243
64 1 61 302 82 324 1.30E-103 384.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015973 6573 172.9 UdeM00000015973 XP_021372846.1 64.9 114
40 0 95 208 138 251 1.10E-39 172.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015974 1735272 176.8 UdeM00000015974 XP_041377869.1 40
280 150 5 16 287 486 755 4.00E-41 176.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015975 6596 1559.7 UdeM00000015975 XP_045177443.1 63.1
1293 447 11 3 1281 2 1278 0.00E+00 1559.7 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015978 6596 717.6 UdeM00000015978 XP_045171655.1 60.1 584
225 2 52 627 41 624 1.40E-203 717.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015979 6596 612.5 UdeM00000015979 XP_045171655.1 60.7 484
186 1 2 481 141 624 4.70E-172 612.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015980 6500 295 UdeM00000015980 XP_005092455.1 57.5 221
94 0 3 223 8 228 1.00E-76 295 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000015981 225164 412.9 UdeM00000015981 XP_009057084.1 45.3
470 248 6 35 499 43 508 5.80E-112 412.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000015982 400727 226.1 UdeM00000015982 XP_025099511.1 48.5
202 102 1 20 221 93 292 4.50E-56 226.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000015983 225164 184.5 UdeM00000015983 XP_009057084.1 43.2
234 127 4 18 246 25 257 1.70E-43 184.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000015984 6500 292.4 UdeM00000015984 XP_005092455.1 61.1 203
79 0 21 223 26 228 6.50E-76 292.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000015985 6500 291.6 UdeM00000015985 XP_005092455.1 56.6 221
96 0 3 223 8 228 1.10E-75 291.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000015986 225164 389.4 UdeM00000015986 XP_009065179.1 41.3
460 263 4 24 477 4 462 6.50E-105 389.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000015987 6565 107.1 UdeM00000015987 XP_022292180.1 70.5 78
19 2 6 82 96 170 1.10E-20 107.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015988 400727 226.9 UdeM00000015988 XP_025099511.1 43.4
 244 132 3 21 261 52 292 3.10E-56 226.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000015989 225164 386.7 UdeM00000015989 XP_009065179.1 41.3
 470 265 6 37 501 19 482 4.40E-104 386.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000015990 400727 296.6 UdeM00000015990 XP_025099197.1 45.3
 322 173 2 7 327 189 508 3.90E-77 296.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000015991 225164 116.3 UdeM00000015991 XP_009057084.1 44
 150 75 4 16 157 20 168 3.60E-23 116.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000015993 7574 74.3 UdeM00000015993 XP_013400906.1 41.1 95
 55 1 18 112 226 319 1.20E-10 74.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;
 Lingulidae;Lingula;Lingula anatina
 UdeM00000015998 6596 223.8 UdeM00000015998 XP_045216699.1 66.3 169
 55 2 27 193 4 172 8.30E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000016000 6596 151.4 UdeM00000016000 XP_045163791.1 27.8 540
 290 14 1 504 21 496 3.20E-33 151.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000016003 6565 778.1 UdeM00000016003 XP_022337369.1 55.6 773
 304 12 4 764 693 1438 1.00E-221 778.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016004 29159 64.3 UdeM00000016004 XP_034299542.1 32.7 110
 66 2 38 144 31 135 2.90E-07 64.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016005 29159 65.5 UdeM00000016005 XP_034299542.1 33 109
 66 2 38 143 31 135 1.30E-07 65.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016006 6573 126.3 UdeM00000016006 XP_021372906.1 47.9 144
70 3 24 166 19 158 3.80E-26 126.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016007 6573 100.5 UdeM00000016007 XP_021372906.1 54.5 99
42 2 6 103 62 158 1.40E-18 100.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016008 1735272 303.1 UdeM00000016008 XP_041377845.1 49
298 149 1 56 353 20 314 4.60E-79 303.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000016009 1735272 283.1 UdeM00000016009 XP_041377845.1 49.8
267 134 0 56 322 20 286 4.40E-73 283.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000016010 6596 356.7 UdeM00000016010 XP_045162975.1 71 217
63 0 1 217 1 217 2.20E-95 356.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016011 6596 848.6 UdeM00000016011 XP_045161432.1 55.6 772
321 6 4 768 10 766 6.30E-243 848.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016012 6596 682.9 UdeM00000016012 XP_045161433.1 78.9 422
88 1 80 500 96 517 3.00E-193 682.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016014 6579 158.3 UdeM00000016014 XP_033724604.1 28.8 490
259 13 1 461 1 429 2.40E-35 158.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000016015 6596 141 UdeM00000016015 XP_045162709.1 31.5 381
219 6 1 342 1 378 2.90E-30 141 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016016 6596 300.4 UdeM00000016016 XP_045213379.1 59.8 244
 98 0 4 247 1 244 2.10E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016018 6596 829.3 UdeM00000016018 XP_045162289.1 70.9 601
 171 4 3 601 2 600 3.20E-237 829.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016017 6596 828.9 UdeM00000016017 XP_045162290.1 70.3 606
 176 4 3 606 2 605 4.20E-237 828.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016019 6596 804.7 UdeM00000016019 XP_045162289.1 68.7 601
 185 3 37 636 2 600 9.00E-230 804.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016020 6596 804.7 UdeM00000016020 XP_045162289.1 68.7 601
 185 3 46 645 2 600 9.10E-230 804.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016021 6596 804.7 UdeM00000016021 XP_045162289.1 68.7 601
 185 3 3 602 2 600 8.50E-230 804.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016025 6573 221.9 UdeM00000016025 XP_021362715.1 39.7 287
 173 0 2 288 41 327 1.10E-54 221.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016026 6573 198.7 UdeM00000016026 XP_021362715.1 40.6 254
 151 0 1 254 74 327 9.20E-48 198.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016027 6579 594.3 UdeM00000016027 XP_033763139.1 54 589
 235 7 22 575 29 616 1.60E-166 594.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016029 6579 103.6 UdeM00000016029 XP_033763846.1 40.5 148
 87 1 12 158 11 158 2.40E-19 103.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000016032 1735272 139.4 UdeM00000016032 XP_041378082.1 64.8
91 29 1 1 91 67 154 2.60E-30 139.4 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis
UdeM00000016033 6596 381.3 UdeM00000016033 XP_045163108.1 49.8 448
202 8 1 433 46 485 1.60E-102 381.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000016034 6579 240.7 UdeM00000016034 XP_033763223.1 45.1 346
173 6 1 333 154 495 2.60E-60 240.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000016035 6596 406 UdeM00000016035 XP_045156248.1 37.1 626
298 9 4 565 7 600 7.90E-110 406 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000016036 6596 258.1 UdeM00000016036 XP_045164043.1 46.6 341
133 9 1 334 1 299 1.80E-65 258.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000016037 6596 360.5 UdeM00000016037 XP_045163895.1 52 429
188 7 29 440 34 461 3.00E-96 360.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000016039 29159 246.9 UdeM00000016039 XP_034319278.1 60.6 198
63 4 8 196 7 198 2.20E-62 246.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000016040 6565 270.4 UdeM00000016040 XP_022329522.1 59.8 241
84 4 1 233 1 236 2.20E-69 270.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000016041 29159 116.7 UdeM00000016041 XP_034311349.1 58.1 105
39 2 2 101 25 129 1.70E-23 116.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000016045 6579 352.4 UdeM00000016045 XP_033725098.1 41.1 506
235 6 40 483 259 763 8.90E-94 352.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000044183 29159 91.7 UdeM00000044183 XP_034315421.1 36.4 143
83 2 91 226 333 474 1.30E-15 91.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000044184 6238 108.2 UdeM00000044184 XP_045091372.1 31.9 226
127 7 2 202 4 227 1.30E-20 108.2 6238 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Rhabditina;Rhabditomorpha;Rhabd
itoidea;Rhabditidae;Peloderinae;Caenorhabditis;Caenorhabditis briggsae
UdeM00000012421 6579 788.1 UdeM00000012421 XP_033751572.1 44.7 1094
480 36 1 1027 1 1036 1.30E-224 788.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012422 6596 718.4 UdeM00000012422 XP_045175535.1 76.1 477
108 1 1 471 1 477 6.20E-204 718.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012423 6579 391.3 UdeM00000012423 XP_033752662.1 57.2 594
221 11 7 588 666 1238 2.20E-105 391.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012424 6573 201.8 UdeM00000012424 XP_021347988.1 39.3 412
218 13 1 401 250 640 1.60E-48 201.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012425 6596 514.2 UdeM00000012425 XP_045175535.1 65.8 383
127 4 30 409 1294 1675 1.50E-142 514.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012426 7741 177.6 UdeM00000012426 XP_019639753.1 52.9 155
70 1 2 153 29 183 1.30E-41 177.6 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000012427 29159 689.9 UdeM00000012427 XP_011434736.2 50.6 725
325 11 140 841 15 729 4.10E-195 689.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012429 6596 793.1 UdeM00000012429 XP_045174290.1 56.5 774
171 3 92 863 95 704 3.50E-226 793.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012430 6596 90.9 UdeM00000012430 XP_045176774.1 28.4 264
 150 6 47 287 297 544 2.90E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012431 6596 217.6 UdeM00000012431 XP_045176774.1 46.7 255
 128 6 13 264 39 288 2.40E-53 217.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012432 6573 339 UdeM00000012432 XP_021342594.1 67.5 231
 74 1 17 247 7 236 5.30E-90 339 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012433 1735272 1465.7 UdeM00000012433 XP_041367703.1
 82.6 861 150 0 1 861 245 1105 0.00E+00 1465.7
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012434 6596 109.8 UdeM00000012434 XP_045174713.1 64.4 87
 30 1 17 103 394 479 4.00E-21 109.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012435 6596 81.6 UdeM00000012435 XP_045174280.1 37.6 109
 64 2 18 123 27 134 8.20E-13 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012436 6596 74.3 UdeM00000012436 XP_045174280.1 38 92
 54 1 2 90 43 134 9.90E-11 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012437 400727 335.1 UdeM00000012437 XP_025088253.1 68.5
 235 71 2 183 417 230 461 1.30E-88 335.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000012438 6596 973 UdeM00000012438 XP_045174274.1 73.6 682
 137 13 28 693 9 663 2.00E-280 973 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012439 6596 844.3 UdeM00000012439 XP_045174275.1 50 996
136 13 7 989 17 663 1.50E-241 844.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012440 6596 666.8 UdeM00000012440 XP_045174293.1 70.1 461
136 2 1 460 753 1212 3.00E-188 666.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012441 6596 788.9 UdeM00000012441 XP_045174293.1 77.8 505
112 0 38 542 34 538 4.20E-225 788.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012442 2607531 270 UdeM00000012442 XP_029642573.2 29.3
600 330 16 23 549 712 1290 7.00E-69 270 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000012447 6573 157.9 UdeM00000012447 XP_021368660.1 33.8 240
141 4 8 231 13 250 1.60E-35 157.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012448 6596 496.9 UdeM00000012448 XP_045176042.1 44.6 518
277 6 191 703 50 562 4.30E-137 496.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012449 6596 139.4 UdeM00000012449 XP_045175306.1 39 213
115 3 1 211 24 223 5.30E-30 139.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012450 6573 84.3 UdeM00000012450 XP_021353116.1 30.2 252
135 9 13 241 38 271 2.60E-13 84.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012451 6596 151.4 UdeM00000012451 XP_045175679.1 32.9 462
159 16 55 414 49 461 2.70E-33 151.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012452 6596 152.9 UdeM00000012452 XP_045175679.1 32.1 483
 177 16 33 413 28 461 9.30E-34 152.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012453 29159 429.1 UdeM00000012453 XP_011444138.2 49 527
 249 7 30 541 3 524 8.40E-117 429.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012454 29159 282.3 UdeM00000012454 XP_011442603.1 75 164
 41 0 1 164 1 164 3.80E-73 282.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012455 29159 273.1 UdeM00000012455 XP_011442603.1 72.6 164
 45 0 1 164 1 164 2.30E-70 273.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012457 6573 772.3 UdeM00000012457 XP_021345779.1 45.6 1032
 460 22 54 1007 178 1186 7.50E-220 772.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012458 6579 326.6 UdeM00000012458 XP_033753032.1 27 1385
 772 50 21 1353 2 1199 1.50E-85 326.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012459 6596 97.1 UdeM00000012459 XP_045177102.1 48 127
 55 3 36 152 34 159 2.20E-17 97.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012460 6573 150.2 UdeM00000012460 XP_021356433.1 54 139
 63 1 1 138 330 468 2.90E-33 150.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012461 6579 122.1 UdeM00000012461 XP_033751890.1 34.7 199
 110 4 8 196 109 297 8.10E-25 122.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012463 6596 1290.8 UdeM00000012463 XP_045175283.1 77.5
 835 184 3 1 834 165 996 0.00E+00 1290.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012464 225164 75.9 UdeM00000012464 XP_009051402.1 32.5
 154 89 5 15 159 215 362 3.60E-10 75.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000012465 6573 607.4 UdeM00000012465 XP_021368124.1 52.7 674
 257 17 56 682 24 682 2.20E-170 607.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012466 6596 286.6 UdeM00000012466 XP_045174259.1 61.8 220
 82 1 1 218 1831 2050 2.80E-74 286.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012467 1735272 141 UdeM00000012467 XP_041367077.1 42
 176 51 2 4 128 726 901 1.10E-30 141 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012468 225164 147.9 UdeM00000012468 XP_009066022.1 26.3
 577 286 12 5 477 115 656 3.30E-32 147.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000012469 6596 349.7 UdeM00000012469 XP_045174259.1 63.1 268
 97 1 1 266 1783 2050 3.30E-93 349.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012470 6596 1498.8 UdeM00000012470 XP_045174259.1 52.6
 1382 620 9 158 1533 261 1613 0.00E+00 1498.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012471 6596 2095.9 UdeM00000012471 XP_045174259.1 56.2
 1819 761 10 158 1969 261 2050 0.00E+00 2095.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012472 6596 2167.5 UdeM00000012472 XP_045174259.1 53
 2075 910 19 1 2061 28 2050 0.00E+00 2167.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000012473 6573 259.2 UdeM00000012473 XP_021368296.1 34.5 632
 313 20 1 573 1 590 1.80E-65 259.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012474 6579 198.7 UdeM00000012474 XP_033752953.1 40.2 264
 143 3 3 266 560 808 9.30E-48 198.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012475 6596 65.5 UdeM00000012475 XP_045176763.1 58.6 58
 18 2 10 61 19 76 5.60E-08 65.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000012476 1735272 522.7 UdeM00000012476 XP_041356796.1 50.8
 543 252 8 83 619 59 592 6.40E-145 522.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pelto-
 spiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012477 6596 698.4 UdeM00000012477 XP_045176730.1 65.3 487
 169 0 1 487 1 487 6.70E-198 698.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000012478 6596 699.9 UdeM00000012478 XP_045176730.1 64.9 490
 172 0 1 490 1 490 2.30E-198 699.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000012479 6596 217.6 UdeM00000012479 XP_045176442.1 34.5 368
 166 4 19 313 65 430 2.20E-53 217.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000012480 46514 136.3 UdeM00000012480 XP_038053347.1 33.3 210
 137 3 2 210 574 781 4.50E-29 136.3 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;
 Patiria;Patiria miniata
 UdeM00000012481 7998 590.9 UdeM00000012481 XP_017334791.1 66.6 422
 141 0 1 422 1 422 2.10E-165 590.9 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;
 Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluridae;Ictaluridae;Ictalurus;
 Ictalurus punctatus

UdeM00000012482 6596 283.1 UdeM00000012482 XP_045174627.1 43.3 323
 175 3 4 318 1511 1833 4.40E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012483 6579 136 UdeM00000012483 XP_033751294.1 63.6 88
 32 0 3 90 1875 1962 2.80E-29 136 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012484 6579 447.2 UdeM00000012484 XP_033751294.1 43.6 518
 225 8 3 455 1875 2390 2.60E-122 447.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012485 6579 326.6 UdeM00000012485 XP_033751294.1 41.7 412
 173 8 4 350 1981 2390 3.90E-86 326.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009127 6565 193 UdeM00000009127 XP_022287659.1 42.1 247
 136 4 11 253 8 251 5.50E-46 193 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009128 29159 565.8 UdeM00000009128 XP_034330259.1 41.6 735
 381 13 245 964 2 703 1.00E-157 565.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009130 29159 135.6 UdeM00000009130 XP_034315421.1 35.7 258
 107 5 40 242 221 474 8.60E-29 135.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009132 29159 321.2 UdeM00000009132 XP_034318666.1 65.8 219
 75 0 1 219 482 700 1.00E-84 321.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009133 29159 351.3 UdeM00000009133 XP_034318948.1 41.6 473
 160 3 1 357 481 953 1.50E-93 351.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009134 6565 200.3 UdeM00000009134 XP_022306954.1 44.3 212
 116 1 1 210 737 948 2.50E-48 200.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009135 6706 151 UdeM00000009135 XP_042235765.1 43.9 157
 88 0 1 157 1 157 1.30E-33 151 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Malacostraca; Eumalacostraca; Eucarida; Decapoda; Pleocyemata; Astacidea; Nephropoidea; Nephropidae; Homarus; Homarus americanus

UdeM00000009136 7906 119 UdeM00000009136 XP_034783435.1 26.8 384
248 7 60 414 46 425 1.80E-23 119 7906 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Chondrostei; Acipenseriformes; Acipenseroides; Acipenseridae; Acipenserinae; Acipenserini; Acipenser; Acipenser ruthenus

UdeM00000009137 6596 68.9 UdeM00000009137 XP_045208259.1 50.7 67
30 1 8 71 239 305 3.80E-09 68.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009143 6596 132.1 UdeM00000009143 XP_045181000.1 62.6 99
37 0 8 106 856 954 4.30E-28 132.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009144 6596 185.3 UdeM00000009144 XP_045182316.1 45.8 227
119 3 1 227 392 614 1.40E-43 185.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012032 7741 282.3 UdeM00000012032 XP_019622111.1 50.4 280
136 3 5 283 1 278 6.60E-73 282.3 7741 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma belcheri

UdeM00000012033 6596 102.1 UdeM00000012033 XP_045181091.1 30.2 298
167 10 6 286 121 394 1.70E-18 102.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012034 6596 201.1 UdeM00000012034 XP_045181091.1 34.8 376
219 6 31 397 28 386 3.30E-48 201.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012035 6573 1653.6 UdeM00000012035 XP_021354423.1 65.2
1195 403 8 2 1186 3 1194 0.00E+00 1653.6 6573
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000012036 6596 458.8 UdeM00000012036 XP_045182653.1 49.6 448
215 5 12 448 1180 1627 8.40E-126 458.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012037 6579 558.9 UdeM00000012037 XP_033726516.1 42.9 758
 382 12 1 734 1 731 9.50E-156 558.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012038 6596 461.5 UdeM00000012038 XP_045182653.1 59.9 416
 158 7 1 409 1635 2048 1.10E-126 461.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012039 6596 469.5 UdeM00000012039 XP_045182653.1 60.3 416
 158 6 1 411 1635 2048 4.20E-129 469.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012040 6596 350.1 UdeM00000012040 XP_045170643.1 49.6 357
 166 4 31 379 32 382 3.50E-93 350.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012041 34638 72 UdeM00000012041 XP_003738265.1 53.5 71
 30 1 9 76 10 80 4.50E-10 72 34638 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Mesostigmata;Monogynaspida;Gamasina;Phytoseioidea;Phytoseiidae;Typhl
 odrominae;Galendromus;Galendromus occidentalis
 UdeM00000012042 6596 573.2 UdeM00000012042 XP_045182120.1 67.7 462
 120 3 1 433 1 462 2.90E-160 573.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012043 6596 622.1 UdeM00000012043 XP_045182118.1 72.2 439
 105 4 1 428 40 472 5.30E-175 622.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012044 6596 225.3 UdeM00000012044 XP_045172484.1 25.3 668
 458 17 16 667 78 720 2.30E-55 225.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012045 6596 246.9 UdeM00000012045 XP_045182096.1 41.4 370
 173 9 1 353 118 460 4.00E-62 246.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012047 6579 68.6 UdeM00000012047 XP_033755850.1 42.4 85
 49 0 9 93 321 405 6.30E-09 68.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012049 6596 283.9 UdeM00000012049 XP_045182305.1 46.1 323
 166 3 2 318 3 323 3.30E-73 283.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012050 6596 880.2 UdeM00000012050 XP_045180223.1 65.2 741
 217 13 2 708 3 736 2.10E-252 880.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012051 6573 773.9 UdeM00000012051 XP_021343413.1 69.3 534
 164 0 3 536 5 538 1.40E-220 773.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012052 29159 204.1 UdeM00000012052 XP_011445135.2 45.7 258
 135 3 94 347 172 428 2.90E-49 204.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012054 6565 213.4 UdeM00000012054 XP_022345146.1 29.8 413
 287 2 5 414 761 1173 5.80E-52 213.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012055 6565 285.4 UdeM00000012055 XP_022337165.1 65.3 216
 66 1 8 223 6 212 6.20E-74 285.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012056 6573 375.6 UdeM00000012056 XP_021371458.1 38.9 565
 281 8 158 690 251 783 1.40E-100 375.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012057 6596 323.6 UdeM00000012057 XP_045177781.1 36.2 541
 283 7 1 498 97 618 6.60E-85 323.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012058 6596 374.4 UdeM00000012058 XP_045182203.1 38.1 598
 334 10 114 691 187 768 3.10E-100 374.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012059 6596 367.5 UdeM00000012059 XP_045177776.1 40.5 524
 293 4 1 520 405 913 2.90E-98 367.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012060 6565 111.3 UdeM00000012060 XP_022308598.1 34.1 220
 136 5 31 246 15 229 1.80E-21 111.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012061 6573 380.9 UdeM00000012061 XP_021371458.1 42.7 503
 241 6 266 745 305 783 3.60E-102 380.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012062 6596 429.9 UdeM00000012062 XP_045177776.1 41.8 577
 295 11 360 929 393 935 1.10E-116 429.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012063 6596 435.6 UdeM00000012063 XP_045177776.1 41.9 575
 295 10 360 927 393 935 1.90E-118 435.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012064 29159 115.2 UdeM00000012064 XP_011430296.2 38.4 164
 81 1 7 150 8 171 7.50E-23 115.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012065 1735272 140.6 UdeM00000012065 XP_041362167.1 40.5
 173 99 2 7 175 9 181 1.90E-30 140.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012066 6500 87 UdeM00000012066 XP_012946233.1 58.5 65
 26 1 4 68 3 66 1.20E-14 87 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000012073 1735272 288.1 UdeM00000012073 XP_041352907.1 55.6
 248 106 2 45 289 90 336 1.30E-74 288.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012074 7757 324.3 UdeM00000012074 XP_032815300.1 59.9 257
 100 3 115 369 677 932 2.00E-85 324.3 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000012075 6596 275.4 UdeM00000012075 XP_045180737.1 35.1 864
310 17 182 808 593 1442 2.30E-70 275.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012076 6596 110.5 UdeM00000012076 XP_045180737.1 49.2 130
59 2 216 344 584 707 6.10E-21 110.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012077 6596 118.6 UdeM00000012077 XP_045180737.1 58.7 109
43 1 13 119 14 122 7.30E-24 118.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012079 1735272 502.7 UdeM00000012079 XP_041361294.1 66
341 116 0 4 344 125 465 3.80E-139 502.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012078 1735272 655.6 UdeM00000012078 XP_041361294.1 64.1
465 167 0 1 465 1 465 4.70E-185 655.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012080 1735272 161 UdeM00000012080 XP_041361294.1 60.8
120 47 0 1 120 1 120 9.50E-37 161 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012081 6596 2433.3 UdeM00000012081 XP_045193558.1 34.4
4508 2704 94 1 4405 41 4399 0.00E+00 2433.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012082 6573 94.4 UdeM00000012082 XP_021365625.1 52.9 87
41 0 8 94 40 126 1.90E-16 94.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012083 29159 108.6 UdeM00000012083 XP_034313077.1 53.5 99
45 1 17 114 126 224 5.30E-21 108.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000012084 6596 409.8 UdeM00000012084 XP_045182480.1 58.5 371
 144 5 43 407 44 410 3.90E-111 409.8 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000012085 1437191 80.9 UdeM00000012085 XP_029054816.1 42.3
 78 44 1 2 78 386 463 8.10E-13 80.9 1437191
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Acul
 eata; Apoidea; Megachilidae; Megachilinae; Osmiini; Osmia; Osmia bicornis; Osmia
 bicornis bicornis
 UdeM00000012086 45264 251.1 UdeM00000012086 XP_044177087.1 49.8 249
 122 2 5 253 216 461 1.50E-63 251.1 45264 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
 corallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora
 millepora
 UdeM00000012087 400727 389.4 UdeM00000012087 XP_025091401.1 36.2
 702 369 15 11 688 27 673 9.60E-105 389.4 400727
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
 ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
 UdeM00000012088 6596 342 UdeM00000012088 XP_045209667.1 45.4 326
 177 1 85 410 191 515 1.00E-90 342 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000012089 6596 342 UdeM00000012089 XP_045209667.1 45.4 326
 177 1 123 448 191 515 1.10E-90 342 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000012090 6596 343.6 UdeM00000012090 XP_045209667.1 45.1 324
 177 1 93 416 191 513 3.60E-91 343.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000012091 6565 158.3 UdeM00000012091 XP_022328252.1 44.1 211
 100 5 1 193 1105 1315 9.80E-36 158.3 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000012092 6565 864 UdeM00000012092 XP_022308715.1 76.9 516
 118 1 8 523 6 520 9.80E-248 864 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012093 6565 866.3 UdeM00000012093 XP_022308715.1 77.3 516
116 1 8 523 6 520 2.00E-248 866.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012094 6596 206.1 UdeM00000012094 XP_045180504.1 52.5 198
90 3 10 203 17 214 4.40E-50 206.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012096 6596 102.1 UdeM00000012096 XP_045180504.1 51.2 84
41 0 24 107 214 297 6.50E-19 102.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012097 6596 122.9 UdeM00000012097 XP_045181496.1 43.9 155
84 1 95 246 345 499 5.90E-25 122.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012098 6596 237.3 UdeM00000012098 XP_045181496.1 43.4 286
158 2 95 376 345 630 3.20E-59 237.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012099 6596 644 UdeM00000012099 XP_045181496.1 47.4 645
334 3 17 656 83 727 2.10E-181 644 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012100 6596 851.7 UdeM00000012100 XP_045181496.1 60.1 704
260 6 15 702 17 715 7.00E-244 851.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012101 6573 212.2 UdeM00000012101 XP_021354348.1 50.9 289
129 3 1 289 1 276 1.30E-51 212.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012102 6565 190.7 UdeM00000012102 XP_022336632.1 24.2 652
442 15 1 634 63 680 5.90E-45 190.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012103 8078 126.3 UdeM00000012103 XP_035996634.1 57 93
 40 0 1 93 214 306 2.40E-26 126.3 8078 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus
 heteroclitus

UdeM00000012104 63155 147.9 UdeM00000012104 XP_030580630.1 53.5 129
 60 0 14 142 8 136 9.80E-33 147.9 63155 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;New World
 cichlids;Cichlasomatinae;Heroini;Archocentrus;Archocentrus centrarchus

UdeM00000012105 6596 661.8 UdeM00000012105 XP_045180584.1 52.3 583
 271 4 51 633 95 670 9.00E-187 661.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012106 29159 60.1 UdeM00000012106 XP_019918370.2 48.3 58
 28 1 116 171 37 94 3.40E-06 60.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012107 7739 449.5 UdeM00000012107 XP_035696678.1 57.5 374
 156 1 13 383 530 903 4.60E-123 449.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000012108 6596 142.1 UdeM00000012108 XP_045182223.1 26.2 362
 250 10 36 384 30 387 1.50E-30 142.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012109 6596 82 UdeM00000012109 XP_045182223.1 30.6 157
 102 4 36 186 30 185 1.50E-12 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012111 6579 123.6 UdeM00000012111 XP_033727138.1 46.3 121
 63 1 476 594 563 683 9.40E-25 123.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012112 6596 209.1 UdeM00000012112 XP_045181411.1 22.6 780
 424 12 27 798 677 1284 2.00E-50 209.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012113 6579 534.6 UdeM00000012113 XP_033726652.1 47.2 629
300 10 11 620 15 630 1.60E-148 534.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012118 6596 368.2 UdeM00000012118 XP_045181639.1 79.2 212
44 0 1 212 1 212 6.90E-99 368.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012119 6596 403.3 UdeM00000012119 XP_045181259.1 45.6 579
217 18 6 547 5 522 5.00E-109 403.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012120 6573 235.3 UdeM00000012120 XP_021355947.1 52.4 267
104 7 4 258 3 258 9.00E-59 235.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012122 441366 132.9 UdeM00000012122 XP_028326620.1 40.6
197 107 5 1 194 48 237 4.50E-28 132.9 441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000012121 441366 170.2 UdeM00000012121 XP_028296753.1 38.4
284 158 9 6 285 32 302 3.70E-39 170.2 441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000012123 6596 742.3 UdeM00000012123 XP_045182167.1 61 649
230 11 18 656 309 944 5.40E-211 742.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012124 29159 423.7 UdeM00000012124 XP_034316358.1 42.9 508
274 10 1 504 5 500 3.30E-115 423.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012125 29159 423.7 UdeM00000012125 XP_034316358.1 42.8 509
275 10 62 566 4 500 3.70E-115 423.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012126 6565 202.6 UdeM00000012126 XP_022344978.1 34 430
215 11 1 398 1 393 9.40E-49 202.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012131 6596 227.3 UdeM00000012131 XP_045181493.1 50.8 266
113 4 10 274 465 713 2.60E-56 227.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012134 1735272 124.4 UdeM00000012134 XP_041360768.1 51.7
116 56 0 9 124 6 121 1.10E-25 124.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000012136 29159 622.1 UdeM00000012136 XP_034323675.1 72.3 415
98 4 1 399 1 414 6.50E-175 622.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012137 29159 600.9 UdeM00000012137 XP_034323675.1 65.5 458
98 5 1 442 1 414 1.70E-168 600.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012138 6596 164.5 UdeM00000012138 XP_045171211.1 52 125
60 0 16 140 19 143 1.00E-37 164.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012139 6596 120.2 UdeM00000012139 XP_045180931.1 49.2 132
66 1 1 131 1 132 2.50E-24 120.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012140 6596 120.2 UdeM00000012140 XP_045180931.1 49.2 132
66 1 1 131 1 132 3.40E-24 120.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018533 6596 291.6 UdeM00000018533 XP_045201488.1 31.6 589
364 10 82 640 67 646 2.50E-75 291.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018534 6596 386.3 UdeM00000018534 XP_045177776.1 41.4 543
287 11 13 539 396 923 9.20E-104 386.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018536 133434 98.2 UdeM00000018536 XP_022091439.1 37.3
161 83 3 3 146 524 683 9.40E-18 98.2 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000018537 45351 83.6 UdeM00000018537 XP_001623471.2 31.4 188
102 4 10 181 12 188 3.40E-13 83.6 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000018538 6596 376.3 UdeM00000018538 XP_045177776.1 41.2 532
288 10 1 519 405 924 7.00E-101 376.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018539 6596 250.8 UdeM00000018539 XP_045177776.1 42.4 335
183 6 62 394 549 875 3.00E-63 250.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018541 6596 728.4 UdeM00000018541 XP_045179300.1 65.9 555
119 5 22 575 22 507 7.20E-207 728.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018542 59861 176.4 UdeM00000018542 XP_041731387.1 45.6 193
101 2 1 189 13 205 3.40E-41 176.4 59861 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Protacanthopterygii;Salmoniformes;Salmonidae;Coregoninae;Coregonus;Coregonus clupeaformis

UdeM00000018543 7741 290 UdeM00000018543 XP_019622111.1 52.7 281
128 4 5 283 1 278 3.20E-75 290 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000018544 6565 142.9 UdeM00000018544 XP_022286553.1 31.6 269
178 2 17 282 14 279 7.20E-31 142.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018545 6565 104.8 UdeM00000018545 XP_022336926.1 30.3 231
144 6 86 308 516 737 2.20E-19 104.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018546 6596 387.9 UdeM00000018546 XP_045162172.1 25.8 1386
623 18 90 1433 36 1057 5.70E-104 387.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018547 6596 276.2 UdeM00000018547 XP_045177590.1 44.3 323
144 7 18 309 45 362 5.90E-71 276.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018548 6596 811.6 UdeM00000018548 XP_045177590.1 54.2 688
304 8 2 683 326 1008 7.80E-232 811.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018549 6596 511.5 UdeM00000018549 XP_045177590.1 61.6 476
133 13 5 465 1080 1520 1.10E-141 511.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018550 6596 452.6 UdeM00000018550 XP_045177655.1 50.5 442
213 3 1 436 1 442 5.80E-124 452.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018552 6596 347.1 UdeM00000018552 XP_045177776.1 38.8 536
280 10 1 505 405 923 4.40E-92 347.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018553 45351 87.4 UdeM00000018553 XP_001623471.2 31 200
109 5 10 192 12 199 2.20E-14 87.4 45351 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
UdeM00000018554 6596 278.1 UdeM00000018554 XP_045178146.1 37.6 415
207 4 22 384 18 432 2.00E-71 278.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018555 6596 81.6 UdeM00000018555 XP_045179680.1 34.3 181
 100 7 223 391 201 374 2.40E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018556 6573 110.9 UdeM00000018556 XP_021339818.1 40.3 144
 82 3 191 331 40 182 4.00E-21 110.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018557 6596 944.1 UdeM00000018557 XP_045177690.1 69.7 661
 197 2 1 659 1 660 9.40E-272 944.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018558 6596 937.9 UdeM00000018558 XP_045177690.1 69.1 667
 197 3 1 665 1 660 6.80E-270 937.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018559 6596 934.9 UdeM00000018559 XP_045177690.1 69.3 662
 194 3 1 660 6 660 5.70E-269 934.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018560 6596 288.9 UdeM00000018560 XP_045179222.1 51.5 268
 125 3 31 297 17 280 7.50E-75 288.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018561 29159 314.3 UdeM00000018561 XP_011432228.2 49.8 492
 240 4 6 494 108 595 2.80E-82 314.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018562 29159 322 UdeM00000018562 XP_011432228.2 50 496
 244 3 46 541 104 595 1.40E-84 322 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018563 6412 118.6 UdeM00000018563 XP_009014168.1 58.4 89
 33 1 1 85 1 89 4.70E-24 118.6 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000018564 6596 667.2 UdeM00000018564 XP_045178501.1 74.1 409
 101 2 1 409 1 404 1.40E-188 667.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018565 6596 276.2 UdeM00000018565 XP_045179389.1 48.5 295
 125 4 25 301 33 318 5.10E-71 276.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018566 225164 370.5 UdeM00000018566 XP_009062152.1 53.4
 328 144 3 73 395 362 685 2.60E-99 370.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000018567 29159 266.5 UdeM00000018567 XP_034315989.1 67.5 191
 62 0 6 196 31 221 2.60E-68 266.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018568 151771 59.7 UdeM00000018568 XP_028412199.1 37
 92 55 2 2 92 3 92 2.50E-06 59.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000018569 45351 82.8 UdeM00000018569 XP_001623471.2 32.6 172
 95 4 3 155 6 175 5.80E-13 82.8 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000018570 6596 548.9 UdeM00000018570 XP_045178302.1 71.5 432
 120 2 24 453 13 443 6.10E-153 548.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018571 6573 91.7 UdeM00000018571 XP_021365625.1 51.7 87
 42 0 53 139 40 126 9.20E-16 91.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018572 6596 783.9 UdeM00000018572 XP_045209346.1 41.1 1039
 603 8 23 1052 35 1073 2.70E-223 783.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018573 6596 787.7 UdeM00000018573 XP_045209346.1 40.8 1061
 616 9 2 1051 14 1073 1.80E-224 787.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018574 6596 125.9 UdeM00000018574 XP_045209346.1 41.3 150
 87 1 2 150 924 1073 4.90E-26 125.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018578 6596 377.9 UdeM00000018578 XP_045177776.1 40.8 534
289 10 1 522 405 923 3.20E-101 377.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018580 45351 83.6 UdeM00000018580 XP_001623471.2 32.5 197
100 6 3 180 6 188 3.50E-13 83.6 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000018581 6596 166.8 UdeM00000018581 XP_045177695.1 48.6 177
89 2 15 190 172 347 2.80E-38 166.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018582 6579 78.2 UdeM00000018582 XP_033725557.1 67.4 43
14 0 1 43 59 101 9.30E-12 78.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018583 6596 201.4 UdeM00000018583 XP_045177778.1 41.4 302
155 7 1 291 405 695 2.60E-48 201.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018584 1250792 153.3 UdeM00000018584 XP_041861569.1 37.5
224 101 5 76 265 449 667 4.30E-34 153.3 1250792

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000018587 45351 86.7 UdeM00000018587 XP_001623471.2 32.8 189
98 5 10 181 12 188 4.00E-14 86.7 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000018588 6596 152.1 UdeM00000018588 XP_045177590.1 68 100
32 0 125 224 826 925 9.50E-34 152.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018589 1735272 122.5 UdeM00000018589 XP_041356959.1 63.3
98 35 1 125 222 116 212 6.90E-25 122.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000018590 6500 78.2 UdeM00000018590 XP_035825129.1 37.7 77
48 0 1 77 703 779 5.50E-12 78.2 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000018591 7739 185.7 UdeM00000018591 XP_035662901.1 50.5 190
90 2 1 189 403 589 5.60E-44 185.7 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000018592 6596 540.4 UdeM00000018592 XP_045177590.1 50.6 478
230 6 14 488 249 723 2.60E-150 540.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018594 6596 166.4 UdeM00000018594 XP_045177590.1 41.5 217
112 5 4 211 45 255 4.50E-38 166.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018595 29159 108.2 UdeM00000018595 XP_034319609.1 26.1 268
106 2 1 176 687 954 1.10E-20 108.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018596 29159 66.2 UdeM00000018596 XP_034322147.1 28.2 177
28 1 1 78 374 550 2.10E-08 66.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018599 6596 187.6 UdeM00000018599 XP_045177781.1 43.6 220
121 3 49 267 401 618 4.40E-44 187.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018600 29159 201.8 UdeM00000018600 XP_011449140.2 50.9 163
80 0 8 170 107 269 7.00E-49 201.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018601 6596 190.7 UdeM00000018601 XP_045177778.1 38.1 299
168 5 1 290 405 695 4.30E-45 190.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018603 1250792 139.8 UdeM00000018603 XP_041861569.1 43.7
167 86 4 3 168 508 667 3.20E-30 139.8 1250792
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
eriniiformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000018604 7962 91.7 UdeM00000018604 XP_042606186.1 35.3 150
80 6 5 138 273 421 8.10E-16 91.7 7962 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
idei;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio

UdeM00000018605 6596 165.2 UdeM00000018605 XP_045200121.1 37.9 253
147 3 40 283 51 302 1.30E-37 165.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018606 6579 149.1 UdeM00000018606 XP_033732676.1 32.9 298
180 10 17 306 121 406 9.50E-33 149.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018607 6596 197.2 UdeM00000018607 XP_045177776.1 43.2 234
128 3 11 243 696 925 5.70E-47 197.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018608 6565 63.9 UdeM00000018608 XP_022320668.1 30.1 166
82 6 5 138 627 790 1.80E-07 63.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018609 6579 163.3 UdeM00000018609 XP_033725289.1 40.7 204
74 2 1 157 316 519 2.70E-37 163.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018610 6596 214.5 UdeM00000018610 XP_045177778.1 41.1 319
166 7 386 693 388 695 5.00E-52 214.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018611 6596 400.6 UdeM00000018611 XP_045174460.1 33.6 679
342 10 6 659 5 599 3.90E-108 400.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018612 6573 172.9 UdeM00000018612 XP_021363425.1 52.7 150
71 0 2 151 4 153 3.90E-40 172.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018613 456900 70.9 UdeM00000018613 XP_018394401.1 32.8
137 84 2 17 152 15 144 1.60E-09 70.9 456900

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Attini;Cyphomyrmex;Cyphomyrmex

costatus

UdeM00000018614 6596 439.9 UdeM00000018614 XP_045178493.1 53.3 381
173 3 1 379 1 378 3.30E-120 439.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria

UdeM00000018615 6596 436 UdeM00000018615 XP_045178493.1 53.8 381
171 3 1 379 1 378 4.80E-119 436 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria

UdeM00000018616 6573 580.5 UdeM00000018616 XP_021367864.1 88.6 315
36 0 1 315 1 315 1.30E-162 580.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018617 6526 244.2 UdeM00000018617 XP_013060793.1 52.4 225
107 0 56 280 1 225 2.00E-61 244.2 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Planorbata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria

UdeM00000018619 6573 142.9 UdeM00000018619 XP_021367172.1 37.8 336
179 6 51 363 394 722 8.00E-31 142.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018618 6596 254.2 UdeM00000018618 XP_045178535.1 39.2 725
317 15 1 668 1 658 4.60E-64 254.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria

UdeM00000018620 6565 161.8 UdeM00000018620 XP_022324511.1 40.3 278
138 5 1 270 1 258 1.60E-36 161.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018621 6596 280 UdeM00000018621 XP_045179111.1 33.3 670
179 15 13 425 70 728 5.10E-72 280 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018622 400727 184.5 UdeM00000018622 XP_025089150.1 38.6
259 148 6 24 271 4 262 1.80E-43 184.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000018624 6573 177.9 UdeM00000018624 XP_021371412.1 41.7 223
124 4 42 262 1118 1336 3.80E-41 177.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018625 70779 91.7 UdeM00000018625 XP_015772592.1 37.9 174
93 3 1 159 185 358 9.60E-16 91.7 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000018626 1735272 101.7 UdeM00000018626 XP_041354133.1 39.3
145 73 4 25 169 1 130 1.00E-18 101.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018627 6579 84.7 UdeM00000018627 XP_033727573.1 31.7 202
114 7 13 193 45 243 2.00E-13 84.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018628 225164 75.5 UdeM00000018628 XP_009057862.1 28
175 112 7 266 433 30 197 2.00E-10 75.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000018629 29159 155.6 UdeM00000018629 XP_011419444.2 40.4 213
123 3 10 220 21 231 7.50E-35 155.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018630 6596 170.2 UdeM00000018630 XP_045158722.1 42.3 215
113 3 1 215 48 251 3.20E-39 170.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018631 7054 67.4 UdeM00000018631 XP_031350403.1 46.7 60
31 1 4 62 225 284 9.50E-09 67.4 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000018632 37621 84 UdeM00000018632 XP_014671072.1 47.4 78
39 1 24 101 106 181 1.20E-13 84 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000018633 6596 161 UdeM00000018633 XP_045158722.1 45.6 182
88 3 3 184 75 245 1.80E-36 161 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018634 6573 92.4 UdeM00000018634 XP_021354128.1 60.6 66
26 0 22 87 21 86 3.00E-16 92.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018635 6596 1231.1 UdeM00000018635 XP_045179723.1 63.9
917 326 1 1 912 100 1016 0.00E+00 1231.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018636 400727 537 UdeM00000018636 XP_025092893.1 61.4
420 147 2 21 426 27 445 2.20E-149 537 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000018637 400727 539.7 UdeM00000018637 XP_025092893.1 57.9
454 156 2 21 474 27 445 3.80E-150 539.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000018638 6596 1280 UdeM00000018638 XP_045177686.1 67.5 944
267 5 1 907 1 941 0.00E+00 1280 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018639 6596 721.1 UdeM00000018639 XP_045178731.1 55.3 573
251 4 40 610 120 689 1.20E-204 721.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018640 29159 208.4 UdeM00000018640 XP_011447117.2 42 319
148 8 10 305 2 306 1.30E-50 208.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018641 6579 194.9 UdeM00000018641 XP_033749282.1 43 270
129 8 30 282 54 315 1.40E-46 194.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018642 6579 221.1 UdeM00000018642 XP_033749282.1 40.2 321
167 8 7 310 3 315 2.00E-54 221.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018643 6596 297.7 UdeM00000018643 XP_045201862.1 31.3 707
428 19 5 669 4 694 3.60E-77 297.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018644 6596 179.5 UdeM00000018644 XP_045156925.1 35.2 307
181 7 6 297 5 308 6.40E-42 179.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018645 6596 100.5 UdeM00000018645 XP_045157494.1 26.4 368
226 12 14 349 347 701 4.50E-18 100.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018646 6596 288.5 UdeM00000018646 XP_045201862.1 30.1 700
434 17 5 658 4 694 2.20E-74 288.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018647 6596 233.8 UdeM00000018647 XP_045157409.1 32 466
289 7 6 444 5 469 4.30E-58 233.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018648 6596 61.6 UdeM00000018648 XP_045156697.1 29.2 137
94 2 41 174 571 707 1.20E-06 61.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018650 6596 293.5 UdeM00000018650 XP_045201862.1 30.1 710
432 18 5 669 4 694 6.90E-76 293.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018651 6596 791.6 UdeM00000018651 XP_045178731.1 55.9 621
256 4 16 621 72 689 7.40E-226 791.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018652 6596 405.2 UdeM00000018652 XP_045214637.1 49.7 384
 189 3 9 392 14 393 9.40E-110 405.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018653 6596 370.5 UdeM00000018653 XP_045214637.1 49.6 343
 170 2 11 353 16 355 2.30E-99 370.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018654 6596 424.9 UdeM00000018654 XP_045214637.1 51.2 383
 184 2 9 391 14 393 1.10E-115 424.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018655 6596 402.9 UdeM00000018655 XP_045211006.1 51.2 383
 184 2 19 401 11 390 4.80E-109 402.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018656 6596 302.8 UdeM00000018656 XP_045214637.1 49.5 293
 145 2 1 293 106 395 4.90E-79 302.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018657 6596 397.1 UdeM00000018657 XP_045214637.1 50.9 373
 180 2 7 379 26 395 2.50E-107 397.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018658 6596 392.1 UdeM00000018658 XP_045211006.1 50.5 374
 182 2 4 377 20 390 7.90E-106 392.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018659 6596 414.8 UdeM00000018659 XP_045214637.1 51.7 373
 177 2 7 379 26 395 1.10E-112 414.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018660 6596 421.4 UdeM00000018660 XP_045214637.1 51.2 385
 185 2 19 403 14 395 1.30E-114 421.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018667 1735272 61.6 UdeM00000018667 XP_041355104.1 21.4
294 214 6 189 478 5 285 5.00E-06 61.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018668 1735272 68.9 UdeM00000018668 XP_041355104.1 21
271 200 4 12 272 19 285 2.30E-08 68.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018669 6596 73.9 UdeM00000018669 XP_045209248.1 20.1 463
341 12 156 602 137 586 9.20E-10 73.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018670 6596 403.7 UdeM00000018670 XP_045214637.1 49.7 382
190 1 9 390 14 393 2.70E-109 403.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018671 6596 390.6 UdeM00000018671 XP_045211006.1 48.7 382
194 1 19 400 11 390 2.40E-105 390.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018672 6596 1359.7 UdeM00000018672 XP_045177518.1 53.6
2591 910 33 1 2342 1 2549 0.00E+00 1359.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018673 1735272 379 UdeM00000018673 XP_041374422.1 41.6
846 377 18 2521 3343 938 1689 6.20E-101 379 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018674 29159 236.1 UdeM00000018674 XP_034300416.1 67.7 195
56 2 102 296 759 946 5.70E-59 236.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018675 6596 192.2 UdeM00000018675 XP_045177919.1 37.6 580
279 16 8 529 7 561 2.20E-45 192.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018676 6579 562 UdeM00000018676 XP_033741736.1 59.1 443
174 2 2 442 420 857 7.00E-157 562 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018677 6579 277.7 UdeM00000018677 XP_033741736.1 54.9 244
108 1 1 242 614 857 1.50E-71 277.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018678 6579 1265.8 UdeM00000018678 XP_033756411.1 70.6
867 254 1 1 867 69 934 0.00E+00 1265.8 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018681 29159 63.9 UdeM00000018681 XP_034300301.1 35.9 103
61 2 35 133 7 108 6.80E-07 63.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018682 6573 131 UdeM00000018682 XP_021352025.1 63.2 87
32 0 1 87 1 87 7.80E-28 131 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018683 6565 1964.9 UdeM00000018683 XP_022325329.1 48
2034 905 26 56 1958 1648 3659 0.00E+00 1964.9 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018684 6565 286.6 UdeM00000018684 XP_022325330.1 53 247
105 3 4 248 3645 3882 3.20E-74 286.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018685 6596 1253.4 UdeM00000018685 XP_045179073.1 44.3
1517 772 18 157 1656 436 1896 0.00E+00 1253.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018686 1735272 825.5 UdeM00000018686 XP_041374928.1 76.7
558 125 2 16 572 954 1507 6.30E-236 825.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018688 6579 592 UdeM00000018688 XP_033728944.1 56 611
196 11 6 553 68 668 7.60E-166 592 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018689 6596 214.5 UdeM00000018689 XP_045176664.1 29 556
336 15 25 543 13 546 3.40E-52 214.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018692 6596 122.1 UdeM00000018692 XP_045177550.1 55.6 117
51 1 1 117 1 116 4.80E-25 122.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018693 29159 659.4 UdeM00000018693 XP_034300049.1 64.6 531
178 5 1 531 1 521 4.20E-186 659.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018694 6596 672.9 UdeM00000018694 XP_045177538.1 68.5 511
151 7 1 504 1 508 3.70E-190 672.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018695 6596 383.3 UdeM00000018695 XP_045179364.1 40 518
301 8 1 514 1 512 5.00E-103 383.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018696 6596 661.8 UdeM00000018696 XP_045191450.1 71.9 417
117 0 22 438 21 437 6.20E-187 661.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018697 6596 553.9 UdeM00000018697 XP_045178492.1 62.4 407
153 0 1 407 1 407 1.70E-154 553.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018698 1735272 84 UdeM00000018698 XP_041374001.1 29.1
179 124 1 13 188 367 545 3.30E-13 84 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018699 1735272 83.6 UdeM00000018699 XP_041374001.1 30.2
205 119 7 21 214 367 558 5.00E-13 83.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000018700 6596 282.7 UdeM00000018700 XP_045216733.1 45.4 317
 157 5 129 442 209 512 8.00E-73 282.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000018702 1735272 92.4 UdeM00000018702 XP_041374001.1 32.4
 256 145 8 511 750 361 604 2.90E-15 92.4 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000018703 13397 72.8 UdeM00000018703 XP_041070135.1 38 108
 57 4 131 233 129 231 1.50E-09 72.8 13397 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Chondrichthyes; Elasmobranchi-
 i; Selachii; Galeomorphii; Galeoidea; Lamniformes; Alopiidae; Lamninae; Carcharo-
 don; Carcharodon carcharias

UdeM00000018704 6596 135.6 UdeM00000018704 XP_045181277.1 36 203
 120 5 219 414 222 421 1.50E-28 135.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000018706 6596 64.7 UdeM00000018706 XP_045179674.1 35.9 103
 63 3 47 148 434 534 2.10E-07 64.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000018707 6596 58.5 UdeM00000018707 XP_045189070.1 40.2 87
 50 2 43 128 1 86 7.10E-06 58.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000018708 6596 522.3 UdeM00000018708 XP_045177528.1 40.7 1024
 425 32 119 1005 115 1093 1.30E-144 522.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000018709 7515 90.1 UdeM00000018709 XP_026482378.1 21.7 474
 289 14 1011 1447 113 541 2.50E-14 90.1 7515 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse-
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Siphonaptera; Pulicomorpha;
 Pulicoidea; Pulicidae; Archaeopsyllinae; Ctenocephalides; Ctenocephalides
 felis

UdeM00000018711 6565 58.2 UdeM00000018711 XP_022299727.1 37.8 82
 47 2 1 80 46 125 5.80E-06 58.2 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018712 2607531 169.9 UdeM00000018712 XP_029635924.1 55.4
157 54 3 58 203 33 184 3.70E-39 169.9 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000018713 400727 1048.5 UdeM00000018713 XP_025080030.1
61.3 911 302 12 40 942 363 1230 5.10E-303 1048.5
400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000018714 400727 1048.5 UdeM00000018714 XP_025080030.1
61.3 911 302 12 39 941 363 1230 5.10E-303 1048.5
400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica
UdeM00000018715 1529436 174.5 UdeM00000018715 XP_033095325.1 41.7
211 107 1 105 299 48 258 2.30E-40 174.5 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica
UdeM00000018716 6573 679.1 UdeM00000018716 XP_021363533.1 60.7 588
209 8 1 576 579 1156 5.80E-192 679.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018717 6573 674.5 UdeM00000018717 XP_021363533.1 57.2 631
211 9 1 625 579 1156 1.50E-190 674.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018718 2607531 469.5 UdeM00000018718 XP_029635924.1 59.9
397 146 6 162 552 86 475 5.70E-129 469.5 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000018720 1735272 144.8 UdeM00000018720 XP_041374691.1 46.8
154 82 0 1 154 85 238 9.60E-32 144.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000018719 1735272 200.3 UdeM00000018719 XP_041374691.1 44.1
238 131 2 3 239 2 238 2.90E-48 200.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018721 6596 514.2 UdeM00000018721 XP_045179310.1 42.9 729
 319 23 27 678 20 728 2.50E-142 514.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018722 6596 581.6 UdeM00000018722 XP_045179013.1 76.4 415
 91 6 11 419 22 435 1.00E-162 581.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018723 6945 66.6 UdeM00000018723 XP_040065097.1 28.2 170
 88 5 59 194 85 254 6.10E-08 66.6 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000018724 6565 479.6 UdeM00000018724 XP_022320474.1 59.8 348
 137 2 64 410 59 404 4.10E-132 479.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018726 6596 314.7 UdeM00000018726 XP_045178771.1 81.6 179
 33 0 1 179 1 179 7.60E-83 314.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018727 6596 741.9 UdeM00000018727 XP_045178291.1 48.2 1094
 431 33 1 1013 113 1151 1.10E-210 741.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018728 1735272 171.4 UdeM00000018728 XP_041356145.1 53.6
 140 64 1 33 172 48 186 1.10E-39 171.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018729 114398 427.2 UdeM00000018729 XP_042903861.1 38.8
 609 362 6 1 605 1 602 3.50E-116 427.2 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum

UdeM00000018730 1735272 167.5 UdeM00000018730 XP_041374781.1 43.3
 245 116 5 35 269 97 328 2.30E-38 167.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018733 6579 85.9 UdeM00000018733 XP_033761616.1 52.7 74
 34 1 2 75 167 239 2.50E-14 85.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018735 6565 89.4 UdeM00000018735 XP_022322655.1 47.4 95
 50 0 8 102 339 433 3.00E-15 89.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018739 1735272 409.1 UdeM00000018739 XP_041374003.1 95.8
 213 9 0 1 213 1 213 3.50E-111 409.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018740 29159 849 UdeM00000018740 XP_011426045.1 68.4 602
 179 3 1 591 1 602 3.70E-243 849 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018741 6596 609.8 UdeM00000018741 XP_045179322.1 45.1 809
 339 14 22 769 16 780 4.90E-171 609.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018742 6596 1038.5 UdeM00000018742 XP_045178359.1 73.2
 657 172 3 1 656 1 654 3.60E-300 1038.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018743 6579 497.3 UdeM00000018743 XP_033728865.1 78 300
 66 0 1 300 3721 4020 1.40E-137 497.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018744 6596 6884.7 UdeM00000018744 XP_045178280.1 83.6
 4011 653 4 1 4010 1 4008 0.00E+00 6884.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018745 1735272 152.5 UdeM00000018745 XP_041374447.1 50.4
 139 69 0 6 144 5 143 4.10E-34 152.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018746 6565 264.2 UdeM00000018746 XP_022325420.1 42 283
 161 2 139 418 86 368 2.80E-67 264.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018747 6579 264.2 UdeM00000018747 XP_033742496.1 39.5 362
200 6 66 419 64 414 2.80E-67 264.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018748 6579 265.4 UdeM00000018748 XP_033742496.1 39.5 362
200 6 66 419 64 414 1.30E-67 265.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018749 37621 179.5 UdeM00000018749 XP_014677460.1 36.7 311
62 2 14 189 20 330 4.00E-42 179.5 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapulus;Priapulus caudatus
UdeM00000018751 6565 279.3 UdeM00000018751 XP_022325420.1 44.9 285
153 2 202 482 84 368 9.60E-72 279.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018752 6565 274.6 UdeM00000018752 XP_022325420.1 44 284
155 2 233 512 84 367 2.50E-70 274.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018753 6579 133.7 UdeM00000018753 XP_033742496.1 45.8 142
66 1 89 219 100 241 3.70E-28 133.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018754 6579 289.3 UdeM00000018754 XP_033742496.1 44.8 319
159 4 113 415 100 417 8.00E-75 289.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018755 6565 278.1 UdeM00000018755 XP_022325420.1 43.3 289
160 2 161 445 84 372 2.00E-71 278.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018756 29159 415.6 UdeM00000018756 XP_034331441.1 29.4 1039
604 25 97 1043 1 1001 1.80E-112 415.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018757 6596 709.1 UdeM00000018757 XP_045179358.1 83.5 406
62 3 1 401 72 477 3.10E-201 709.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018758 37621 803.9 UdeM00000018758 XP_014679849.1 61 621
 234 4 1 613 3 623 1.40E-229 803.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus

UdeM00000018759 37621 640.2 UdeM00000018759 XP_014679849.1 51.5 621
 218 5 1 538 3 623 2.40E-180 640.2 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus

UdeM00000018760 37621 724.9 UdeM00000018760 XP_014679850.1 69.9 512
 144 3 1 504 1 510 6.90E-206 724.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus

UdeM00000018761 6596 444.5 UdeM00000018761 XP_045177986.1 51 408
 191 3 19 423 3 404 1.50E-121 444.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018762 29159 355.5 UdeM00000018762 XP_011419561.2 41.7 424
 235 5 1 416 1 420 9.10E-95 355.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018763 6565 320.1 UdeM00000018763 XP_022322406.1 41.1 397
 226 3 9 404 15 404 4.20E-84 320.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018764 1735272 1504.2 UdeM00000018764 XP_041374427.1
 61.1 1303 456 12 48 1346 1787 3042 0.00E+00 1504.2
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018765 7741 287 UdeM00000018765 XP_019622111.1 51.3 275
 132 2 5 278 1 274 2.70E-74 287 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000018766 6596 184.9 UdeM00000018766 XP_045178474.1 61.2 160
 55 3 31 188 1632 1786 1.70E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018767 6596 1493 UdeM00000018767 XP_045178474.1 82.8 905
 147 4 465 1365 713 1612 0.00E+00 1493 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018768	6596	1185.2	UdeM00000018768	XP_045178474.1	86.4
691	93	1	13	703	23
					712
					0.00E+00
					1185.2
					6596
cellular					
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000018769	6573	180.3	UdeM00000018769	XP_021366307.1	96.7
3	0	1	90	1	90
					1.10E-42
					180.3
					6573
					cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis					
UdeM00000018770	6596	69.7	UdeM00000018770	XP_045178533.1	68
13	1	487	533	638	687
					1.30E-08
					69.7
					6596
					cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000018771	6596	109	UdeM00000018771	XP_045178533.1	67.8
26	2	1	87	1	85
					4.90E-20
					109
					6596
					cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000018772	6579	118.6	UdeM00000018772	XP_033729096.1	57.9
39	2	6	112	5	105
					5.10E-24
					118.6
					6579
					cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus					
UdeM00000018774	6596	458.4	UdeM00000018774	XP_045179542.1	63.8
122	2	16	359	17	359
					8.50E-126
					458.4
					6596
					cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000018776	6596	176	UdeM00000018776	XP_045179542.1	91.8
7	0	39	123	21	105
					2.90E-41
					176
					6596
					cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000018777	6596	203.8	UdeM00000018777	XP_045179542.1	49.8
101	2	2	207	155	359
					2.20E-49
					203.8
					6596
					cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000018779	6596	300.8	UdeM00000018779	XP_045179897.1	73.9
49	0	1	188	1	188
					1.20E-78
					300.8
					6596
					cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					

UdeM00000018780 6579 367.5 UdeM00000018780 XP_033728412.1 50.8 366
 172 5 1 363 1 361 2.00E-98 367.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018781 46514 112.8 UdeM00000018781 XP_038065360.1 42.5 120
 69 0 4 123 626 745 4.50E-22 112.8 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000018782 114398 137.5 UdeM00000018782 XP_042910816.1 43.8
 144 81 0 19 162 25 168 1.50E-29 137.5 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000018783 29159 115.2 UdeM00000018783 XP_011451530.1 47.2 108
 56 1 15 121 88 195 7.20E-23 115.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018784 29159 527.3 UdeM00000018784 XP_034303860.1 53.9 458
 173 3 1 422 293 748 1.80E-146 527.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018785 29159 131.3 UdeM00000018785 XP_034303860.1 43.5 200
 96 7 5 199 21 208 1.70E-27 131.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018786 6573 198.4 UdeM00000018786 XP_021359218.1 60.7 150
 55 2 1 147 445 593 6.60E-48 198.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018787 5762 99.8 UdeM00000018787 XP_002670566.1 29.4 255
 163 7 32 270 80 333 6.60E-18 99.8 5762 cellular
 organisms;Eukaryota;Discoba;Heterolobosea;Tetramitida;Eutetramitida;Vahlkam
 pfiidae;Naegleria;Naegleria gruberi
 UdeM00000018788 6596 403.3 UdeM00000018788 XP_045216525.1 41.1 604
 315 22 110 701 110 684 6.70E-109 403.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018789 6596 458.4 UdeM00000018789 XP_045216525.1 42.4 651
 330 21 119 747 60 687 1.80E-125 458.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018790 6596 471.5 UdeM00000018790 XP_045216525.1 42.6 707
 357 25 26 708 6 687 2.00E-129 471.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018791 6596 424.5 UdeM00000018791 XP_045216525.1 42.5 643
 319 27 62 687 72 680 2.80E-115 424.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018792 6596 437.2 UdeM00000018792 XP_045216525.1 42 643
 322 26 61 686 72 680 4.10E-119 437.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044341 77166 68.6 UdeM00000044341 XP_019769193.1 46.6 73
 31 1 2 74 190 254 4.90E-09 68.6 77166 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Curculionoidea;Curculionidae;Scolytinae;Dendroctonus;Dendroctonu
 s ponderosae
 UdeM00000044342 37621 142.9 UdeM00000044342 XP_014679100.1 37.9 232
 130 8 768 994 78 300 2.20E-30 142.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000042523 6596 637.5 UdeM00000042523 XP_045171884.1 55 729
 249 15 2 670 11 720 1.90E-179 637.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042525 6579 238.8 UdeM00000042525 XP_033743128.1 35.5 422
 258 4 4 412 7 427 1.20E-59 238.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042526 6596 172.9 UdeM00000042526 XP_045165713.1 41.5 212
 123 1 16 226 4 215 4.70E-40 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042527 6596 82 UdeM00000042527 XP_045182758.1 29.2 250
 155 8 2 237 137 378 1.10E-12 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042528 6579 232.3 UdeM00000042528 XP_033743128.1 35 397
 235 2 5 387 29 416 1.10E-57 232.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042529 6596 60.1 UdeM00000042529 XP_045165062.1 37.3 75
 47 0 21 95 287 361 2.00E-06 60.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042530 6573 160.2 UdeM00000042530 XP_021372444.1 35.3 235
 152 0 14 248 20 254 4.50E-36 160.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042531 6579 226.5 UdeM00000042531 XP_033743128.1 34.7 401
 256 2 1 396 17 416 6.10E-56 226.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042532 6565 95.9 UdeM00000042532 XP_022315793.1 50.5 99
 47 1 8 104 2 100 3.30E-17 95.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042533 6565 96.3 UdeM00000042533 XP_022315793.1 50.5 99
 47 1 4 100 2 100 2.40E-17 96.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042534 6596 107.8 UdeM00000042534 XP_045187622.1 29.9 281
 153 7 1 257 132 392 2.10E-20 107.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042535 6596 131.3 UdeM00000042535 XP_045165713.1 42.9 156
 86 1 7 162 3 155 1.20E-27 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042536 6573 92.8 UdeM00000042536 XP_021372444.1 60.3 73
 29 0 103 175 339 411 4.60E-16 92.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042538 6579 176.8 UdeM00000042538 XP_033743128.1 32.3 387
 225 2 20 371 33 417 5.30E-41 176.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042539 6596 222.6 UdeM00000042539 XP_045165713.1 34.4 398
 227 5 18 398 7 387 8.90E-55 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042540 6579 91.7 UdeM00000042540 XP_033743128.1 46.7 105
 55 1 94 198 324 427 1.20E-15 91.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042542 6579 120.9 UdeM00000042542 XP_033743128.1 34.3 268
 162 4 1 255 154 420 2.60E-24 120.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042543 6596 166.8 UdeM00000042543 XP_045187622.1 31.6 348
 216 5 15 348 8 347 5.10E-38 166.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042548 6579 162.5 UdeM00000042548 XP_033743128.1 36.4 220
 140 0 14 233 29 248 7.50E-37 162.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042550 6579 65.5 UdeM00000042550 XP_033743128.1 40 75
 45 0 3 77 166 240 7.70E-08 65.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042551 6579 220.7 UdeM00000042551 XP_033743128.1 33.7 395
 243 2 14 396 29 416 3.30E-54 220.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042552 6596 177.6 UdeM00000042552 XP_045165713.1 31.9 354
 207 6 1 337 62 398 2.70E-41 177.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042553 6596 207.6 UdeM00000042553 XP_045165713.1 33.3 405
 223 4 15 393 3 386 3.00E-50 207.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042554 6579 225.7 UdeM00000042554 XP_033743128.1 36.3 408
 240 6 2 392 12 416 1.00E-55 225.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042555 6579 217.2 UdeM00000042555 XP_033743128.1 35.4 407
 248 5 2 395 12 416 3.70E-53 217.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042556 6596 1030.4 UdeM00000042556 XP_045171157.1 48.6
 1168 255 8 1 1166 28 852 1.90E-297 1030.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042557 6596 1035 UdeM00000042557 XP_045171157.1 48.7 1167
 255 7 1 1165 28 852 7.90E-299 1035 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042558 6596 310.1 UdeM00000042558 XP_045171553.1 29 1053
 630 26 12 1002 88 1084 1.10E-80 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042559 6596 300.4 UdeM00000042559 XP_045171692.1 50.9 273
 133 1 1 273 1 272 2.90E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042560 6565 634.4 UdeM00000042560 XP_022339184.1 80.2 388
 77 0 26 413 28 415 1.00E-178 634.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042561 29159 399.1 UdeM00000042561 XP_011455039.2 40.8 493
 276 8 1 486 41 524 8.50E-108 399.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042562 6573 407.1 UdeM00000042562 XP_021340121.1 51.1 378
 180 3 73 446 326 702 2.90E-110 407.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042563 6573 386.7 UdeM00000042563 XP_021363050.1 48.5 379
 188 4 71 444 322 698 4.00E-104 386.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042564 29159 165.6 UdeM00000042564 XP_011435143.2 33.7 270
 168 4 2 264 117 382 8.60E-38 165.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042566 6596 148.7 UdeM00000042566 XP_045202146.1 44.9 147
79 1 63 209 76 220 8.50E-33 148.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042565 6596 140.2 UdeM00000042565 XP_045202146.1 46.3 134
70 1 63 196 76 207 2.90E-30 140.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042567 6579 231.9 UdeM00000042567 XP_033751112.1 39.9 301
158 3 74 354 67 364 1.30E-57 231.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042568 6526 173.3 UdeM00000042568 XP_013073210.1 35.9 256
161 3 57 312 105 357 4.90E-40 173.3 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000042571 6596 295.8 UdeM00000042571 XP_045172292.1 52.2 270
124 1 20 289 10 274 5.90E-77 295.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042572 6596 131.3 UdeM00000042572 XP_045172978.1 74.7 79
20 0 46 124 179 257 8.60E-28 131.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042573 6596 726.9 UdeM00000042573 XP_045172978.1 55.4 673
269 13 46 710 179 828 2.60E-206 726.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042576 6579 419.9 UdeM00000042576 XP_033748360.1 57 388
147 6 39 426 111 478 4.00E-114 419.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026946 7574 150.6 UdeM00000026946 XP_013396733.1 40.4 228
133 3 74 299 22 248 3.20E-33 150.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000026947 29159 919.1 UdeM00000026947 XP_034302988.1 70.8 612
 175 1 40 651 65 672 3.40E-264 919.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026948 6565 236.5 UdeM00000026948 XP_022321940.1 24.8 674
 471 14 12 661 16 677 9.90E-59 236.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026949 6596 133.7 UdeM00000026949 XP_045206389.1 51.2 127
 51 4 12 131 161 283 1.90E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026950 6596 969.1 UdeM00000026950 XP_045206940.1 57.9 907
 258 19 37 869 1 857 3.70E-279 969.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026951 6596 979.5 UdeM00000026951 XP_045206940.1 58.9 892
 258 18 37 854 1 857 2.70E-282 979.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026952 6850 77.8 UdeM00000026952 XP_013783731.1 32.9 146
 91 2 5 150 846 984 1.30E-11 77.8 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000026953 6596 368.6 UdeM00000026953 XP_045206584.1 63.5 274
 97 2 1 272 1 273 6.80E-99 368.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026954 6565 471.9 UdeM00000026954 XP_022320194.1 55.5 476
 196 6 1 476 1 460 1.70E-129 471.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026955 6596 485.7 UdeM00000026955 XP_045206044.1 44.3 628
 284 9 127 749 932 1498 1.10E-133 485.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026956 6565 646 UdeM00000026956 XP_022325799.1 76.2 491
 111 4 7 495 356 842 4.10E-182 646 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000026957 6596 302.8 UdeM00000026957 XP_045206044.1 48.4 395
141 13 12 367 8 378 6.20E-79 302.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000026958 29159 103.2 UdeM00000026958 XP_034300565.1 55.6 99
43 1 14 112 468 565 1.30E-18 103.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000026959 400727 504.2 UdeM00000026959 XP_025113774.1 71.9
363 98 3 7 368 214 573 1.40E-139 504.2 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000026960 6596 354.8 UdeM00000026960 XP_045201815.1 34.5 730
428 18 68 769 76 783 3.00E-94 354.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000026961 6596 339.3 UdeM00000026961 XP_045201815.1 33.4 718
427 16 17 703 18 715 1.20E-89 339.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000026962 6596 332 UdeM00000026962 XP_045201815.1 31.8 824
486 19 11 798 9 792 2.10E-87 332 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000026963 6596 1325.1 UdeM00000026963 XP_045203422.1 72
1005 238 12 1 994 32 1004 0.00E+00 1325.1 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000026964 6579 272.3 UdeM00000026964 XP_033730189.1 48.3 294
104 5 1 251 1 289 6.30E-70 272.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000026965 6579 434.5 UdeM00000026965 XP_033730189.1 54.1 399
135 5 1 356 1 394 1.80E-118 434.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000026966 6596 123.6 UdeM00000026966 XP_045194560.1 39 136
 72 1 102 237 21 145 3.30E-25 123.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026967 6596 136.7 UdeM00000026967 XP_045194557.1 43 165
 75 4 999 1152 746 902 1.80E-28 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026968 6596 136.7 UdeM00000026968 XP_045194557.1 43 165
 75 4 1001 1154 746 902 1.80E-28 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026969 6565 148.3 UdeM00000026969 XP_022302274.1 47.9 146
 74 2 154 299 159 302 1.60E-32 148.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026970 6596 817.8 UdeM00000026970 XP_045194546.1 66.6 580
 193 1 1 580 26 604 9.50E-234 817.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026971 6596 639.4 UdeM00000026971 XP_045164241.1 69.3 436
 134 0 4 439 2 437 3.30E-180 639.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026972 225164 660.2 UdeM00000026972 XP_009065481.1 55.9
 590 257 1 3 592 426 1012 2.40E-186 660.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000026973 1735272 1181.8 UdeM00000026973 XP_041369326.1
 57.5 1011 427 2 7 1015 6 1015 0.00E+00 1181.8
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026974 6596 912.5 UdeM00000026974 XP_045164241.1 61.1 712
 257 2 8 714 6 702 3.40E-262 912.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026975 6596 325.9 UdeM00000026975 XP_045186701.1 56.1 289
 127 0 1 289 213 501 5.30E-86 325.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026977 6596 198.4 UdeM00000026977 XP_045187823.1 45.3 192
 103 2 1 192 1 190 1.20E-47 198.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026976 6596 276.9 UdeM00000026976 XP_045187823.1 39.1 419
 237 7 1 403 1 417 4.00E-71 276.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026978 6596 610.1 UdeM00000026978 XP_045199866.1 70.9 381
 106 2 2 377 36 416 1.90E-171 610.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026979 6596 2640.9 UdeM00000026979 XP_045199866.1 58.3
 2093 773 10 3 2089 404 2402 0.00E+00 2640.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026980 1735272 130.6 UdeM00000026980 XP_041369835.1 46.5
 142 69 4 4 141 9 147 1.70E-27 130.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026981 6596 658.7 UdeM00000026981 XP_045209562.1 68.6 439
 136 1 21 457 90 528 5.70E-186 658.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026982 225164 267.3 UdeM00000026982 XP_009050560.1 86.4
 147 20 0 1 147 1 147 1.20E-68 267.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000026983 6596 430.6 UdeM00000026983 XP_045198983.1 52.1 455
 190 8 2 444 9 447 2.40E-117 430.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026984 29159 75.9 UdeM00000026984 XP_011457094.1 35.1 131
 80 2 4 133 2 128 5.70E-11 75.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026985 1735272 492.3 UdeM00000026985 XP_041369682.1 53.8
 450 186 8 16 454 296 734 6.80E-136 492.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026986 6596 284.6 UdeM00000026986 XP_045162844.1 50.2 263
 129 1 11 273 44 304 1.40E-73 284.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026987 29159 94.4 UdeM00000026987 XP_011422012.2 39.4 142
 70 5 6 141 5 136 1.30E-16 94.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026988 29159 90.1 UdeM00000026988 XP_034300135.1 43.3 120
 62 4 24 141 21 136 2.40E-15 90.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026989 29159 110.5 UdeM00000026989 XP_034315424.1 31.6 253
 151 6 43 284 73 314 6.00E-21 110.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026991 50390 183 UdeM00000026991 XP_028127913.1 42.9 217
 123 1 1 217 1 216 4.30E-43 183 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000026992 50390 149.1 UdeM00000026992 XP_028127913.1 43.9 164
 91 1 1 164 1 163 5.30E-33 149.1 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000026993 50390 161.4 UdeM00000026993 XP_028127913.1 42.9 191
 106 2 1 189 1 190 1.10E-36 161.4 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000026995 1735272 220.7 UdeM00000026995 XP_041369281.1 54.5
191 86 1 1 191 82 271 1.60E-54 220.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026994 1735272 234.6 UdeM00000026994 XP_041369281.1 54.1
218 95 3 78 295 59 271 1.70E-58 234.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026996 6573 170.6 UdeM00000026996 XP_021355484.1 64.7 119
42 0 83 201 106 224 2.00E-39 170.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026997 6573 181 UdeM00000026997 XP_021355484.1 50 226
80 7 1 195 1 224 1.40E-42 181 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026999 6579 551.6 UdeM00000026999 XP_033732865.1 50.9 603
263 12 9 597 35 618 1.50E-153 551.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027000 6596 337.8 UdeM00000027000 XP_045203827.1 54.8 305
137 1 7 311 8 311 1.50E-89 337.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027001 1735272 85.1 UdeM00000027001 XP_041362151.1 38.1
113 69 1 9 120 563 675 7.20E-14 85.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027002 6579 58.5 UdeM00000027002 XP_033761495.1 61.4 44
17 0 36 79 24 67 4.40E-06 58.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027003 6596 377.5 UdeM00000027003 XP_045203827.1 57.7 310
131 0 3 312 4 313 1.70E-101 377.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027004 6596 500.7 UdeM00000027004 XP_045164893.1 66.3 365
 122 1 4 368 3 366 1.50E-138 500.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027005 6596 105.5 UdeM00000027005 XP_045208672.1 36.6 134
 81 4 160 292 22 152 1.20E-19 105.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027006 6596 105.1 UdeM00000027006 XP_045208672.1 36.6 134
 81 4 223 355 22 152 1.80E-19 105.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027008 6500 213.4 UdeM00000027008 XP_012939160.1 59.4 180
 47 2 19 173 4 182 5.50E-52 213.4 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000027013 6596 105.5 UdeM00000027013 XP_045208672.1 36.6 134
 81 4 160 292 22 152 1.20E-19 105.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027012 6596 105.5 UdeM00000027012 XP_045208672.1 36.6 134
 81 4 166 298 22 152 1.20E-19 105.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027014 218467 78.2 UdeM00000027014 XP_023220707.1 22.8
 364 215 14 13 356 92 409 2.40E-11 78.2 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000027015 6596 119.4 UdeM00000027015 XP_045157325.1 27.6 344
 199 15 148 484 2286 2586 1.50E-23 119.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027016 8236 62.4 UdeM00000027016 XP_044217658.1 26.2 168
 100 7 56 218 200 348 8.60E-07 62.4 8236 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorpha;Percomorphaceae;Pelagiaria;Scombriformes;Scombridae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000027017 6596 100.1 UdeM00000027017 XP_045192613.1 26.8 366
220 18 7 349 992 1332 5.90E-18 100.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027018 37653 255 UdeM00000027018 XP_014773075.1 22.2 1915
1096 90 235 2045 1622 3247 8.40E-64 255 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000027019 6596 187.2 UdeM00000027019 XP_045210928.1 63.2 144
53 0 1 144 4 147 2.00E-44 187.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027020 6596 226.5 UdeM00000027020 XP_045189940.1 63.4 175
61 2 1 173 1 174 2.60E-56 226.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027021 6573 343.2 UdeM00000027021 XP_021376136.1 44.1 476
211 15 1 435 1 462 4.90E-91 343.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027022 6596 600.1 UdeM00000027022 XP_045204483.1 52.3 623
255 9 1 583 1 621 2.90E-168 600.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027023 6565 583.2 UdeM00000027023 XP_022321940.1 43.5 671
370 5 10 672 13 682 4.30E-163 583.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027024 6596 130.2 UdeM00000027024 XP_045211321.1 55.3 103
46 0 3 105 66 168 1.60E-27 130.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027025 6573 107.8 UdeM00000027025 XP_021370619.1 44.1 118
66 0 10 127 9 126 1.20E-20 107.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027026 6596 211.8 UdeM00000027026 XP_045211321.1 57.1 168
70 2 1 166 1 168 6.60E-52 211.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027027 1735272 195.3 UdeM00000027027 XP_041371017.1 60
155 59 1 20 174 27 178 6.60E-47 195.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027028 6573 134.8 UdeM00000027028 XP_021360339.1 46.8 156
75 3 9 157 4 158 1.10E-28 134.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027030 6596 88.6 UdeM00000027030 XP_045194463.1 31.8 151
90 3 1 138 115 265 6.90E-15 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027031 6596 372.1 UdeM00000027031 XP_045196406.1 66.9 260
84 2 1 259 32 290 6.10E-100 372.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027033 6596 372.1 UdeM00000027033 XP_045196406.1 66.9 260
84 2 1 259 32 290 6.00E-100 372.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027035 225164 288.5 UdeM00000027035 XP_009067154.1 63.4
205 73 2 1 204 81 284 6.80E-75 288.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000027036 6596 210.3 UdeM00000027036 XP_045196406.1 66.4 137
46 0 1 137 32 168 1.60E-51 210.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027037 225164 147.5 UdeM00000027037 XP_009067154.1 65.3
101 34 1 17 117 154 253 1.20E-32 147.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000027038 6596 387.5 UdeM00000027038 XP_045196300.1 62.9 267
98 1 193 458 6 272 2.40E-104 387.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027039 27687 377.5 UdeM00000027039 XP_028657207.1 40.6 545
270 11 4 508 194 724 2.70E-101 377.5 27687 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoichthys calabaricus

UdeM00000027040 6596 315.1 UdeM00000027040 XP_045210908.1 71 200
58 0 20 219 36 235 1.10E-82 315.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027041 6596 388.3 UdeM00000027041 XP_045163613.1 52.6 346
155 6 1 338 1 345 1.00E-104 388.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027042 6596 387.5 UdeM00000027042 XP_045196300.1 59.9 284
113 1 8 290 6 289 1.50E-104 387.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027043 6596 236.5 UdeM00000027043 XP_045201450.1 57.1 226
93 3 1 225 1 223 3.40E-59 236.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027044 6596 538.1 UdeM00000027044 XP_045201406.1 49.3 574
291 0 15 588 17 590 1.40E-149 538.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027045 6579 119 UdeM00000027045 XP_033729601.1 68.4 114
36 0 1 114 1 114 4.00E-24 119 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027046 45264 238.4 UdeM00000027046 XP_044165535.1 47.2 231
118 1 1 227 294 524 1.00E-59 238.4 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000027047 6573 167.5 UdeM00000027047 XP_021376971.1 29.3 533
320 17 3 507 402 905 4.30E-38 167.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041302 7998 246.5 UdeM00000041302 XP_017334791.1 68.5 162
 51 0 1 162 62 223 2.30E-62 246.5 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus

UdeM00000041303 6579 218 UdeM00000041303 XP_033732173.1 64.8 159
 51 5 1 156 1 157 8.60E-54 218 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041304 29159 229.6 UdeM00000041304 XP_011429223.2 59.2 211
 81 3 1 210 153 359 3.80E-57 229.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041305 29159 418.7 UdeM00000041305 XP_011429223.2 60 360
 139 3 6 364 4 359 7.60E-114 418.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041306 6565 139.4 UdeM00000041306 XP_022305948.1 65.6 90
 31 0 1 90 103 192 2.20E-30 139.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041307 6573 303.1 UdeM00000041307 XP_021345141.1 87 177
 23 0 1 177 1 177 2.30E-79 303.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041308 6596 67.4 UdeM00000041308 XP_045211374.1 36.7 98
 60 2 2 98 33 129 1.30E-08 67.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041309 29159 368.6 UdeM00000041309 XP_019925641.2 57.1 352
 141 3 44 390 33 379 1.20E-98 368.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041310 6596 68.9 UdeM00000041310 XP_045210055.1 50 88
 38 3 2 84 21 107 4.00E-08 68.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041311 6596 109.4 UdeM00000041311 XP_045198590.1 34.4 209
 123 7 265 466 431 632 1.30E-20 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041312 260615 159.5 UdeM00000041312 XP_039342393.1 67.4
144 21 2 5 122 382 525 2.80E-36 159.5 260615
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000041313 260615 130.6 UdeM00000041313 XP_039342393.1 64.2
123 18 2 1 97 403 525 1.10E-27 130.6 260615
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000041314 6573 396 UdeM00000041314 XP_021347801.1 69.8 404
109 6 1 400 1 395 2.10E-106 396 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041315 6596 146.7 UdeM00000041315 XP_045192805.1 32.2 264
177 2 37 298 59 322 4.80E-32 146.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041316 29159 256.5 UdeM00000041316 XP_034316161.1 43.6 291
163 1 1 290 718 1008 4.00E-65 256.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041319 1437191 144.4 UdeM00000041319 XP_029054816.1 43.2
162 89 2 1 159 302 463 1.30E-31 144.4 1437191
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia bicornis;Osmia bicornis bicornis

UdeM00000041320 1415580 143.7 UdeM00000041320 XP_030075314.1 46.4
153 81 1 1 153 1 152 2.00E-31 143.7 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000041321 1415580 504.6 UdeM00000041321 XP_030075314.1 54.3
479 200 4 1 476 163 625 1.40E-139 504.6 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc

opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000041322 6596 152.1 UdeM00000041322 XP_045158316.1 48.3 145
 66 6 40 182 177 314 6.70E-34 152.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041325 6565 1407.9 UdeM00000041325 XP_022329293.1 71.6
 1117 291 8 1 1104 1 1104 0.00E+00 1407.9 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041327 6596 90.9 UdeM00000041327 XP_045208010.1 70.4 81
 18 2 1 80 1 76 8.50E-16 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041326 6573 282.3 UdeM00000041326 XP_021341993.1 76.2 214
 45 2 1 212 1 210 5.00E-73 282.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041328 29159 196.4 UdeM00000041328 XP_011450032.1 64.3 171
 60 1 113 282 38 208 4.80E-47 196.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041329 6596 1008.1 UdeM00000041329 XP_045209793.1 52.5
 1060 487 8 2 1049 245 1299 1.60E-290 1008.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041332 6596 138.7 UdeM00000041332 XP_045209793.1 49.5 111
 56 0 2 112 1188 1298 7.90E-30 138.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041333 6596 104.4 UdeM00000041333 XP_045209793.1 54.5 77
 35 0 2 78 1188 1264 8.90E-20 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041334 6596 870.2 UdeM00000041334 XP_045209793.1 42 1149
 547 14 26 1058 34 1179 2.80E-249 870.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041335	6596	1056.6	UdeM00000041335	XP_045209793.1	45.2
1285	636	14	79	1322	40
				1297	2.60E-305
					1056.6
					6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041336	6596	305.1	UdeM00000041336	XP_045208580.1	53.3	291
136	0	11	301	8	298	1.10E-79
						305.1
						6596
						cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041337	6596	316.6	UdeM00000041337	XP_045208580.1	55.8	285
125	1	68	352	3	286	4.10E-83
						316.6
						6596
						cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041338	6596	220.7	UdeM00000041338	XP_045193084.1	31.1	441
277	9	241	666	28	456	5.60E-54
						220.7
						6596
						cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041339	29159	214.5	UdeM00000041339	XP_034312908.1	28.2	649
342	20	9	564	6	623	3.40E-52
						214.5
						29159
						cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041340	29159	73.9	UdeM00000041340	XP_034307878.1	32.3	99
67	0	1	99	92	190	3.70E-10
						73.9
						29159
						cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041343	7574	104.8	UdeM00000041343	XP_013418747.1	34	153
90	2	227	372	42	190	2.50E-19
						104.8
						7574
						cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000041345	7604	303.5	UdeM00000041345	XP_033633146.1	41	390
212	3	262	633	29	418	8.30E-79
						303.5
						7604
						cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
atida;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000041346	400727	92.8	UdeM00000041346	XP_025078952.1	24.1	
493	340	13	40	512	66	
				544	1.40E-15	
						92.8
						400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000041347 400727 92 UdeM00000041347 XP_025078952.1 25.1
 434 293 12 52 467 125 544 2.10E-15 92 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglo
 ssa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000041349 6596 357.1 UdeM00000041349 XP_045201596.1 39.2 546
 300 9 4 533 8 537 4.00E-95 357.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041350 6596 330.1 UdeM00000041350 XP_045200182.1 64.1 231
 83 0 1 231 16 246 2.40E-87 330.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041351 6596 1094.7 UdeM00000041351 XP_045200187.1 64.5
 857 271 9 6 839 7 853 0.00E+00 1094.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041352 6596 172.9 UdeM00000041352 XP_045200185.1 62.2 156
 51 4 1 155 733 881 3.10E-40 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041353 6573 133.3 UdeM00000041353 XP_021356128.1 79.1 86
 16 2 95 178 349 434 6.10E-28 133.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041354 105023 261.9 UdeM00000041354 XP_015828284.1 35.8
 430 251 8 15 428 142 562 1.50E-66 261.9 105023
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc
 hius furzeri
 UdeM00000041355 6565 250 UdeM00000041355 XP_022286673.1 58.5 234
 75 7 1 225 1 221 3.10E-63 250 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041356 6596 594 UdeM00000041356 XP_045200058.1 65.2 494
 122 11 1 474 1 464 1.90E-166 594 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041358 6573 175.3 UdeM00000041358 XP_021376567.1 93.3 89
6 0 1 89 476 564 4.20E-41 175.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041359 6565 316.6 UdeM00000041359 XP_022286087.1 48.7 427
190 8 1 423 557 958 4.70E-83 316.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041360 6573 140.6 UdeM00000041360 XP_021340634.1 47.1 170
74 3 4 157 2 171 1.70E-30 140.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041361 6596 682.9 UdeM00000041361 XP_045201737.1 80.4 387
62 2 6 378 10 396 2.20E-193 682.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041362 6573 261.9 UdeM00000041362 XP_021365720.1 47.2 248
129 1 36 281 25 272 9.60E-67 261.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041363 6596 570.1 UdeM00000041363 XP_045199403.1 61.7 515
156 7 12 493 111 617 2.80E-159 570.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041364 2607531 409.5 UdeM00000041364 XP_029648101.2 66.7
309 93 3 35 341 7 307 5.00E-111 409.5 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000041365 6596 1860.5 UdeM00000041365 XP_045201270.1 67.6
1417 425 13 88 1488 91 1489 0.00E+00 1860.5 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041366 7654 904.8 UdeM00000041366 XP_041454726.1 99.3 446
3 0 1 446 1 446 4.30E-260 904.8 7654 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus

UdeM00000041367 7668 906 UdeM00000041367 XP_030840691.1 99.1 447
 4 0 1 447 1 447 1.90E-260 906 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000041368 400727 905.6 UdeM00000041368 XP_025114802.1 99.3
 445 3 0 1 445 1 445 2.50E-260 905.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000041369 7654 904.4 UdeM00000041369 XP_041454726.1 99.3 446
 3 0 1 446 1 446 5.60E-260 904.4 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000041370 7654 904.4 UdeM00000041370 XP_041454726.1 99.3 446
 3 0 1 446 1 446 5.60E-260 904.4 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000041371 6579 199.9 UdeM00000041371 XP_033761077.1 42.1 311
 144 6 135 425 73 367 6.50E-48 199.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041374 33528 169.1 UdeM00000041374 XP_043972167.1 52.9 157
 69 1 1 152 1 157 4.60E-39 169.1 33528 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Gambusia;Gambusi
 a affinis
 UdeM00000041373 6596 482.3 UdeM00000041373 XP_045184035.1 48.3 476
 233 4 1 464 1 475 7.20E-133 482.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041375 6596 278.1 UdeM00000041375 XP_045184035.1 50.6 253
 120 2 2 250 224 475 1.10E-71 278.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041376 6579 136.7 UdeM00000041376 XP_033761231.1 54.2 107
 48 1 14 119 515 621 2.00E-29 136.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041377 6596 720.3 UdeM00000041377 XP_045201172.1 65.4 503
 170 3 11 513 13 511 1.70E-204 720.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041378 8090 235 UdeM00000041378 XP_023809151.1 42.6 345
 160 10 50 377 15 338 1.60E-58 235 8090 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
 oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
 latipes
 UdeM00000041379 1735272 201.1 UdeM00000041379 XP_041359434.1 89.7
 136 10 1 1 132 1 136 9.10E-49 201.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041380 6596 1053.1 UdeM00000041380 XP_045201777.1 36.5
 1816 989 43 468 2161 1 1773 4.70E-304 1053.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041382 6596 862.8 UdeM00000041382 XP_045202682.1 37 1386
 791 22 6 1366 238 1566 5.70E-247 862.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041383 6573 885.9 UdeM00000041383 XP_021377155.1 64.8 648
 226 2 1 648 1 646 3.00E-254 885.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041384 6565 134.4 UdeM00000041384 XP_022344344.1 34.7 219
 130 8 642 856 159 368 6.80E-28 134.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041385 6579 788.5 UdeM00000041385 XP_033759707.1 80.4 759
 126 4 4 759 39 777 7.60E-225 788.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041386 6596 1294.6 UdeM00000041386 XP_045201515.1 82.4
 888 153 1 1 885 1 888 0.00E+00 1294.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041387 6579 85.1 UdeM00000041387 XP_033759354.1 32.8 122
 72 1 10 131 7 118 1.60E-13 85.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041388 6596 291.6 UdeM00000041388 XP_045199971.1 59.1 237
 97 0 1 237 1 237 9.30E-76 291.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041389 6579 419.5 UdeM00000041389 XP_033760370.1 67.2 290
 90 2 1 285 78 367 3.50E-114 419.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041390 6596 154.5 UdeM00000041390 XP_045195108.1 48.8 160
 76 2 1 155 231 389 3.20E-34 154.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041392 6596 547.4 UdeM00000041392 XP_045200407.1 68 394
 125 1 1 394 2221 2613 1.50E-152 547.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041393 6596 1749.2 UdeM00000041393 XP_045200407.1 61.7
 1472 475 11 1 1395 754 2213 0.00E+00 1749.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041394 6579 272.3 UdeM00000041394 XP_033730119.1 66.3 190
 63 1 1 189 471 660 4.60E-70 272.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041395 114398 432.2 UdeM00000041395 XP_042903861.1 39
 605 358 6 5 605 5 602 1.10E-117 432.2 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000041396 6596 767.3 UdeM00000041396 XP_045200407.1 73 519
 131 1 3 512 4 522 1.20E-218 767.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041397 6596 79.7 UdeM00000041397 XP_045199380.1 46.6 88
 46 1 29 115 1108 1195 2.70E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041398 6596 74.7 UdeM00000041398 XP_045199380.1 39.5 124
 73 2 18 139 1072 1195 1.00E-10 74.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041399 6596 74.7 UdeM00000041399 XP_045199380.1 39.5 124
 73 2 18 139 1072 1195 1.00E-10 74.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041400 6596 74.7 UdeM00000041400 XP_045199380.1 39.5 124
 73 2 18 139 1072 1195 1.00E-10 74.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041401 29159 274.6 UdeM00000041401 XP_011438294.2 59.9 207
 82 1 1 206 1 207 1.20E-69 274.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041403 6573 209.1 UdeM00000041403 XP_021340400.1 44.2 231
 123 3 1 231 493 717 6.80E-51 209.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041405 6579 283.9 UdeM00000041405 XP_033759954.1 39.8 405
 230 7 2 400 77 473 3.40E-73 283.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041407 6573 600.5 UdeM00000041407 XP_021340400.1 38.2 814
 477 13 34 837 35 832 3.60E-168 600.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041408 6573 600.5 UdeM00000041408 XP_021340400.1 38.2 814
 477 13 34 837 35 832 3.60E-168 600.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041409 6573 608.2 UdeM00000041409 XP_021340400.1 38.6 819
 470 15 34 840 35 832 1.70E-170 608.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041410 6573 325.9 UdeM00000041410 XP_021376733.1 40.9 484
 266 11 1 475 466 938 1.10E-85 325.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041411 6573 149.4 UdeM00000041411 XP_021340400.1 34.5 275
 155 8 36 301 41 299 7.10E-33 149.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041412 6573 557.8 UdeM00000041412 XP_021340400.1 38.7 856
 448 21 30 837 36 862 3.00E-155 557.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041413 6573 614.8 UdeM00000041413 XP_021340400.1 40.8 856
 466 20 30 873 36 862 2.10E-172 614.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041414 6573 320.9 UdeM00000041414 XP_021376735.1 43 395
 194 8 18 396 553 932 4.30E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041415 6573 371.3 UdeM00000041415 XP_021340400.1 38.2 568
 319 13 14 568 14 562 2.20E-99 371.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041416 6596 145.6 UdeM00000041416 XP_045201682.1 68.4 98
 27 1 12 105 4 101 3.80E-32 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041417 6596 145.6 UdeM00000041417 XP_045201682.1 68.4 98
 27 1 11 104 4 101 3.80E-32 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041418 45264 85.9 UdeM00000041418 XP_044167111.1 57.9 57
 24 0 5 61 6 62 3.70E-14 85.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000041419 6573 1049.3 UdeM00000041419 XP_021351493.1 56.4
 1060 375 22 1 1030 164 1166 3.20E-303 1049.3 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000041420 29159 723.8 UdeM00000041420 XP_011422754.3 55.9 637
152 4 1 632 70 582 1.90E-205 723.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000041421 6596 209.1 UdeM00000041421 XP_045201068.1 42.6 272
133 9 1 262 1 259 6.60E-51 209.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000041422 6565 134.4 UdeM00000041422 XP_022299727.1 31 248
128 4 1 207 460 705 1.60E-28 134.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000041423 6579 157.5 UdeM00000041423 XP_033726657.1 57.8 128
53 1 1 127 270 397 1.10E-35 157.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000041424 6565 142.1 UdeM00000041424 XP_022299727.1 44.9 147
81 0 1 147 106 252 5.60E-31 142.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000041425 6596 283.9 UdeM00000041425 XP_045200285.1 28 703
441 16 5 657 19 706 5.50E-73 283.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000041426 6565 112.8 UdeM00000041426 XP_022328252.1 37.9 211
78 5 1 158 1105 1315 3.90E-22 112.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000041427 6596 174.5 UdeM00000041427 XP_045200267.1 38 274
149 7 7 277 445 700 2.00E-40 174.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000041428 6596 223.8 UdeM00000041428 XP_045200267.1 36.4 341
202 7 2 334 15 348 3.40E-55 223.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000041429 6596 406 UdeM00000041429 XP_045200267.1 35.5 713
416 17 2 697 15 700 9.90E-110 406 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041430 7654 154.8 UdeM00000041430 XP_041463467.1 34.4 308
137 8 21 265 137 442 1.60E-34 154.8 7654 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus

UdeM00000041431 50429 76.3 UdeM00000041431 XP_022790680.1 47.2 72
37 1 3 74 40 110 4.30E-11 76.3 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000041432 6596 378.6 UdeM00000041432 XP_045200267.1 34 711
424 18 9 701 22 705 1.70E-101 378.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041433 6596 291.6 UdeM00000041433 XP_045200285.1 28.8 715
435 21 9 675 19 707 2.70E-75 291.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041434 6596 77.4 UdeM00000041434 XP_045200280.1 31.9 138
90 3 7 143 539 673 1.90E-11 77.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041435 6596 376.7 UdeM00000041435 XP_045200267.1 33.9 711
425 18 9 701 22 705 6.40E-101 376.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041436 6596 289.7 UdeM00000041436 XP_045200285.1 28.6 717
436 21 9 677 19 707 1.00E-74 289.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041437 6596 77.4 UdeM00000041437 XP_045200280.1 31.9 138
90 3 7 143 539 673 1.90E-11 77.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041438 6596 375.9 UdeM00000041438 XP_045200267.1 33.3 709
432 17 9 701 22 705 1.10E-100 375.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041440 6596 295 UdeM00000041440 XP_045200285.1 27.7 725
436 20 9 681 19 707 2.50E-76 295 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041441 6596 379.8 UdeM00000041441 XP_045200267.1 35 703
410 18 9 690 24 700 7.50E-102 379.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041442 6596 386.7 UdeM00000041442 XP_045200267.1 34.9 702
412 18 9 690 24 700 6.20E-104 386.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041444 6596 498.4 UdeM00000041444 XP_045199728.1 63.1 366
134 1 225 590 49 413 1.30E-137 498.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041445 29159 534.6 UdeM00000041445 XP_034329719.1 74.1 347
89 1 3 348 620 966 9.10E-149 534.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041446 6573 280 UdeM00000041446 XP_021375565.1 68.2 201
59 2 59 257 395 592 3.20E-72 280 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041447 6596 534.6 UdeM00000041447 XP_045202556.1 76.5 340
60 2 14 333 57 396 9.50E-149 534.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041448 59861 199.9 UdeM00000041448 XP_045070405.1 50 208
102 2 2 207 47 254 4.90E-48 199.9 59861 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Protacanthopterygii;Salmoniformes;Salmonidae;Coregoninae;Coregonus;Coregonus clupeaformis

UdeM00000041449 6596 1376.7 UdeM00000041449 XP_045199869.1 42.9
1687 942 14 34 1714 269 1940 0.00E+00 1376.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041450 6596 185.7 UdeM00000041450 XP_045199869.1 41.1 287
168 1 32 317 269 555 9.90E-44 185.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041451 6596 1159.4 UdeM00000041451 XP_045199869.1 42.8
1373 764 11 1 1366 582 1940 0.00E+00 1159.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041452 6596 1349.3 UdeM00000041452 XP_045199869.1 42
1686 956 12 32 1709 269 1940 0.00E+00 1349.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041453 6596 1341.6 UdeM00000041453 XP_045199869.1 42
1686 956 12 34 1711 269 1940 0.00E+00 1341.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041455 6596 1639 UdeM00000041455 XP_045199760.1 51.6 1823
830 21 103 1898 151 1947 0.00E+00 1639 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041456 6596 767.3 UdeM00000041456 XP_045200553.1 67.6 521
169 0 17 537 11 531 1.30E-218 767.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041457 6500 202.6 UdeM00000041457 XP_035827795.1 77.5 120
27 0 4 123 14 133 2.90E-49 202.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
tipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000041461 6596 117.9 UdeM00000041461 XP_045158309.1 47.4 135
69 2 16 150 76 208 1.30E-23 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041462 6596 223 UdeM00000041462 XP_045197203.1 32.6 387
241 7 1 372 81 462 6.40E-55 223 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041463 6596 413.3 UdeM00000041463 XP_045199078.1 39.4 594
332 10 6 587 11 588 5.20E-112 413.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041464 6573 610.1 UdeM00000041464 XP_021375393.1 59.8 502
200 1 1 502 36 535 2.50E-171 610.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041465 6579 280.4 UdeM00000041465 XP_033735066.1 33.5 502
295 10 73 542 65 559 4.90E-72 280.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041467 6579 288.1 UdeM00000041467 XP_033735066.1 32.3 548
328 12 29 544 23 559 2.40E-74 288.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041468 6573 733.4 UdeM00000041468 XP_021373272.1 66.5 552
182 1 1 549 1 552 2.10E-208 733.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041469 6596 339 UdeM00000041469 XP_045201857.1 40.1 436
250 2 6 432 5 438 9.50E-90 339 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041470 6596 298.9 UdeM00000041470 XP_045201949.1 46.2 372
159 5 12 343 9 379 8.60E-78 298.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041471 29159 603.6 UdeM00000041471 XP_034318263.1 77 374
86 0 3 376 4 377 1.70E-169 603.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041472 59729 142.5 UdeM00000041472 XP_030144625.3 35.4 206
125 4 305 505 123 325 1.50E-30 142.5 59729 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne

ognathae; Passeriformes; Passeroidea; Estrildidae; Estrildinae; Taeniopygia; Taeniopygia guttata
 UdeM00000041475 6565 125.6 UdeM00000041475 XP_022287303.1 29.8 228
 128 7 2 198 522 748 7.30E-26 125.6 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000041477 6565 92 UdeM00000041477 XP_022287303.1 42.9 105
 58 2 5 108 591 694 5.30E-16 92 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000041476 6565 92.4 UdeM00000041476 XP_022287303.1 42.9 105
 58 2 5 108 591 694 4.00E-16 92.4 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000041478 400727 478.8 UdeM00000041478 XP_025080098.1 87.7
 260 30 1 1 258 1 260 4.40E-132 478.8 400727
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
 ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
 UdeM00000041479 400727 448.4 UdeM00000041479 XP_025080098.1 83.8
 260 29 2 1 247 1 260 6.10E-123 448.4 400727
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
 ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
 UdeM00000041480 6579 821.2 UdeM00000041480 XP_033759680.1 74.5 596
 131 8 257 834 192 784 1.20E-234 821.2 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000041481 6573 285.8 UdeM00000041481 XP_021368303.1 50.3 326
 107 10 1 306 3 293 6.50E-74 285.8 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000041482 6596 63.9 UdeM00000041482 XP_045199535.1 52.9 51
 24 0 216 266 162 212 3.50E-07 63.9 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000041483 6596 851.3 UdeM00000041483 XP_045199534.1 62.7 611
 228 0 1 611 61 671 7.70E-244 851.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000041484 6579 75.1 UdeM00000041484 XP_033760834.1 41.1 112
 58 2 7 111 1 111 7.00E-11 75.1 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000041485 6596 232.3 UdeM00000041485 XP_045202502.1 50.3 348
167 4 1547 1892 1534 1877 5.20E-57 232.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041486 10224 85.9 UdeM00000041486 XP_002740528.1 37.3 142
59 4 2 121 106 239 4.30E-14 85.9 10224 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii

UdeM00000041487 10224 184.1 UdeM00000041487 XP_006814936.1 42 245
134 4 111 350 64 305 3.10E-43 184.1 10224 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii

UdeM00000041488 6596 157.1 UdeM00000041488 XP_045202502.1 77.8 108
23 1 1 108 1908 2014 1.20E-35 157.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041489 6596 320.1 UdeM00000041489 XP_045201857.1 39.6 412
241 2 6 409 7 418 4.70E-84 320.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041490 29159 141 UdeM00000041490 XP_034335613.1 30.1 362
183 9 9 366 498 793 3.10E-30 141 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000041491 6596 106.3 UdeM00000041491 XP_045197109.1 26.3 369
197 7 671 975 450 807 2.20E-19 106.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041494 6596 202.6 UdeM00000041494 XP_045197408.1 30 497
268 11 544 1009 952 1399 2.80E-48 202.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041495 6573 315.5 UdeM00000041495 XP_021372035.1 36.4 530
314 9 55 570 90 610 1.50E-82 315.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000041496 6579 114.4 UdeM00000041496 XP_033732935.1 37.6 173
101 4 21 188 35 205 1.60E-22 114.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000041497 6565 136.7 UdeM00000041497 XP_022296914.1 31 287
148 2 1 287 174 410 6.10E-29 136.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041498 6565 317 UdeM00000041498 XP_022298933.1 31 671
397 13 207 834 89 736 7.30E-83 317 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041499 6579 115.5 UdeM00000041499 XP_033732935.1 38.2 173
100 4 21 188 35 205 7.20E-23 115.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000041500 6573 319.7 UdeM00000041500 XP_021372035.1 36.8 527
310 9 58 570 93 610 7.70E-84 319.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000041501 6596 60.1 UdeM00000041501 XP_045169188.1 44.8 67
33 2 1 67 859 921 1.30E-06 60.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041502 6573 345.9 UdeM00000041502 XP_021346851.1 29.8 801
487 15 26 813 29 767 1.40E-91 345.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000041503 6596 60.1 UdeM00000041503 XP_045169188.1 44.8 67
33 2 1 67 859 921 1.30E-06 60.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041504 6565 311.6 UdeM00000041504 XP_022301129.1 38.3 418
250 5 157 567 320 736 2.10E-81 311.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041505 29159 169.5 UdeM00000041505 XP_034331441.1 28.8 473
238 12 10 388 61 528 8.60E-39 169.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041506 6573 463.4 UdeM00000041506 XP_021346851.1 33.4 874
512 13 26 886 29 845 6.70E-127 463.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000041507 1735272 296.2 UdeM00000041507 XP_041347002.1 60.8
265 98 3 269 531 194 454 8.30E-77 296.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000041508 1735272 296.2 UdeM00000041508 XP_041347002.1 60.8
265 98 3 238 500 194 454 7.80E-77 296.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000041512 225164 196.1 UdeM00000041512 XP_009062741.1 32.2
307 197 5 54 352 55 358 8.00E-47 196.1 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea
UdeM00000042378 6596 562.8 UdeM00000042378 XP_045178786.1 32.8 2235
983 52 50 1954 100 2144 1.80E-156 562.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042379 45351 93.2 UdeM00000042379 XP_001623471.2 31.3 211
118 5 3 197 6 205 4.50E-16 93.2 45351 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
UdeM00000042380 6596 193.4 UdeM00000042380 XP_045177779.1 44.2 231
125 4 56 285 398 625 4.60E-46 193.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042381 6596 116.7 UdeM00000042381 XP_045177779.1 44.3 122
67 1 3 123 401 522 2.10E-23 116.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042382 6596 189.9 UdeM00000042382 XP_045177778.1 39.8 299
162 6 1 289 405 695 8.50E-45 189.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042384 72036 303.1 UdeM00000042384 XP_040576246.1 45 349
184 6 7 351 117 461 4.50E-79 303.1 72036 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;Caligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000042386 29159 241.9 UdeM00000042386 XP_034302488.1 47 328
 155 5 1463 1785 7 320 6.30E-60 241.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042387 6596 324.3 UdeM00000042387 XP_045199354.1 28.8 852
 485 22 1 758 65 888 4.10E-85 324.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042388 6565 167.9 UdeM00000042388 XP_022297037.1 43.1 225
 121 3 6 225 11 233 1.40E-38 167.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042389 6596 395.2 UdeM00000042389 XP_045199354.1 29.9 941
 545 25 1 864 65 967 2.10E-106 395.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042390 6565 79.7 UdeM00000042390 XP_022297037.1 36 136
 80 3 6 136 11 144 3.20E-12 79.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042391 6565 72 UdeM00000042391 XP_022297037.1 65.4 52
 18 0 1 52 183 234 1.30E-09 72 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042392 7574 63.5 UdeM00000042392 XP_013389170.1 29.9 97
 65 2 9 104 338 432 1.80E-07 63.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000042394 6596 370.9 UdeM00000042394 XP_045179669.1 53.2 391
 163 4 6 394 29 401 2.00E-99 370.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042395 6596 186.8 UdeM00000042395 XP_045187052.1 50 188
 89 3 2 188 145 328 3.40E-44 186.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042396 6596 186 UdeM00000042396 XP_045187052.1 49.7 187
 89 3 2 187 145 327 4.40E-44 186 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042397 6596 99.8 UdeM00000042397 XP_045202346.1 40.5 131
74 2 6 135 16 143 2.90E-18 99.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042398 6596 1781.1 UdeM00000042398 XP_045179914.1 59
1836 633 20 35 1814 1235 3006 0.00E+00 1781.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042399 6565 1232.6 UdeM00000042399 XP_022322319.1 46
1290 673 14 1 1275 192 1472 0.00E+00 1232.6 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042400 29159 204.5 UdeM00000042400 XP_034300594.1 54.2 177
77 1 1 177 61 233 1.20E-49 204.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042402 6596 167.9 UdeM00000042402 XP_045204388.1 35.4 347
187 11 6 333 10 338 3.10E-38 167.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042403 6579 216.1 UdeM00000042403 XP_033731739.1 54.7 179
79 1 1 179 202 378 3.70E-53 216.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042405 6573 252.7 UdeM00000042405 XP_021350148.1 45.3 311
161 5 2 306 33 340 6.50E-64 252.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042406 6565 371.7 UdeM00000042406 XP_022320666.1 53.8 379
165 7 3 377 3886 4258 1.30E-99 371.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042407 29159 1053.9 UdeM00000042407 XP_034301274.1 59.1
815 328 4 3 814 2823 3635 1.50E-304 1053.9
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042408 6526 3037.7 UdeM00000042408 XP_013077212.1 48.6
2990 1485 15 1 2976 231 3181 0.00E+00 3037.7 6526
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biophalaria;Biophalaria
glabrata

UdeM00000042409 1735272 212.2 UdeM00000042409 XP_041374759.1 45.9
209 110 2 3 209 19 226 6.30E-52 212.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
topiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042410 6596 261.9 UdeM00000042410 XP_045178329.1 62.3 204
77 0 1 204 1 204 6.80E-67 261.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000042411 6565 841.6 UdeM00000042411 XP_022344846.1 72.2 543
137 2 1 543 2 530 5.40E-241 841.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042412 7574 609.4 UdeM00000042412 XP_013382110.1 49.2 589
280 7 14 601 45 615 5.00E-171 609.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000042413 7574 236.5 UdeM00000042413 XP_013409676.1 50.7 268
115 5 1 261 1 258 3.90E-59 236.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000042414 6500 70.1 UdeM00000042414 XP_005096263.1 42.8 152
67 5 6 151 8 145 2.80E-09 70.1 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000042415 6596 829.3 UdeM00000042415 XP_045179606.1 81.5 492
89 1 6 497 149 638 3.10E-237 829.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000042416 451745 110.2 UdeM00000042416 XP_037531102.1 28.2
209 144 3 7 215 184 386 3.50E-21 110.2 451745
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Rivulidae;Nematolebias;Nematolebias whitei

UdeM00000039991 441366 326.6 UdeM00000039991 XP_028296753.1 40.5
459 258 8 6 463 32 476 5.30E-86 326.6 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
willdenowi

UdeM00000039992 6573 104.4 UdeM00000039992 XP_021369796.1 34.4 151
98 1 165 315 4176 4325 2.90E-19 104.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039994 6596 412.5 UdeM00000039994 XP_045190136.1 26.2 1179
784 27 477 1600 10 1157 2.40E-111 412.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039995 6596 445.3 UdeM00000039995 XP_045190136.1 27.1 1178
792 26 477 1617 10 1157 3.40E-121 445.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000021990 6596 191 UdeM00000021990 XP_045191793.1 39 310
160 7 1 307 258 541 2.40E-45 191 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000021991 6596 153.7 UdeM00000021991 XP_045177779.1 41.1 209
117 5 38 244 372 576 3.20E-34 153.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000021992 29159 106.3 UdeM00000021992 XP_034305547.1 29.3 222
137 6 79 284 21 238 6.60E-20 106.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021993 8154 73.9 UdeM00000021993 XP_026015163.1 52.1 73
35 0 1 73 1 73 1.30E-10 73.9 8154 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
iformes;Cichlidae;African
cichlids;Pseudocrenilabrinae;Haplochromini;Astatotilapia;Astatotilapia
calliptera

UdeM00000021994 6596 174.5 UdeM00000021994 XP_045182316.1 45.1 213
 114 2 106 318 407 616 2.40E-40 174.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021996 6596 109.4 UdeM00000021996 XP_045162187.1 68.8 77
 24 0 1 77 36 112 3.40E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021997 6596 303.5 UdeM00000021997 XP_045177776.1 41.9 372
 209 4 129 496 602 970 7.00E-79 303.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021998 6596 394 UdeM00000021998 XP_045177779.1 37.4 562
 338 9 73 631 247 797 4.70E-106 394 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021999 45351 80.9 UdeM00000021999 XP_032226414.1 37.1 151
 78 3 37 172 11 159 2.30E-12 80.9 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000022000 6573 164.5 UdeM00000022000 XP_021358159.1 38.1 260
 148 7 3 251 394 651 3.10E-37 164.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022002 29159 95.5 UdeM00000022002 XP_034330187.1 34.5 171
 89 6 164 334 9 156 1.40E-16 95.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022004 50429 92 UdeM00000022004 XP_022799946.1 31.8 157
 103 3 312 468 6 158 2.20E-15 92 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000022006 6596 115.5 UdeM00000022006 XP_045177776.1 29.5 244
 157 5 133 365 803 1042 2.30E-22 115.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022011 45351 91.3 UdeM00000022011 XP_032236999.1 35.8 151
 81 2 9 144 11 160 1.50E-15 91.3 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000022012 6596 125.6 UdeM00000022012 XP_045204184.1 41 166
 92 3 2 164 60 222 6.30E-26 125.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022015 29159 96.7 UdeM00000022015 XP_034330187.1 33.7 172
 97 5 240 409 9 165 7.70E-17 96.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022017 6596 380.9 UdeM00000022017 XP_045177776.1 40.5 568
 310 11 1 561 405 951 3.80E-102 380.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022018 6596 82.8 UdeM00000022018 XP_045161680.1 34.1 138
 81 2 131 258 97 234 1.20E-12 82.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022019 6579 230.3 UdeM00000022019 XP_033728503.1 89.1 119
 13 0 1 119 716 834 1.30E-57 230.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022020 6573 201.4 UdeM00000022020 XP_021368509.1 84.2 114
 13 1 1 109 859 972 6.30E-49 201.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022021 6579 597.4 UdeM00000022021 XP_033728503.1 57.3 562
 65 2 16 402 1014 1575 1.30E-167 597.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022024 6596 60.5 UdeM00000022024 XP_045180775.1 29.9 107
 66 1 85 182 1448 1554 2.80E-06 60.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022025 29159 99.4 UdeM00000022025 XP_034330187.1 37.4 171
 84 6 164 334 9 156 9.90E-18 99.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022026 29159 99.4 UdeM00000022026 XP_034330187.1 36.3 171
 86 6 164 334 9 156 9.90E-18 99.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022027 7574 79 UdeM00000022027 XP_023932360.1 24.3 210
 131 6 30 237 1652 1835 2.30E-11 79 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000022028 7574 79 UdeM00000022028 XP_023932360.1 24.3 210
 131 6 30 237 1652 1835 2.50E-11 79 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000022029 6596 318.5 UdeM00000022029 XP_045178416.1 47 372
 145 3 110 429 4 375 1.30E-83 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022030 1735272 275.4 UdeM00000022030 XP_041374011.1 58.3
 206 84 1 1 204 512 717 5.90E-71 275.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022031 1735272 292.7 UdeM00000022031 XP_041374011.1 57.1
 224 94 1 1 222 494 717 3.90E-76 292.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022032 1735272 414.8 UdeM00000022032 XP_041374011.1 43.2
 486 270 4 12 494 10 492 1.50E-112 414.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022033 6573 580.1 UdeM00000022033 XP_021341356.1 76.4 365
 82 1 5 369 103 463 2.00E-162 580.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022035 400727 427.9 UdeM00000022035 XP_025104943.1 79.2
 269 56 0 2 270 3 271 9.40E-117 427.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000022036 6500 298.5 UdeM00000022036 XP_012945148.1 60.5 309
 117 5 829 1134 25 331 3.80E-77 298.5 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000022037 6579 1048.5 UdeM00000022037 XP_033728946.1 45.8
 1236 600 16 1 1208 31 1224 1.30E-302 1048.5 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000022037 6579 108.6 UdeM00000022037 XP_033728946.1 34.3 178
100 4 2184 2360 2596 2757 1.10E-19 108.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000022039 6596 691.4 UdeM00000022039 XP_045178671.1 64.6 495
171 2 2 492 175 669 8.20E-196 691.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000022040 6596 310.5 UdeM00000022040 XP_045178671.1 70 203
61 0 2 204 467 669 1.60E-81 310.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000022041 6596 312.4 UdeM00000022041 XP_045178671.1 70.4 203
60 0 2 204 467 669 4.30E-82 312.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000022042 29159 389 UdeM00000022042 XP_011428534.2 38.1 586
340 11 23 596 296 870 1.10E-104 389 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000007799 6573 76.6 UdeM00000007799 XP_021347744.1 43.9 82
46 0 6 87 7 88 2.20E-11 76.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000007801 6579 122.1 UdeM00000007801 XP_033739131.1 51.8 112
53 1 3 114 1260 1370 4.70E-25 122.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000007802 400727 493.4 UdeM00000007802 XP_025103991.1 71.2
479 119 4 2 471 3 471 3.10E-136 493.4 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000007803 7515 124.4 UdeM00000007803 XP_026479132.1 43.4 143
80 1 1 143 105 246 1.20E-25 124.4 7515 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Siphonaptera; Pulicomorpha; Pulicoidea; Pulicidae; Archaeopsyllinae; Ctenocephalides; Ctenocephalides felis

UdeM00000007804 7515 154.8 UdeM00000007804 XP_026479132.1 38.9 198
 119 2 37 233 50 246 1.30E-34 154.8 7515 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Siphonaptera;Pulicomorpha
 ;Pulicoidea;Pulicidae;Archaeopsyllinae;Ctenocephalides;Ctenocephalides
 felis

UdeM00000007805 6596 392.5 UdeM00000007805 XP_045161160.1 59.9 324
 125 2 1 319 1 324 5.70E-106 392.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007806 6579 320.5 UdeM00000007806 XP_033734733.1 32.5 1101
 611 37 1 1067 1 1003 8.20E-84 320.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007807 6596 1614 UdeM00000007807 XP_045187153.1 89.9 884
 89 0 4 887 7 890 0.00E+00 1614 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007808 6596 62 UdeM00000007808 XP_045167285.1 36.8 87
 53 1 7 91 159 245 5.00E-07 62 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007809 36176 76.3 UdeM00000007809 XP_043552272.1 59.4 64
 26 0 1 64 1 64 2.10E-11 76.3 36176 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Hemiscylliidae;Chilosc
 yllium;Chiloscyllium plagiolum

UdeM00000007810 1415580 87.4 UdeM00000007810 XP_030075314.1 41.1
 107 62 1 1 107 1 106 1.20E-14 87.4 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor

UdeM00000007811 7757 488 UdeM00000007811 XP_032835197.1 79.5 308
 62 1 1 308 52 358 1.20E-134 488 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000007812 1415580 109 UdeM00000007812 XP_030075314.1 72.2
 72 20 0 2 73 554 625 2.60E-21 109 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc

opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000007813 6596 400.6 UdeM00000007813 XP_045167193.1 38.6 694
 337 14 6 673 4 634 4.00E-108 400.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007814 6596 736.9 UdeM00000007814 XP_045167204.1 56.6 831
 301 18 1 780 1 822 4.10E-209 736.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007815 6565 528.9 UdeM00000007815 XP_022332113.1 83.8 320
 17 1 1 285 113 432 4.80E-147 528.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007816 6500 179.1 UdeM00000007816 XP_005102107.1 66.2 142
 45 2 3 144 5 143 4.30E-42 179.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000007817 1410327 151 UdeM00000007817 XP_012759400.1 41.1
 185 103 3 47 231 618 796 4.50E-33 151 1410327
 cellular
 organisms;Eukaryota;Amoebozoa;Evosea;Eumycetozoa;Dictyostelia;Acytostelia
 les;Acytosteliaceae;Acytostelium;Acytostelium subglobosum;Acytostelium
 subglobosum LB1
 UdeM00000007818 6596 718.4 UdeM00000007818 XP_045167260.1 57.2 671
 197 5 6 673 4 587 8.60E-204 718.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007819 6596 744.6 UdeM00000007819 XP_045167260.1 63.8 602
 197 5 6 604 4 587 1.00E-211 744.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007820 6579 541.6 UdeM00000007820 XP_033735477.1 58.9 462
 177 6 27 476 37 497 1.00E-150 541.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007821 6579 548.1 UdeM00000007821 XP_033735477.1 59.7 464
 172 7 26 476 36 497 1.10E-152 548.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007822 6596 257.7 UdeM00000007822 XP_045167298.1 49.1 273
 123 2 109 368 119 388 2.50E-65 257.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007823 6596 340.1 UdeM00000007823 XP_045191221.1 41.9 415
225 4 13 426 12 411 4.10E-90 340.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007824 6596 369.4 UdeM00000007824 XP_045191221.1 45.6 410
218 5 9 416 7 413 6.10E-99 369.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007825 6596 369.4 UdeM00000007825 XP_045191221.1 45.6 410
218 5 9 416 7 413 6.10E-99 369.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007826 6596 369.4 UdeM00000007826 XP_045191221.1 45.6 410
218 5 9 416 7 413 6.10E-99 369.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007827 6573 307.8 UdeM00000007827 XP_021347271.1 54 359
135 10 1 342 1 346 1.90E-80 307.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007828 6579 351.7 UdeM00000007828 XP_033735481.1 60.1 376
121 11 1 364 1 359 1.10E-93 351.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007830 29159 401.4 UdeM00000007830 XP_019926412.2 54.5 398
165 6 1 393 1 387 1.40E-108 401.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007831 6579 371.3 UdeM00000007831 XP_033735483.1 56.2 381
143 10 2 367 9 380 1.40E-99 371.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007832 667725 178.7 UdeM00000007832 XP_014153486.1 54.4
149 67 1 1 148 1 149 5.40E-42 178.7 667725
cellular

organisms;Eukaryota;Opisthokonta;Ichthyosporea;Ichthyophonida;Sphaeroforma;Sphaeroforma arctica;Sphaeroforma arctica JP610

UdeM00000007833 6573 171.8 UdeM00000007833 XP_021360372.1 57.9 140
 57 1 1101 1240 620 757 5.60E-39 171.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007835 6596 347.1 UdeM00000007835 XP_045157154.1 40.7 450
 262 3 26 472 113 560 4.50E-92 347.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007836 6596 318.2 UdeM00000007836 XP_045187665.1 60.3 252
 98 2 8 259 11 260 1.10E-83 318.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007837 6573 96.3 UdeM00000007837 XP_021367970.1 31 155
 107 0 126 280 82 236 7.00E-17 96.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007838 6579 473.8 UdeM00000007838 XP_033735451.1 41.5 776
 392 14 1 748 1 742 4.20E-130 473.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007839 6596 445.3 UdeM00000007839 XP_045167688.1 59.6 364
 145 2 7 368 8 371 9.80E-122 445.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007840 10224 122.1 UdeM00000007840 XP_006813844.1 41.5 147
 86 0 2 148 126 272 6.40E-25 122.1 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000007841 10224 120.2 UdeM00000007841 XP_006813844.1 41.4 145
 85 0 1 145 128 272 2.40E-24 120.2 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000007842 6596 151 UdeM00000007842 XP_045167688.1 72.5 102
 28 0 252 353 371 472 2.90E-33 151 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007845 29159 400.2 UdeM00000007845 XP_034311318.1 36.3 681
 348 16 157 768 1 664 6.50E-108 400.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007846 6579 198.4 UdeM00000007846 XP_033736448.1 39 272
 155 5 5 267 10 279 2.20E-47 198.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007847 225164 320.1 UdeM00000007847 XP_009061546.1 75.5
 196 48 0 1 196 1 196 2.00E-84 320.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000007848 6573 914.1 UdeM00000007848 XP_021343879.1 40.1 1305
 711 20 4 1265 5 1281 2.00E-262 914.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007849 6526 68.9 UdeM00000007849 XP_013069545.1 28.4 176
 107 5 46 218 1099 1258 9.70E-09 68.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000007850 6596 837.4 UdeM00000007850 XP_045167527.1 53.9 798
 343 4 6 802 134 907 1.50E-239 837.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007852 6565 731.9 UdeM00000007852 XP_022334489.1 55 645
 282 7 5 644 12 653 7.50E-208 731.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007853 29159 454.5 UdeM00000007853 XP_034332465.1 49.2 496
 240 8 80 565 72 565 2.20E-124 454.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007854 6596 121.3 UdeM00000007854 XP_045182392.1 42.5 153
 84 3 1 153 432 580 1.50E-24 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007855 29159 448.4 UdeM00000007855 XP_034332465.1 49.1 499
 237 7 19 505 72 565 1.40E-122 448.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007856 6565 416.4 UdeM00000007856 XP_022333610.1 59.7 347
 136 2 2 347 469 812 4.80E-113 416.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007857 29159 421.4 UdeM00000007857 XP_011442695.2 43.9 558
 289 8 23 562 819 1370 1.90E-114 421.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007858 6596 718.8 UdeM00000007858 XP_045187532.1 42.5 1060
 382 17 1 852 1 1041 8.30E-204 718.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007859 6596 357.8 UdeM00000007859 XP_045187532.1 46.6 455
 186 10 1 413 1 440 1.80E-95 357.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007860 6596 656.4 UdeM00000007860 XP_045187532.1 39.7 1056
 392 15 1 826 1 1041 4.90E-185 656.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007862 6596 139 UdeM00000007862 XP_045162402.1 45.3 148
 81 0 50 197 412 559 6.30E-30 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007863 7654 224.2 UdeM00000007863 XP_041477967.1 60.5 177
 70 0 2 178 6 182 1.70E-55 224.2 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000007864 6579 224.9 UdeM00000007864 XP_033737260.1 50.2 221
 101 2 1 221 1 212 1.00E-55 224.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007866 6596 133.7 UdeM00000007866 XP_045161061.1 52 123
 59 0 1 123 79 201 1.70E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007865 6596 237.7 UdeM00000007865 XP_045161061.1 57.2 201
 85 1 1 200 1 201 1.30E-59 237.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007867 6573 383.6 UdeM00000007867 XP_021340111.1 50.2 426
 184 7 22 427 41 458 3.40E-103 383.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000007868 6579 731.5 UdeM00000007868 XP_033735883.1 47.9 771
367 12 58 803 14 774 1.20E-207 731.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007869 6596 124.8 UdeM00000007869 XP_045178837.1 44.6 139
71 3 145 279 77 213 1.70E-25 124.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000007870 7725 141.7 UdeM00000007870 XP_039250069.1 70.2 104
30 1 1 104 313 415 6.30E-31 141.7 7725 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela clava
UdeM00000007871 6596 149.1 UdeM00000007871 XP_045173814.1 40.7 302
142 14 89 359 29 324 1.10E-32 149.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000007872 6596 495.7 UdeM00000007872 XP_045173803.1 48.6 541
248 7 5 544 3 514 2.10E-136 495.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000007873 6596 501.9 UdeM00000007873 XP_045188256.1 51.2 502
218 8 3 496 122 604 1.20E-138 501.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000007874 6596 184.5 UdeM00000007874 XP_045202545.1 49 202
77 5 10 186 10 210 1.20E-43 184.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000007875 6579 198.7 UdeM00000007875 XP_033741736.1 53.5 187
85 1 1 185 671 857 6.80E-48 198.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007876 6596 340.1 UdeM00000007876 XP_045162348.1 81.1 206
36 2 115 318 54 258 3.80E-90 340.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007877 6579 217.6 UdeM00000007877 XP_033734184.1 37.3 373
 206 9 3 356 20 383 2.60E-53 217.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007878 29159 223 UdeM00000007878 XP_034326637.1 37.9 359
 200 8 8 351 6 356 6.00E-55 223 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007879 6565 253.1 UdeM00000007879 XP_022334079.1 67.6 182
 56 2 1 180 1 181 3.00E-64 253.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007880 6579 496.5 UdeM00000007880 XP_033734608.1 44.6 583
 295 7 44 613 2 569 4.80E-137 496.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007881 6579 85.1 UdeM00000007881 XP_033733680.1 30.9 220
 127 5 17 214 11 227 1.20E-13 85.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007882 6565 158.7 UdeM00000007882 XP_022328708.1 48.5 169
 86 1 1 168 1 169 7.10E-36 158.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007883 6596 3191.4 UdeM00000007883 XP_045213071.1 47.8
 3797 1696 61 1 3626 104 3785 0.00E+00 3191.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007885 6596 694.5 UdeM00000007885 XP_045175481.1 71.3 471
 130 2 4 469 16 486 9.40E-197 694.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007886 6596 360.1 UdeM00000007886 XP_045187095.1 86.4 206
 28 0 1 206 1 206 1.80E-96 360.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007887 6579 349.4 UdeM00000007887 XP_033733793.1 64.9 268
 92 1 18 285 571 836 4.40E-93 349.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007888 151771 104.4 UdeM00000007888 XP_028408207.1 38.9
 157 95 1 84 240 138 293 2.10E-19 104.4 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000007889 70779 102.4 UdeM00000007889 XP_015764363.1 36 214
 125 6 27 239 73 275 9.20E-19 102.4 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000007890 6596 659.4 UdeM00000007890 XP_045215580.1 66.1 528
 166 5 41 557 141 666 3.90E-186 659.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007891 6596 721.8 UdeM00000007891 XP_045182724.1 54.4 1578
 690 13 217 1791 1 1551 2.60E-204 721.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007892 6596 721.8 UdeM00000007892 XP_045182724.1 54.4 1578
 690 13 546 2120 1 1551 3.00E-204 721.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007893 6596 1094.7 UdeM00000007893 XP_045182791.1 69.6
 853 239 6 7 851 32 872 0.00E+00 1094.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007894 6579 243.4 UdeM00000007894 XP_033740907.1 68.7 163
 51 0 9 171 11 173 2.10E-61 243.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007895 6596 332 UdeM00000007895 XP_045183083.1 77.2 202
 46 0 5 206 2 203 5.30E-88 332 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007896 6596 217.2 UdeM00000007896 XP_045168484.1 52.3 199
 91 1 1 195 1 199 1.90E-53 217.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007898 6596 225.3 UdeM00000007898 XP_045168484.1 55.8 199
 84 1 1 195 1 199 6.60E-56 225.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007899 6596 170.6 UdeM00000007899 XP_045168484.1 48.9 178
 89 1 1 178 24 199 1.80E-39 170.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007900 6596 184.9 UdeM00000007900 XP_045168484.1 46.7 195
 102 1 4 198 7 199 1.00E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007901 6596 193.7 UdeM00000007901 XP_045168484.1 50.8 191
 93 1 4 194 7 196 2.20E-46 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007902 6596 216.9 UdeM00000007902 XP_045157162.1 55.6 196
 80 4 1 195 1 190 2.40E-53 216.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007903 6596 251.9 UdeM00000007903 XP_045168484.1 59.8 199
 76 1 1 195 1 199 6.60E-64 251.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007904 6596 196.4 UdeM00000007904 XP_045168484.1 61.9 147
 56 0 17 163 53 199 2.80E-47 196.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007905 6596 159.8 UdeM00000007905 XP_045168484.1 42.3 189
 108 1 7 194 11 199 3.40E-36 159.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007906 6596 218.8 UdeM00000007906 XP_045168484.1 54 202
 86 2 1 198 1 199 6.40E-54 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007907 6500 107.8 UdeM00000007907 XP_035825169.1 33.3 243
 122 5 24 243 330 555 1.90E-20 107.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000007908 6596 219.2 UdeM00000007908 XP_045157162.1 58.2 196
 75 4 1 195 1 190 4.70E-54 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007909 6596 220.7 UdeM00000007909 XP_045157162.1 58.7 196
 74 4 1 195 1 190 1.60E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007910 6596 220.7 UdeM00000007910 XP_045157162.1 58.7 196
 74 4 1 195 1 190 1.60E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007911 6596 220.7 UdeM00000007911 XP_045157162.1 58.7 196
 74 4 1 195 1 190 1.60E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007912 6596 222.2 UdeM00000007912 XP_045157162.1 58.7 196
 74 4 1 195 1 190 5.60E-55 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007913 6596 220.3 UdeM00000007913 XP_045157162.1 58.2 196
 75 4 1 195 1 190 2.10E-54 220.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007914 6596 211.5 UdeM00000007914 XP_045168484.1 54.7 190
 84 1 4 193 9 196 1.00E-51 211.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007915 27687 111.3 UdeM00000007915 XP_028656852.1 41.5 135
 76 3 4 136 316 449 9.80E-22 111.3 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus

UdeM00000007916 6596 176 UdeM00000007916 XP_045168484.1 51.7 176
 82 2 1 176 24 196 4.30E-41 176 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007918 6596 201.4 UdeM00000007918 XP_045168484.1 55.5 182
 79 1 9 190 14 193 1.00E-48 201.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007919 6596 199.1 UdeM00000007919 XP_045168484.1 55.7 183
 78 2 9 191 14 193 5.00E-48 199.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007920 6579 218.8 UdeM00000007920 XP_033734651.1 53.5 187
 86 1 1 186 1 187 6.50E-54 218.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044298 400727 148.7 UdeM00000044298 XP_025095647.1 51.2
 127 58 1 42 168 5 127 7.00E-33 148.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000044299 400727 108.6 UdeM00000044299 XP_025093452.1 65.3
 72 25 0 30 101 135 206 4.70E-21 108.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000044300 6565 600.9 UdeM00000044300 XP_022287481.1 50.5 622
 295 8 2 620 1522 2133 1.80E-168 600.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044301 6596 114.8 UdeM00000044301 XP_045210599.1 43.7 151
 70 3 87 224 160 308 1.50E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044302 7654 74.7 UdeM00000044302 XP_041473734.1 42.4 92
 49 2 8 97 652 741 7.20E-11 74.7 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000044352 7741 58.5 UdeM00000044352 XP_019641549.1 32.8 119
 75 4 10 127 57 171 7.10E-06 58.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000044351 45264 67.4 UdeM00000044351 XP_044168285.1 25.4 169
121 3 44 212 396 559 2.50E-08 67.4 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000001818 6565 105.1 UdeM00000001818 XP_022312780.1 63.5 74
27 0 1 74 5 78 4.00E-20 105.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001819 29159 474.2 UdeM00000001819 XP_034303860.1 40 675
263 15 42 590 35 693 2.50E-130 474.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001820 6565 103.2 UdeM00000001820 XP_022312780.1 62.2 74
28 0 1 74 5 78 1.50E-19 103.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001821 29159 93.2 UdeM00000001821 XP_034310427.1 58 69
29 0 1 69 602 670 1.40E-16 93.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001822 29159 338.2 UdeM00000001822 XP_034303860.1 34.4 596
233 13 27 480 29 608 1.70E-89 338.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001823 29159 188.7 UdeM00000001823 XP_034303860.1 29.3 416
92 5 9 222 278 693 7.90E-45 188.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001824 29159 110.9 UdeM00000001824 XP_034303860.1 39.2 189
98 7 79 262 32 208 2.50E-21 110.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001825 6579 357.5 UdeM00000001825 XP_033752673.1 54.5 323
108 1 28 311 328 650 1.80E-95 357.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001826 6500 188 UdeM00000001826 XP_012938994.2 46.3 188
101 0 34 221 69 256 1.40E-44 188 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000001827 6596 424.1 UdeM00000001827 XP_045196634.1 54.8 343
153 1 13 355 7 347 1.80E-115 424.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001829 6579 586.3 UdeM00000001829 XP_033741429.1 58.6 514
190 5 1 510 1 495 4.00E-164 586.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001830 400727 97.4 UdeM00000001830 XP_025097146.1 61.8
68 26 0 1 68 1 68 8.00E-18 97.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000001831 6596 695.3 UdeM00000001831 XP_045196582.1 33.9 2077
1063 47 84 2108 62 1881 2.40E-196 695.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001833 6579 90.1 UdeM00000001833 XP_033758230.1 69.5 59
18 0 23 81 582 640 1.40E-15 90.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001834 6579 183 UdeM00000001834 XP_033759640.1 47.9 190
92 2 22 204 117 306 3.90E-43 183 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001835 6573 138.3 UdeM00000001835 XP_021362776.1 37.1 202
97 3 33 234 35 206 1.30E-29 138.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001836 6596 361.7 UdeM00000001836 XP_045196737.1 48.3 474
185 18 1 422 1 466 1.30E-96 361.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001837 6565 869 UdeM00000001837 XP_022292411.1 72.4 566
134 4 2 567 695 1238 3.30E-249 869 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001838 29159 1038.5 UdeM00000001838 XP_011455128.2 79.6
641 128 3 35 674 80 718 3.70E-300 1038.5
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001839 2607531 127.1 UdeM00000001839 XP_029646202.1 83.3
 72 12 0 15 86 57 128 1.50E-26 127.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000001840 6596 151.4 UdeM00000001840 XP_045199821.1 54.9 133
 58 2 10 141 11 142 8.80E-34 151.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001841 6596 135.6 UdeM00000001841 XP_045199821.1 44.4 126
 70 0 41 166 16 141 6.00E-29 135.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001842 6596 314.3 UdeM00000001842 XP_045196365.1 52.6 308
 146 0 13 320 157 464 1.80E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001843 114398 63.5 UdeM00000001843 XP_015918496.1 49.2
 65 32 1 32 96 15 78 3.60E-06 63.5 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000001844 1735272 491.9 UdeM00000001844 XP_041354220.1 67.5
 314 102 0 1 314 1 314 6.10E-136 491.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001845 6596 583.9 UdeM00000001845 XP_045196481.1 45 671
 358 6 17 682 6 670 2.60E-163 583.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001846 6596 325.5 UdeM00000001846 XP_045195385.1 54.1 331
 138 5 4 324 133 459 7.80E-86 325.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001847 6596 527.3 UdeM00000001847 XP_045198506.1 35.7 990
 502 26 34 932 1783 2728 3.90E-146 527.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001849 6596 240.4 UdeM00000001849 XP_045198695.1 34.9 499
172 5 5 354 2452 2946 3.60E-60 240.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001850 6596 602.8 UdeM00000001850 XP_045197975.1 36 1107
570 24 281 1273 907 1989 1.10E-168 602.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001851 6596 441 UdeM00000001851 XP_045198506.1 39.1 662
370 14 3 640 2043 2695 2.60E-120 441 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001852 6596 495.7 UdeM00000001852 XP_045198506.1 38.6 761
432 15 34 770 1946 2695 1.10E-136 495.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001853 6596 86.7 UdeM00000001853 XP_045198505.1 25.7 331
203 13 56 367 219 525 8.10E-14 86.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001854 6596 575.5 UdeM00000001854 XP_045198506.1 27.4 1962
1110 60 157 1928 892 2728 2.60E-160 575.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001855 6596 632.1 UdeM00000001855 XP_045198506.1 40.7 923
464 20 194 1083 1856 2728 1.30E-177 632.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001856 390379 224.9 UdeM00000001856 XP_034020940.1 24.7
1006 628 37 75 1036 3319 4238 4.70E-55 224.9 390379
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Batrachoidaria;Batrachoidiforme
s;Batrachoididae;Thalassophyrinae;Thalassophryne;Thalassophryne
amazonica

UdeM00000001858 260615 80.1 UdeM00000001858 XP_039385216.1 34.4
 180 8 2 1 70 347 526 1.20E-12 80.1 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
 oemydidae;Geoemydinae;Mauremys;Mauremys reevesii
 UdeM00000001859 260615 205.7 UdeM00000001859 XP_039386738.1 70.6
 180 9 3 1 136 347 526 3.80E-50 205.7 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
 oemydidae;Geoemydinae;Mauremys;Mauremys reevesii
 UdeM00000001860 29159 57.4 UdeM00000001860 XP_034315725.1 55.3 47
 18 1 1 47 502 545 6.60E-06 57.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001861 29159 134 UdeM00000001861 XP_034315725.1 55.6 117
 50 1 1 117 559 673 1.30E-28 134 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001866 6565 286.6 UdeM00000001866 XP_022286598.1 46.1 360
 170 7 2 361 135 470 4.70E-74 286.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001867 6565 247.7 UdeM00000001867 XP_022320668.1 68.8 160
 50 0 1 160 527 686 1.00E-62 247.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001870 6596 197.6 UdeM00000001870 XP_045195979.1 36.4 316
 181 5 88 403 282 577 3.40E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001875 6596 302 UdeM00000001875 XP_045196404.1 37.9 467
 238 10 256 707 360 789 2.00E-78 302 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001878 6579 701 UdeM00000001878 XP_033728194.1 50.9 693
 327 5 1 684 282 970 1.50E-198 701 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001880 29159 219.9 UdeM00000001880 XP_034339165.1 38.3 334
 192 8 1 331 186 508 4.70E-54 219.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001881 29159 496.5 UdeM00000001881 XP_034299474.1 43.4 611
 322 8 66 665 158 755 5.20E-137 496.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001884 29159 424.5 UdeM00000001884 XP_034299474.1 44.1 526
 279 7 3 522 239 755 2.00E-115 424.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001885 29159 317 UdeM00000001885 XP_034330911.1 39.3 489
 265 12 31 505 13 483 4.40E-83 317 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001886 46731 101.7 UdeM00000001886 XP_027046473.1 43.8 112
 63 0 74 185 19 130 1.10E-18 101.7 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000001890 6596 537 UdeM00000001890 XP_045178231.1 50.6 559
 267 5 7 557 9 566 3.00E-149 537 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001891 6596 125.9 UdeM00000001891 XP_045180427.1 33.6 274
 127 4 1 220 1 273 6.60E-26 125.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001892 6596 1186 UdeM00000001892 XP_045178231.1 64.1 957
 329 5 1 952 602 1548 0.00E+00 1186 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001894 6596 177.6 UdeM00000001894 XP_045195643.1 41.1 248
 119 10 3 237 66 299 2.30E-41 177.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001895 6579 345.1 UdeM00000001895 XP_033740923.1 36.6 558
 314 15 5 552 7 534 1.60E-91 345.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001896 225164 407.5 UdeM00000001896 XP_009064346.1 41.6
538 272 12 21 544 16 525 2.60E-110 407.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000001897 29159 433 UdeM00000001897 XP_011420306.2 83.9 261
38 2 12 272 1 257 2.90E-118 433 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001898 6596 300.8 UdeM00000001898 XP_045195631.1 51 298
138 4 55 348 41 334 2.50E-78 300.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001899 8128 67 UdeM00000001899 XP_019206542.2 32 125
75 3 85 204 28 147 3.20E-08 67 8128 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
iformes;Cichlidae;African

cichlids;Pseudocrenilabrinae;Oreochromini;Oreochromis;Oreochromis
niloticus

UdeM00000001900 7906 243.8 UdeM00000001900 XP_034780548.1 63.6 184
67 0 2 185 193 376 1.70E-61 243.8 7906 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipen
seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000001901 50429 75.5 UdeM00000001901 XP_022807755.1 44.9 89
47 1 2 90 89 175 4.20E-11 75.5 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000001902 481459 97.4 UdeM00000001902 XP_040031014.1 41.7
103 58 1 1 103 311 411 1.10E-17 97.4 481459

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioid
ei;Gasterosteales;Gasterosteidae;Gasterosteus;Gasterosteus
aculeatus;Gasterosteus aculeatus aculeatus

UdeM00000001903 29159 171 UdeM00000001903 XP_034335595.1 37.8 286
125 6 52 284 294 579 2.20E-39 171 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001905 6565 492.7 UdeM00000001905 XP_022297037.1 50 534
 238 6 6 532 11 522 6.10E-136 492.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001912 29159 164.1 UdeM00000001912 XP_034335621.1 36.1 294
 156 4 109 378 294 579 3.50E-37 164.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001916 6573 155.6 UdeM00000001916 XP_021348626.1 35.3 269
 142 6 14 250 257 525 8.30E-35 155.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001917 6596 253.1 UdeM00000001917 XP_045215628.1 48 246
 123 3 25 268 86 328 4.10E-64 253.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001918 6596 65.1 UdeM00000001918 XP_045185858.1 33.3 126
 75 3 26 148 42 161 2.20E-07 65.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001919 6596 65.1 UdeM00000001919 XP_045185858.1 33.3 126
 75 3 26 148 42 161 2.30E-07 65.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001920 6573 71.6 UdeM00000001920 XP_021358586.1 30.6 134
 89 2 225 357 116 246 2.20E-09 71.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001921 6573 71.6 UdeM00000001921 XP_021358586.1 30.6 134
 89 2 224 356 116 246 2.20E-09 71.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001922 6565 84.3 UdeM00000001922 XP_022345219.1 40 100
 58 1 2 99 284 383 9.70E-14 84.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001923 6565 327 UdeM00000001923 XP_022287686.1 56.1 262
 114 1 1 262 1 261 2.20E-86 327 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001924 6596 161.8 UdeM00000001924 XP_045215643.1 28.1 416
 171 8 1 288 1 416 1.30E-36 161.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001925 6579 159.5 UdeM00000001925 XP_033744154.1 33.1 314
 174 8 60 363 808 1095 8.30E-36 159.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001926 29159 301.2 UdeM00000001926 XP_034322046.1 49.7 322
 77 5 3 242 333 651 1.20E-78 301.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001927 29159 65.1 UdeM00000001927 XP_034322639.1 43.5 92
 48 2 77 164 18 109 9.80E-08 65.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001928 6565 100.5 UdeM00000001928 XP_022290906.1 38.1 139
 83 1 63 201 329 464 2.60E-18 100.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001929 6579 103.2 UdeM00000001929 XP_033739518.1 35.4 181
 90 4 50 203 522 702 4.20E-19 103.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001930 29159 162.2 UdeM00000001930 XP_034334597.1 32.8 317
 167 8 49 319 719 1035 1.10E-36 162.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001931 6565 164.1 UdeM00000001931 XP_022288933.1 32.7 297
 176 5 73 346 293 588 3.20E-37 164.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001933 6596 84 UdeM00000001933 XP_045195973.1 36.8 152
 76 4 16 164 308 442 2.10E-13 84 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001934 6565 171.8 UdeM00000001934 XP_022288931.1 34.1 305
 172 5 41 318 290 592 1.40E-39 171.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001939 6596 183.3 UdeM00000001939 XP_045195891.1 28.7 679
 399 19 46 664 19 672 9.80E-43 183.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001940 6596 151.8 UdeM00000001940 XP_045195892.1 40.4 250
132 6 529 776 623 857 3.70E-33 151.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001941 6579 470.7 UdeM00000001941 XP_033739698.1 72.3 311
86 0 11 321 11 321 1.50E-129 470.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001943 13164 73.6 UdeM00000001943 XP_022167387.1 39.5 76
46 0 6 81 94 169 1.40E-10 73.6 13164 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;Aphidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Myzus;Myzus persicae

UdeM00000001944 48498 432.6 UdeM00000001944 XP_020611075.1 63.5 315
115 0 11 325 2 316 4.60E-118 432.6 48498 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata

UdeM00000001945 7741 453.8 UdeM00000001945 XP_019617300.1 65.9 320
109 0 13 332 29 348 2.00E-124 453.8 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000001946 6579 186 UdeM00000001946 XP_033743002.1 43.8 194
109 0 115 308 10 203 7.60E-44 186 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001947 6579 370.5 UdeM00000001947 XP_033740259.1 47.4 390
198 5 6 392 4 389 2.60E-99 370.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001948 6596 106.7 UdeM00000001948 XP_045196692.1 31.7 306
174 11 30 310 27 322 6.70E-20 106.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001950 6105 646 UdeM00000001950 XP_031557674.1 33.9 1062
655 21 4 1032 5 1052 8.30E-182 646 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000001951 6596 89.4 UdeM00000001951 XP_045197768.1 45 111
39 2 1 89 180 290 4.10E-15 89.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001952 6105 637.5 UdeM00000001952 XP_031557674.1 34.2 1041
653 16 7 1024 21 1052 2.90E-179 637.5 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000001953 6105 646.4 UdeM00000001953 XP_031557674.1 34.2 1056
658 17 2 1029 6 1052 6.30E-182 646.4 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000001954 6105 618.6 UdeM00000001954 XP_031557674.1 33.8 1053
660 16 5 1027 7 1052 1.40E-173 618.6 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000001955 6105 618.6 UdeM00000001955 XP_031557674.1 33.8 1053
660 16 10 1032 7 1052 1.40E-173 618.6 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000001956 6596 447.6 UdeM00000001956 XP_045198784.1 49.7 431
216 1 3 432 103 533 1.80E-122 447.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001957 6596 387.9 UdeM00000001957 XP_045198127.1 46 448
231 7 35 479 54 493 2.10E-104 387.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001958 6105 625.9 UdeM00000001958 XP_031557674.1 33.9 1056
655 18 5 1027 7 1052 8.80E-176 625.9 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000001959 6105 626.3 UdeM00000001959 XP_031557674.1 34 1053
658 17 5 1027 7 1052 6.80E-176 626.3 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000001960 6573 443 UdeM00000001960 XP_021349183.1 68.1 383
121 1 1 383 81 462 4.00E-121 443 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001961 6573 578.6 UdeM00000001961 XP_021349183.1 70.8 463
134 1 1 463 1 462 7.30E-162 578.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001962 218467 112.8 UdeM00000001962 XP_023219748.1 53
115 53 1 15 128 84 198 3.20E-22 112.8 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Scorpiones; Buthida; Buthoidea; Buthidae; Centruroides; Centruroides sculpturatus

UdeM00000001963 1735272 228.8 UdeM00000001963 XP_041354581.1 47.4
230 117 3 24 250 91 319 9.80E-57 228.8 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000001964 1735272 211.1 UdeM00000001964 XP_041354581.1 47.6
210 106 3 48 253 121 330 1.70E-51 211.1 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000001965 6596 1946.4 UdeM00000001965 XP_045198705.1 52
1958 830 23 1 1869 407 2343 0.00E+00 1946.4 6596
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001967 6596 629.4 UdeM00000001967 XP_045198706.1 38.8 981
550 15 1 969 760 1702 8.30E-177 629.4 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001968 6596 593.2 UdeM00000001968 XP_045198706.1 52.7 584
271 5 20 601 178 758 4.00E-166 593.2 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001969 1529436 60.1 UdeM00000001969 XP_033124707.1 30.2
106 62 2 27 120 503 608 2.30E-06 60.1 1529436
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Pelmatozoa; Crinoidea; Articulata; Comatulida; Comatulidae; Comatulinae; Anneissia; Anneissia japonica

UdeM00000001970 48498 151.4 UdeM00000001970 XP_020611646.1 30 293
197 4 4 288 1178 1470 1.80E-33 151.4 48498 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Faviina; Merulinidae; Orbicella; Orbicella faveolata

UdeM00000001971 7741 559.7 UdeM00000001971 XP_019618826.1 56.8 477
205 1 1 476 47 523 3.60E-156 559.7 7741 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma belcheri

UdeM00000001972 1529436 117.5 UdeM00000001972 XP_033124707.1 33.3
231 136 6 2 224 388 608 2.30E-23 117.5 1529436
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Pelmatozoa; Crinoidea; Articulata; Comatulida; Comatulidae; Comatulinae; Anneissia; Anneissia japonica

UdeM00000001973 29159 132.1 UdeM00000001973 XP_034319761.1 26.9 275
 177 4 108 365 19 286 1.50E-27 132.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001974 1529436 60.8 UdeM00000001974 XP_033124707.1 28.8
 111 70 2 5 107 499 608 1.20E-06 60.8 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000001975 29159 362.5 UdeM00000001975 XP_034319761.1 27.9 746
 532 4 68 811 10 751 1.40E-96 362.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001978 6596 137.9 UdeM00000001978 XP_045198856.1 38.7 204
 99 6 43 229 65 259 1.80E-29 137.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001979 37653 215.7 UdeM00000001979 XP_014776580.1 89.3 121
 13 0 1 121 1 121 3.30E-53 215.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000001980 6526 59.7 UdeM00000001980 XP_013089460.1 37.5 128
 64 6 7 134 5 116 3.50E-06 59.7 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000001982 6596 1251.1 UdeM00000001982 XP_045198596.1 49.8
 1358 545 20 28 1333 16 1288 0.00E+00 1251.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001984 6596 145.2 UdeM00000001984 XP_045195551.1 36.4 231
 132 6 189 417 821 1038 2.20E-31 145.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001986 6573 77.8 UdeM00000001986 XP_021376553.1 47.4 76
 38 1 1 76 3 76 7.80E-12 77.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001989 6596 131.3 UdeM00000001989 XP_045195551.1 40.7 162
 89 3 34 193 836 992 1.60E-27 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001990 6596 171.4 UdeM00000001990 XP_045187536.1 52.2 161
73 1 11 171 50 206 1.00E-39 171.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001991 6596 344.4 UdeM00000001991 XP_045187536.1 74.1 232
59 1 2 233 228 458 1.20E-91 344.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001992 6596 102.4 UdeM00000001992 XP_045187536.1 74.6 63
16 0 1 63 396 458 2.40E-19 102.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001993 6596 123.6 UdeM00000001993 XP_045187536.1 54.1 111
49 1 1 111 496 604 2.40E-25 123.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001994 6596 498 UdeM00000001994 XP_045195551.1 34.7 1124
577 23 336 1348 391 1468 3.70E-137 498 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001997 6579 146.7 UdeM00000001997 XP_033741098.1 50.4 137
67 1 2 137 4 140 2.10E-32 146.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001998 6579 146.7 UdeM00000001998 XP_033741098.1 50.4 137
67 1 7 142 4 140 2.20E-32 146.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001999 6596 748.4 UdeM00000001999 XP_045195549.1 77.4 446
97 2 1 445 1 443 5.20E-213 748.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000002000 6596 840.1 UdeM00000002000 XP_045195108.1 49.5 1187
469 27 1 1149 1 1095 3.30E-240 840.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002001 6565 134 UdeM00000002001 XP_022299727.1 50 134
 66 1 29 162 145 277 1.90E-28 134 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002002 6596 458.4 UdeM00000002002 XP_045190515.1 32.6 973
 534 28 281 1226 1100 1977 2.90E-125 458.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002003 6596 602.4 UdeM00000002003 XP_045190527.1 48.7 622
 313 3 1 621 36 652 6.40E-169 602.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002004 29159 243 UdeM00000002004 XP_034322429.1 29 637
 211 7 4 403 1 633 1.20E-60 243 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002005 6596 226.9 UdeM00000002005 XP_045204261.1 41.3 276
 150 6 6 276 39 307 3.30E-56 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002006 6596 232.3 UdeM00000002006 XP_045202146.1 46.7 242
 112 3 45 272 77 315 7.70E-58 232.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002007 6596 232.3 UdeM00000002007 XP_045202146.1 46.7 242
 112 3 46 273 77 315 7.80E-58 232.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002008 6579 856.3 UdeM00000002008 XP_033756903.1 76.1 876
 209 0 16 891 1 876 3.50E-245 856.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002009 400727 984.2 UdeM00000002009 XP_025095839.1 78.5
 873 188 0 6 878 3 875 1.10E-283 984.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000002010 400727 986.5 UdeM00000002010 XP_025095839.1 78.6
 877 186 1 1 877 1 875 2.20E-284 986.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002012 6596 213.8 UdeM00000002012 XP_045189306.1 66.4 152
 51 0 5 156 6 157 1.70E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000002013 6596 197.2 UdeM00000002013 XP_045189304.1 53.8 169
 76 2 1 167 1 169 1.70E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000002014 6596 287.7 UdeM00000002014 XP_045173426.1 51.1 266
 120 4 7 264 6 269 1.50E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000002015 6596 270.4 UdeM00000002015 XP_045173426.1 48.4 248
 122 3 19 260 22 269 2.40E-69 270.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000002016 6565 363.2 UdeM00000002016 XP_022289852.1 43.1 501
 256 11 11 497 8 493 5.30E-97 363.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002017 1735272 387.5 UdeM00000002017 XP_041368165.1 48.1
 1102 567 2 3 1099 2 1103 5.70E-104 387.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pelto-
 spiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002018 6565 144.1 UdeM00000002018 XP_022343804.1 53 217
 101 1 14 229 25 241 2.30E-31 144.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002019 27405 75.1 UdeM00000002019 XP_042874304.1 34.4 122
 64 3 153 260 199 318 1.50E-10 75.1 27405 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul-
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat-
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus japonicus
 UdeM00000002021 6596 687.2 UdeM00000002021 XP_045177521.1 62.4 651
 202 6 62 670 454 1103 2.10E-194 687.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002020 6596 1233 UdeM00000002020 XP_045177521.1 61.4 1116
369 11 1 1067 1 1103 0.00E+00 1233 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002022 6596 953.4 UdeM00000002022 XP_045177521.1 60.7 898
291 11 1 849 1 885 2.00E-274 953.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002023 6579 191.8 UdeM00000002023 XP_033757264.1 34.7 430
252 14 5 419 18 433 2.10E-45 191.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002024 6579 450.7 UdeM00000002024 XP_033757412.1 53.3 448
208 1 21 468 6 452 3.70E-123 450.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002025 6596 2055.8 UdeM00000002025 XP_045188105.1 58.9
1984 684 13 365 2232 1039 3007 0.00E+00 2055.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002026 6596 957.2 UdeM00000002026 XP_045188105.1 63.4 796
197 8 1 716 256 1037 1.20E-275 957.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002027 6596 466.1 UdeM00000002027 XP_045188105.1 74.5 310
69 3 1 309 1 301 3.50E-128 466.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002028 6596 427.9 UdeM00000002028 XP_045188105.1 80.4 255
49 1 1 255 1 254 8.80E-117 427.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002029 6579 302.4 UdeM00000002029 XP_033756003.1 61.3 248
95 1 23 269 1 248 5.90E-79 302.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000002030 29159 258.8 UdeM00000002030 XP_034328347.1 42 348
184 5 1 346 1 332 1.10E-65 258.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000002031 29159 267.7 UdeM00000002031 XP_034328346.1 41.1 336
187 2 1 336 1 325 2.20E-68 267.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000002032 29159 515 UdeM00000002032 XP_011426140.1 72.3 382
93 5 1 379 1 372 8.40E-143 515 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000002033 1735272 257.3 UdeM00000002033 XP_041369094.1 27.5
724 421 15 1 719 1 625 6.00E-65 257.3 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis

UdeM00000002034 6596 100.9 UdeM00000002034 XP_045189611.1 44.7 114
60 2 454 566 629 740 5.50E-18 100.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000002035 6596 100.9 UdeM00000002035 XP_045189611.1 44.7 114
60 2 420 532 629 740 5.10E-18 100.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000002038 6596 90.1 UdeM00000002038 XP_045189611.1 49.4 77
37 1 6 80 8 84 1.60E-15 90.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000002039 6565 211.5 UdeM00000002039 XP_022321940.1 22.9 686
480 11 4 646 6 685 3.30E-51 211.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000002040 6596 65.9 UdeM00000002040 XP_045206071.1 39.2 74
44 1 52 125 689 761 4.80E-08 65.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000002041 29159 143.7 UdeM00000002041 XP_034317706.1 31.2 250
160 4 12 261 18 255 6.20E-31 143.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002042 6565 232.6 UdeM00000002042 XP_022343730.1 49.7 288
121 10 2 272 38 318 6.10E-58 232.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000002043 7574 727.6 UdeM00000002043 XP_013409497.1 42 1010
566 8 1 995 791 1795 2.10E-206 727.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000002044 7574 118.6 UdeM00000002044 XP_013409495.1 40.8 142
84 0 15 156 879 1020 7.00E-24 118.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000002045 1735272 413.3 UdeM00000002045 XP_041370390.1 61.7
347 128 3 96 439 1465 1809 3.90E-112 413.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000002046 70779 85.9 UdeM00000002046 XP_015752579.1 45.8 83
42 1 47 126 18 100 4.40E-14 85.9 70779 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera
UdeM00000002047 29159 82 UdeM00000002047 XP_011425447.2 48.6 72
36 1 13 84 158 228 4.20E-13 82 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002048 400682 201.1 UdeM00000002048 XP_019849765.1 47.8
184 83 3 71 243 533 714 1.70E-48 201.1 400682
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
UdeM00000002049 400682 177.6 UdeM00000002049 XP_019849765.1 44.4
178 87 2 535 702 537 712 5.80E-41 177.6 400682
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
UdeM00000002050 48498 153.7 UdeM00000002050 XP_020611730.1 61.2 103
40 0 48 150 31 133 2.00E-34 153.7 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000002052 7725 149.4 UdeM00000002052 XP_039258617.1 53.5 127
55 2 6 128 174 300 3.10E-33 149.4 7725 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
clava

UdeM00000002051 146911 183.7 UdeM00000002051 XP_015282965.1 36.4
 297 146 11 12 279 7 289 3.30E-43 183.7 146911
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Gekkota;Gekkonidae;Gekkoninae;Gekko;Gekko
 japonicus
 UdeM00000002053 51298 90.5 UdeM00000002053 XP_036178578.1 55.4 74
 32 1 1 73 399 472 9.90E-16 90.5 51298 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Chiroptera;Microchiroptera;Vespertilionidae
 ;Myotis;Myotis myotis
 UdeM00000002055 6573 456.8 UdeM00000002055 XP_021358892.1 32.5 822
 532 12 124 926 205 1022 7.20E-125 456.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002056 400727 267.7 UdeM00000002056 XP_025094638.1 32.6
 576 304 13 118 615 258 827 4.90E-68 267.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002056 400727 196.1 UdeM00000002056 XP_025094638.1 50.5
 200 94 3 623 820 2196 2392 1.80E-46 196.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002058 6565 771.9 UdeM00000002058 XP_022335825.1 34 1367
 851 23 395 1743 271 1604 1.70E-219 771.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002059 6565 762.7 UdeM00000002059 XP_022335825.1 34.1 1339
 834 21 412 1733 298 1604 1.00E-216 762.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002060 6573 216.9 UdeM00000002060 XP_021358892.1 30.4 477
 238 11 1 386 1301 1774 4.70E-53 216.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002061 6573 215.3 UdeM00000002061 XP_021358892.1 30.5 472
 234 11 1 381 1306 1774 1.40E-52 215.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002062 6596 103.6 UdeM00000002062 XP_045190676.1 45.8 131
 69 2 1 130 643 772 2.20E-19 103.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002063 6596 444.1 UdeM00000002063 XP_045190678.1 43.4 539
290 8 1 527 601 1136 2.40E-121 444.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002064 6596 184.5 UdeM00000002064 XP_045202545.1 49 202
77 5 10 186 10 210 1.20E-43 184.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002065 6596 225.3 UdeM00000002065 XP_045188256.1 34.5 438
178 9 8 355 122 540 1.60E-55 225.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002066 7897 100.5 UdeM00000002066 XP_014349537.1 45.3 106
57 1 7 112 32 136 1.40E-18 100.5 7897 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Coelacanthimorpha;Coelacanthiformes;Coelacanthidae;Latimeria;Latimeria chalumnae

UdeM00000002067 6596 542.7 UdeM00000002067 XP_045188256.1 51.3 546
239 8 3 540 78 604 6.80E-151 542.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002070 6565 70.1 UdeM00000002070 XP_022337731.1 47 83
43 1 56 138 128 209 2.50E-09 70.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002072 6596 263.8 UdeM00000002072 XP_045190673.1 40.9 413
215 9 475 877 408 801 7.60E-67 263.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002073 6565 726.1 UdeM00000002073 XP_022339595.1 33.2 1300
771 21 14 1235 607 1886 7.70E-206 726.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002074 6596 510 UdeM00000002074 XP_045190678.1 46.1 601
306 9 18 610 546 1136 4.20E-141 510 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002076 7668 95.5 UdeM00000002076 XP_030845845.1 54.1 74
34 0 1 74 168 241 4.00E-17 95.5 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000002077 6596 520.8 UdeM00000002077 XP_045190515.1 30.1 1420
801 45 17 1382 690 1972 5.40E-144 520.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002078 7574 116.3 UdeM00000002078 XP_013388573.1 39.6 182
92 6 82 262 349 513 6.60E-23 116.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000002079 7574 226.1 UdeM00000002079 XP_013388573.1 40.4 314
184 2 4 317 629 939 6.40E-56 226.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000002080 6596 436.8 UdeM00000002080 XP_045188729.1 32.5 947
534 26 245 1168 870 1734 8.70E-119 436.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002083 1735272 87 UdeM00000002083 XP_041347204.1 33.8
160 89 7 1 157 346 491 2.40E-14 87 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002082 1735272 135.6 UdeM00000002082 XP_041347204.1 31.7
300 159 12 2 270 207 491 9.90E-29 135.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002084 6945 62.4 UdeM00000002084 XP_040078187.1 28.7 122
86 1 51 171 33 154 2.00E-06 62.4 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000002085 6945 62.4 UdeM00000002085 XP_040078187.1 28.7 122
86 1 51 171 33 154 2.00E-06 62.4 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000043667 6596 69.3 UdeM00000043667 XP_045183837.1 39.4 104
58 2 46 145 239 341 8.00E-09 69.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043670 6596 70.1 UdeM00000043670 XP_045183837.1 38.5 104
59 2 46 145 239 341 3.50E-09 70.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030989 6596 364.4 UdeM00000030989 XP_045161155.1 49.4 336
167 1 31 363 123 458 1.70E-97 364.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030990 6596 170.2 UdeM00000030990 XP_045163223.1 72.6 113
27 1 1 113 1 109 1.50E-39 170.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030991 6596 69.7 UdeM00000030991 XP_045162944.1 47.6 82
27 3 159 231 141 215 5.50E-09 69.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030992 6596 1066.2 UdeM00000030992 XP_045163002.1 53
972 439 10 17 983 17 975 2.40E-308 1066.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030993 6579 135.6 UdeM00000030993 XP_033763141.1 42.6 195
108 2 14 205 10 203 7.50E-29 135.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030994 6596 204.1 UdeM00000030994 XP_045173066.1 35.9 312
189 7 44 348 46 353 2.80E-49 204.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030995 6579 1055.4 UdeM00000030995 XP_033763055.1 51
1224 493 28 1 1148 1 1193 5.00E-305 1055.4 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030996 6573 318.5 UdeM00000030996 XP_021366944.1 51.7 294
137 4 8 297 7 299 8.80E-84 318.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000030997 6596 682.2 UdeM00000030997 XP_045164027.1 53.8 613
271 5 45 651 27 633 6.60E-193 682.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030999 7719 197.6 UdeM00000030999 XP_004227365.1 52.8 161
76 0 4 164 2 162 1.20E-47 197.6 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
intestinalis
UdeM00000031000 7719 197.6 UdeM00000031000 XP_004227365.1 52.8 161
76 0 6 166 2 162 1.30E-47 197.6 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
intestinalis
UdeM00000031001 6596 463.4 UdeM00000031001 XP_045200982.1 70.2 299
87 1 4 300 6 304 2.80E-127 463.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031002 6596 901.4 UdeM00000031002 XP_045200982.1 49.6 932
460 7 4 930 6 932 1.00E-258 901.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031003 6579 80.5 UdeM00000031003 XP_033754238.1 63.2 57
21 0 59 115 72 128 1.60E-12 80.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031004 29159 84 UdeM00000031004 XP_034326245.1 25.8 236
161 4 262 484 32 266 6.20E-13 84 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000031005 6565 123.6 UdeM00000031005 XP_022329668.1 32 375
208 8 14 347 7 375 5.00E-25 123.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000031006 6565 123.6 UdeM00000031006 XP_022329668.1 32.5 375
205 9 14 346 7 375 5.00E-25 123.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000031007 218467 103.2 UdeM00000031007 XP_023212519.1 53.6
97 44 1 1 97 1 96 1.90E-19 103.2 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000031008 1529436 442.6 UdeM00000031008 XP_033120141.1 58.1
389 152 5 41 427 1154 1533 5.80E-121 442.6 1529436

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica

UdeM00000031009 6573 102.1 UdeM00000031009 XP_021365717.1 32.4 173
111 6 28 198 182 350 8.80E-19 102.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031010 41139 126.3 UdeM00000031010 XP_044759447.1 31.4 277
180 6 92 361 13 286 8.00E-26 126.3 41139 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Cucujoidea;Coccinellidae;Coccinellinae;Coccinellini;Coccinella;C
occinella septempunctata

UdeM00000031014 6596 599.4 UdeM00000031014 XP_045162694.1 85 346
51 1 1 345 1 346 3.10E-168 599.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031015 6596 101.3 UdeM00000031015 XP_045181277.1 30.9 207
111 5 111 315 143 319 2.40E-18 101.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031016 6596 112.5 UdeM00000031016 XP_045176094.1 40.9 154
82 6 62 211 119 267 6.90E-22 112.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031017 6596 580.9 UdeM00000031017 XP_045199719.1 42.2 733
406 11 3 727 67 789 2.80E-162 580.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031018 6579 227.3 UdeM00000031018 XP_033729693.1 54.4 193
85 3 1 190 68 260 2.00E-56 227.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031019 6596 229.2 UdeM00000031019 XP_045172944.1 49.8 263
106 5 1 257 1 243 6.00E-57 229.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031020 50429 168.3 UdeM00000031020 XP_022802642.1 75.8 99
 24 0 1 99 1 99 8.10E-39 168.3 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000031021 6596 627.1 UdeM00000031021 XP_045199719.1 41.7 809
 451 14 25 824 24 820 3.20E-176 627.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031023 6596 543.5 UdeM00000031023 XP_045199719.1 39.9 737
 432 9 21 753 28 757 4.30E-151 543.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031024 6596 668.3 UdeM00000031024 XP_045199719.1 42 833
 450 11 25 845 24 835 1.30E-188 668.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031025 116150 114.4 UdeM00000031025 XP_039753516.1 41.1
 163 82 3 16 171 26 181 1.90E-22 114.4 116150
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoide
 a;Nymphalidae;Satyrinae;Satyrini;Parargina;Pararge;Pararge aegeria
 UdeM00000031026 6579 117.9 UdeM00000031026 XP_033764248.1 39 182
 85 4 15 192 19 178 1.70E-23 117.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031027 6596 127.1 UdeM00000031027 XP_045163831.1 34.7 268
 150 8 3 259 20 273 3.30E-26 127.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031028 6573 272.7 UdeM00000031028 XP_021366482.1 63.6 217
 79 0 1 217 1 217 4.20E-70 272.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031029 6500 180.6 UdeM00000031029 XP_005103007.1 61.2 129
 50 0 44 172 40 168 1.80E-42 180.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000031030 29159 177.6 UdeM00000031030 XP_011427968.2 55.9 152
 63 3 1 148 1 152 1.20E-41 177.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031032 9371 59.7 UdeM00000031032 XP_045155162.1 49 51
 24 1 273 321 124 174 7.90E-06 59.7 9371 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Afrotheria;Tenrecidae;Tenrecinae;Echinops;Echinops telfairi
 UdeM00000031033 9371 59.7 UdeM00000031033 XP_045155162.1 49 51
 24 1 322 370 124 174 9.10E-06 59.7 9371 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Afrotheria;Tenrecidae;Tenrecinae;Echinops;Echinops telfairi
 UdeM00000031034 6596 893.3 UdeM00000031034 XP_045161992.1 43.1 1147
 576 20 18 1116 33 1150 3.30E-256 893.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031035 6596 912.5 UdeM00000031035 XP_045161992.1 43.8 1149
 592 21 18 1143 33 1150 5.40E-262 912.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031036 6596 1176.4 UdeM00000031036 XP_045161096.1 52.9
 1192 444 11 18 1106 1 1177 0.00E+00 1176.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031037 6596 1170.2 UdeM00000031037 XP_045161096.1 52.8
 1192 444 12 18 1105 1 1177 0.00E+00 1170.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031038 1735272 406.8 UdeM00000031038 XP_041377672.1 48
 508 205 9 76 577 77 531 4.80E-110 406.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031039 1735272 715.7 UdeM00000031039 XP_041377672.1 68.4
 506 159 1 228 733 532 1036 6.20E-203 715.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000031040 94885 105.1 UdeM00000031040 XP_034274523.1 62.1 87
 30 1 6 89 61 147 4.60E-20 105.1 94885 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc-
 opterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Sauropsida; Sauria; Lepido-
 sauria; Squamata; Bifurcata; Unidentata; Episquamata; Toxicofera; Serpentes; Col-
 ubroidea; Colubridae; Colubrinae; Pantherophis; Pantherophis guttatus
 UdeM00000031041 37653 439.5 UdeM00000031041 XP_014789344.1 37.3 684
 413 7 3 676 4 681 7.80E-120 439.5 37653 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct-
 opoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
 UdeM00000033685 7574 131.3 UdeM00000033685 XP_013418753.1 63.9 97
 33 1 156 250 66 162 1.70E-27 131.3 7574 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin-
 guloidea; Lingulidae; Lingula; Lingula anatina
 UdeM00000033686 6579 1133.2 UdeM00000033686 XP_033727362.1 60.7
 937 364 2 1 934 1 936 0.00E+00 1133.2 6579
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000033687 29159 626.7 UdeM00000033687 XP_011446826.2 62.7 453
 169 0 37 489 37 489 2.60E-176 626.7 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000033688 6596 561.6 UdeM00000033688 XP_045205741.1 52.8 631
 270 4 2 631 29 632 1.30E-156 561.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000033689 6565 341.3 UdeM00000033689 XP_022306197.1 53.8 320
 104 2 98 373 363 682 1.60E-90 341.3 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000033690 6596 560.5 UdeM00000033690 XP_045205741.1 53.3 615
 275 4 2 615 29 632 2.70E-156 560.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000033691 6596 568.2 UdeM00000033691 XP_045205741.1 54.2 611
 267 5 6 615 34 632 1.30E-158 568.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000033692 6565 78.6 UdeM00000033692 XP_022323426.1 32.3 161
 101 3 19 177 19 173 9.10E-12 78.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033693 6565 89 UdeM00000033693 XP_022323426.1 31.8 173
 116 2 1 171 1 173 6.50E-15 89 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033694 6596 93.2 UdeM00000033694 XP_045182675.1 29.8 168
 116 2 6 171 5 172 3.40E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033695 6596 213.4 UdeM00000033695 XP_045181502.1 96.4 112
 4 0 1 112 1 112 1.60E-52 213.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033696 29159 933.3 UdeM00000033696 XP_034323329.1 67.2 725
 220 8 1 715 1 717 1.80E-268 933.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033697 400727 145.6 UdeM00000033697 XP_025089755.1 41.4
 181 102 1 15 195 17 193 7.00E-32 145.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000033699 125878 156 UdeM00000033699 XP_018411046.1 69.5
 105 31 1 19 122 27 131 3.10E-35 156 125878
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Ranoidea;Dicroglossidae;Dicroglossinae;Nanorana;Nanorana parkeri
 UdeM00000033698 125878 156 UdeM00000033698 XP_018411046.1 69.5
 105 31 1 42 145 27 131 3.70E-35 156 125878
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Ranoidea;Dicroglossidae;Dicroglossinae;Nanorana;Nanorana parkeri
 UdeM00000033700 7739 845.9 UdeM00000033700 XP_035659512.1 88.5 462
 52 1 1 462 1 461 2.40E-242 845.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000033702 6596 612.5 UdeM00000033702 XP_045161437.1 76.1 377
 90 0 43 419 43 419 4.80E-172 612.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033704 6573 439.1 UdeM00000033704 XP_021360119.1 43.1 552
 297 7 14 550 3 552 8.20E-120 439.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033705 6596 212.2 UdeM00000033705 XP_045181873.1 87.8 115
 14 0 2 116 3 117 4.00E-52 212.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033706 6573 233.8 UdeM00000033706 XP_021365243.1 67.3 223
 60 7 1 213 1 220 2.00E-58 233.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033707 46514 157.1 UdeM00000033707 XP_038073561.1 51.5 134
 65 0 2 135 17 150 1.50E-35 157.1 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000033708 6579 606.3 UdeM00000033708 XP_033739131.1 57.3 508
 197 4 1 489 864 1370 3.50E-170 606.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033710 6596 261.9 UdeM00000033710 XP_045182024.1 61.3 212
 78 2 2 210 3 213 7.50E-67 261.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033711 6596 301.6 UdeM00000033711 XP_045182024.1 64.3 235
 72 2 48 271 257 490 1.00E-78 301.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033712 202533 261.2 UdeM00000033712 XP_035218957.1 48.9
 276 140 1 179 454 107 381 2.50E-66 261.2 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000033713 29159 244.2 UdeM00000033713 XP_011447953.2 78 150
 33 0 1 150 1 150 1.10E-61 244.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033714 29159 115.5 UdeM00000033714 XP_011447959.2 29 359
 216 13 3 351 33 362 1.40E-22 115.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033715 6596 753.8 UdeM00000033715 XP_045182686.1 44.1 1123
 424 37 102 1113 20 1049 3.00E-214 753.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033717 6596 114.4 UdeM00000033717 XP_045188183.1 35.1 174
 94 2 42 215 89 243 3.50E-22 114.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033718 6573 255 UdeM00000033718 XP_021377872.1 27.9 681
 439 21 1 665 1 645 2.70E-64 255 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033719 6573 140.2 UdeM00000033719 XP_021354369.1 50 132
 61 2 308 436 460 589 6.40E-30 140.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033720 6573 139.8 UdeM00000033720 XP_021354369.1 50 132
 61 2 308 436 460 589 8.30E-30 139.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033721 6565 204.1 UdeM00000033721 XP_022287001.1 55.4 175
 76 1 156 328 69 243 2.90E-49 204.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033722 6565 222.6 UdeM00000033722 XP_022287001.1 51 208
 99 2 156 361 69 275 7.90E-55 222.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033723 6596 290 UdeM00000033723 XP_045177776.1 30.7 641
 259 9 1 626 405 875 7.00E-75 290 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033724 6596 90.5 UdeM00000033724 XP_045191531.1 37.6 125
 71 2 1 120 807 929 4.70E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033725 150288 210.7 UdeM00000033725 XP_020788097.1 69.3
 127 39 0 2 128 439 565 1.10E-51 210.7 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000033726 6596 135.6 UdeM00000033726 XP_045216906.1 30.5 282
 103 5 4 192 175 456 7.00E-29 135.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033727 29159 150.2 UdeM00000033727 XP_034318217.1 55.8 120
 52 1 1 119 755 874 1.70E-33 150.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033728 6596 363.6 UdeM00000033728 XP_045177776.1 36.3 571
 286 8 1 532 405 936 6.10E-97 363.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044422 3055 364 UdeM00000044422 XP_001702748.1 56 323
 141 1 1 323 29 350 2.00E-97 364 3055 cellular
 organisms;Eukaryota;Viridiplantae;Chlorophyta;core
 chlorophytes;Chlorophyceae;CS
 clade;Chlamydomonadales;Chlamydomonadaceae;Chlamydomonas;Chlamydomonas
 reinhardtii
 UdeM00000044423 69820 615.9 UdeM00000044423 XP_022836162.1 61.3 478
 179 3 5 479 5 479 4.30E-173 615.9 69820 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;N
 octuidae;Amphipyrrinae;Spodoptera;Spodoptera litura
 UdeM00000044424 294128 331.6 UdeM00000044424 XP_018027785.1 55.7
 314 136 2 4 314 25 338 1.10E-87 331.6 294128
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Peracarida;Amphipoda;Senticaudata
 ;Talitrida;Talitroidea;Hyalellidae;Hyalella;Hyalella azteca
 UdeM00000044343 6596 89.7 UdeM00000044343 XP_045186357.1 65.1 63
 22 0 17 79 523 585 1.80E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044344 6565 181.8 UdeM00000044344 XP_022337131.1 44 250
 113 5 28 277 2 224 1.20E-42 181.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043257 29159 63.2 UdeM00000043257 XP_034305617.1 44.3 61
32 1 3 63 97 155 1.90E-07 63.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043258 6579 153.3 UdeM00000043258 XP_033728059.1 52.3 149
68 1 1 149 1066 1211 2.50E-34 153.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043259 6596 187.2 UdeM00000043259 XP_045177776.1 36.6 333
181 9 1 329 405 711 3.90E-44 187.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000043260 6596 181.4 UdeM00000043260 XP_045188183.1 41.3 235
133 4 6 238 3 234 5.10E-42 181.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000043261 6596 289.7 UdeM00000043261 XP_045177779.1 36.3 416
249 9 4 415 394 797 1.50E-74 289.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000043262 7054 221.9 UdeM00000043262 XP_031333698.1 37.8 336
140 5 63 337 321 648 1.30E-54 221.9 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
UdeM00000043263 46514 67.4 UdeM00000043263 XP_038065173.1 49.4 77
35 2 5 77 8 84 9.20E-09 67.4 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As terinidae;Patiria;Patiria miniata
UdeM00000043265 6596 190.7 UdeM00000043265 XP_045182317.1 35.1 370
178 6 16 326 261 627 3.40E-45 190.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000043267 6596 188.7 UdeM00000043267 XP_045191793.1 35 357
198 8 1 349 258 588 1.50E-44 188.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000017129 189513 102.8 UdeM00000017129 XP_044736929.1 29.7
 249 136 11 414 659 135 347 1.90E-18 102.8 189513
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Neuropterida;Neuroptera;H
 emerobiiiformia;Chrysopidae;Chrysopinae;Chrysoperla;Chrysoperla carnea
 UdeM00000017130 6573 1508.8 UdeM00000017130 XP_021341468.1 51.7
 1544 712 12 5 1525 17 1550 0.00E+00 1508.8 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017131 6596 680.6 UdeM00000017131 XP_045207510.1 60.2 583
 228 2 5 584 639 1220 1.70E-192 680.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017132 6573 797.3 UdeM00000017132 XP_021341468.1 47.5 886
 442 8 7 870 19 903 1.90E-227 797.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017133 6596 85.5 UdeM00000017133 XP_045196953.1 21.8 774
 483 33 19 717 20 746 3.00E-13 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017134 6596 85.5 UdeM00000017134 XP_045196953.1 21.8 774
 483 33 30 728 20 746 3.10E-13 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017136 6565 88.2 UdeM00000017136 XP_022313678.1 25.3 379
 227 16 335 683 145 497 4.70E-14 88.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017135 6565 88.2 UdeM00000017135 XP_022313678.1 25.3 379
 227 16 338 686 145 497 4.70E-14 88.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017137 6565 474.6 UdeM00000017137 XP_022337291.1 39.9 711
 401 13 2 701 58 753 2.40E-130 474.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017139 6565 557.4 UdeM00000017139 XP_022337291.1 41.1 791
 438 13 34 814 58 830 3.40E-155 557.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017140 6596 532.3 UdeM00000017140 XP_045167151.1 44.5 721
380 11 24 734 84 794 1.00E-147 532.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017141 6596 715.7 UdeM00000017141 XP_045163747.1 64.4 564
183 4 46 606 88 636 5.00E-203 715.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017142 6596 715.7 UdeM00000017142 XP_045163747.1 64.4 564
183 4 62 622 88 636 5.20E-203 715.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017143 6596 98.6 UdeM00000017143 XP_045196953.1 20.9 791
504 28 23 754 18 745 3.60E-17 98.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017144 6596 84 UdeM00000017144 XP_045193866.1 23.2 725
442 30 71 737 22 689 9.60E-13 84 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017145 6596 84 UdeM00000017145 XP_045193866.1 32.1 262
140 11 86 324 384 630 5.20E-13 84 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017148 225164 125.6 UdeM00000017148 XP_009051919.1 58.6
111 43 2 4 111 34 144 4.40E-26 125.6 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000017147 225164 186 UdeM00000017147 XP_009051919.1 61.8
144 54 1 14 156 1 144 3.80E-44 186 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000017149 6596 133.7 UdeM00000017149 XP_045196953.1 23.7 807
477 30 17 763 18 745 1.00E-27 133.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017150 6573 171 UdeM00000017150 XP_021368552.1 52.1 169
 81 0 1 169 1 169 1.30E-39 171 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017151 6596 262.7 UdeM00000017151 XP_045185723.1 43.7 325
 167 4 7 331 455 763 6.30E-67 262.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017154 6579 652.9 UdeM00000017154 XP_033748227.1 73.7 419
 109 1 22 439 55 473 2.90E-184 652.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017155 29159 251.5 UdeM00000017155 XP_011418327.2 67.3 171
 56 0 1 171 1 171 7.60E-64 251.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017156 6565 335.9 UdeM00000017156 XP_022342034.1 52.9 361
 144 7 3 353 2 346 9.00E-89 335.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017157 6596 194.1 UdeM00000017157 XP_045172235.1 56.7 208
 79 3 12 219 2 198 1.80E-46 194.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017158 6596 173.7 UdeM00000017158 XP_045172235.1 56.7 187
 70 3 12 198 2 177 2.40E-40 173.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017159 6596 344.7 UdeM00000017159 XP_045172778.1 77.7 215
 48 0 40 254 5 219 9.80E-92 344.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017160 6596 344 UdeM00000017160 XP_045172778.1 78 214
 47 0 1 214 6 219 1.40E-91 344 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017161 386614 201.1 UdeM00000017161 XP_032906139.1 37.8
 291 174 1 12 302 15 298 2.10E-48 201.1 386614

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
UdeM00000017162 29159 72.4 UdeM00000017162 XP_034330259.1 47.9 71
35 1 1 71 213 281 2.90E-10 72.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017163 6596 270.4 UdeM00000017163 XP_045159778.1 50.6 253
123 2 11 262 4 255 2.50E-69 270.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017164 6596 444.9 UdeM00000017164 XP_045159777.1 57.9 366
147 2 1 366 52 410 1.00E-121 444.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017165 6596 133.7 UdeM00000017165 XP_045159778.1 62.7 102
38 0 43 144 266 367 2.00E-28 133.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017167 400727 146 UdeM00000017167 XP_025115998.1 29.9
364 233 8 8 357 505 860 9.40E-32 146 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000017173 6596 77.4 UdeM00000017173 XP_045202427.1 28.4 190
112 6 69 246 539 716 2.80E-11 77.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017174 6573 133.7 UdeM00000017174 XP_021362994.1 29.5 332
211 9 52 372 55 374 5.20E-28 133.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017175 6412 412.9 UdeM00000017175 XP_009012646.1 56 348
150 2 1 346 1 347 4.20E-112 412.9 6412 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
ssisiphiidae;Helobdella;Helobdella robusta
UdeM00000017178 10036 68.6 UdeM00000017178 XP_040602731.1 61.5 52
20 0 8 59 5 56 3.80E-09 68.6 10036 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria

;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Cricetidae;Cricetinae;Mesocricetus;Mesocricetus auratus

UdeM00000017179 6579 440.7 UdeM00000017179 XP_033748232.1 33.1 1161
606 30 1801 2895 1251 2306 1.50E-119 440.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017179 6579 58.5 UdeM00000017179 XP_033748232.1 60 45
18 0 43 87 7 51 1.60E-04 58.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017180 6596 374.8 UdeM00000017180 XP_045207388.1 34.8 909
513 28 326 1182 9 889 4.10E-100 374.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017181 6596 374.8 UdeM00000017181 XP_045207388.1 34.8 909
513 28 422 1278 9 889 4.50E-100 374.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017182 6596 130.6 UdeM00000017182 XP_045207393.1 41.2 160
87 4 38 192 21 178 2.20E-27 130.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017183 6596 276.9 UdeM00000017183 XP_045171339.1 51.9 237
112 2 1 236 117 352 2.40E-71 276.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017184 29159 282.3 UdeM00000017184 XP_011422571.2 74.7 178
45 0 1 178 282 459 4.20E-73 282.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017186 42526 157.9 UdeM00000017186 XP_036443704.1 68.2 107
34 0 2 108 44 150 7.40E-36 157.9 42526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;
Ostariophysi;Otophysi;Characiphysae;Characiformes;Characidae;Serrasalminidae;
Colossoma;Colossoma macropomum

UdeM00000021373 6596 574.7 UdeM00000021373 XP_045216588.1 53 566
231 6 1 549 2171 2718 1.70E-160 574.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021374 6596 1718.7 UdeM00000021374 XP_045216588.1 48.1
 1808 885 20 18 1802 348 2125 0.00E+00 1718.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021375 6596 176.4 UdeM00000021375 XP_045215148.1 30.1 342
 207 9 119 438 1 332 7.90E-41 176.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021376 6596 549.7 UdeM00000021376 XP_045216685.1 67.3 425
 135 1 118 538 112 536 4.20E-153 549.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021378 6573 353.6 UdeM00000021378 XP_021360512.1 74.8 234
 59 0 1 234 3 236 2.00E-94 353.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021379 6579 375.6 UdeM00000021379 XP_033749419.1 74.9 247
 62 0 1 247 3 249 5.10E-101 375.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021380 6596 91.3 UdeM00000021380 XP_045207772.1 40.2 132
 72 5 33 158 11 141 1.80E-15 91.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021381 6596 90.9 UdeM00000021381 XP_045207772.1 40.2 132
 72 5 7 132 11 141 2.00E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021382 6596 107.1 UdeM00000021382 XP_045181980.1 53.6 97
 42 2 303 399 285 378 5.60E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021383 6596 107.1 UdeM00000021383 XP_045181980.1 53.6 97
 42 2 297 393 285 378 5.50E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021384 6579 82 UdeM00000021384 XP_033750328.1 27.3 422
 232 14 23 427 2 365 2.00E-12 82 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021385 400727 275.8 UdeM00000021385 XP_025077216.1 42.9
 359 201 2 14 369 53 410 8.10E-71 275.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000021386 6579 1639.8 UdeM00000021386 XP_033749503.1 61.9
 1348 497 9 1 1333 1 1347 0.00E+00 1639.8 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021388 6573 146.7 UdeM00000021388 XP_021346093.1 40.5 215
 77 1 10 224 13 176 3.70E-32 146.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021387 6573 146 UdeM00000021387 XP_021346093.1 40.5 215
 77 1 11 225 13 176 6.30E-32 146 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021389 37621 145.6 UdeM00000021389 XP_014673981.1 46.8 171
 57 3 114 250 48 218 9.10E-32 145.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000021390 37621 211.8 UdeM00000021390 XP_014672567.1 51.7 174
 84 0 10 183 345 518 9.00E-52 211.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000021391 6573 498.4 UdeM00000021391 XP_021346091.1 45.3 656
 223 9 3 627 84 634 1.30E-137 498.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021394 6565 62 UdeM00000021394 XP_022287521.1 39.7 73
 44 0 2 74 313 385 4.90E-07 62 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021395 6579 242.7 UdeM00000021395 XP_033751024.1 38.7 426
 218 12 388 801 521 915 1.70E-60 242.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021396 6596 181 UdeM00000021396 XP_045156271.1 45.8 201
 99 2 23 213 25 225 1.60E-42 181 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021397 6596 295 UdeM00000021397 XP_045157060.1 43.5 331
177 3 65 389 46 372 1.50E-76 295 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021398 6596 215.7 UdeM00000021398 XP_045156445.1 53.3 199
92 1 4 201 70 268 6.30E-53 215.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021399 7574 105.9 UdeM00000021399 XP_013401097.1 53.6 112
51 1 6 117 544 654 3.60E-20 105.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000021400 6596 65.5 UdeM00000021400 XP_045202346.1 33 109
69 2 6 113 16 121 5.10E-08 65.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021401 6596 253.1 UdeM00000021401 XP_045183440.1 52.9 240
108 3 2 240 145 380 5.20E-64 253.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021402 114398 228.8 UdeM00000021402 XP_042903861.1 27.7
607 252 7 1 425 1 602 1.30E-56 228.8 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM00000021403 6596 231.9 UdeM00000021403 XP_045195710.1 51.4 220
107 0 43 262 36 255 1.10E-57 231.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021404 6579 282.3 UdeM00000021404 XP_033748359.1 45.8 319
170 2 13 328 378 696 1.10E-72 282.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021405 90988 171.4 UdeM00000021405 XP_039535177.1 25 608
393 16 43 600 28 622 3.50E-39 171.4 90988 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;
 Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinoides;
 Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
 UdeM00000021407 6573 783.1 UdeM00000021407 XP_021364536.1 83.6 432
 71 0 1 432 1 432 2.10E-223 783.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021409 6596 58.9 UdeM00000021409 XP_045195711.1 43.3 67
 36 1 15 81 1 65 3.50E-06 58.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021408 6596 281.6 UdeM00000021408 XP_045195711.1 51.1 278
 134 1 15 292 1 276 1.20E-72 281.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021411 6596 215.3 UdeM00000021411 XP_045195710.1 50 214
 107 0 3 216 71 284 7.80E-53 215.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021410 6596 267.3 UdeM00000021410 XP_045195711.1 48.9 272
 131 1 104 367 7 278 2.90E-68 267.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021412 6596 255.8 UdeM00000021412 XP_045195710.1 55.1 225
 94 1 15 232 35 259 6.20E-65 255.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021413 6565 155.6 UdeM00000021413 XP_022320952.1 47.3 186
 72 3 12 171 321 506 7.30E-35 155.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021414 37653 98.2 UdeM00000021414 XP_014784355.1 60 80
 31 1 34 112 429 508 9.60E-18 98.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000021415 37653 97.8 UdeM00000021415 XP_014784355.1 60 80
 31 1 33 111 429 508 1.20E-17 97.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000021416 29159 115.9 UdeM00000021416 XP_034322541.1 25.6 433
 242 19 58 453 203 592 1.40E-22 115.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021419 225164 123.6 UdeM00000021419 XP_009061770.1 40.6
 155 38 1 23 123 99 253 1.70E-25 123.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000021420 7462 78.6 UdeM00000021420 XP_031368538.1 31.2 144
 97 1 14 155 468 611 8.00E-12 78.6 7462 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Apoidea;Apidae;Apinae;Apini;Apis;Apis dorsata
 UdeM00000021422 6596 412.9 UdeM00000021422 XP_045180006.1 52.1 436
 177 3 2 408 1 433 4.80E-112 412.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021423 6596 362.5 UdeM00000021423 XP_045156265.1 41.9 511
 245 7 5 509 11 475 1.00E-96 362.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021424 6596 89 UdeM00000021424 XP_045156267.1 58 88
 32 3 71 154 100 186 6.00E-15 89 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021425 6596 511.1 UdeM00000021425 XP_045216984.1 81.9 287
 52 0 1 287 1 287 9.40E-142 511.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021426 7936 71.2 UdeM00000021426 XP_035277210.1 70.8 48
 13 1 3 50 2 48 8.00E-10 71.2 7936 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Anguilliformes;Anguillidae;Anguilla;Anguilla anguilla
 UdeM00000021427 45351 248.4 UdeM00000021427 XP_001631596.1 57.8 192
 81 0 18 209 64 255 7.80E-63 248.4 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000021429 6596 119 UdeM00000021429 XP_045216977.1 74.7 75
 14 1 17 86 2 76 3.20E-24 119 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021428 6596 148.3 UdeM00000021428 XP_045216977.1 88.2 76
9 0 1 76 1 76 4.40E-33 148.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021430 6596 562.4 UdeM00000021430 XP_045215956.1 53.3 598
152 12 1 589 1 480 6.90E-157 562.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021431 7574 235.3 UdeM00000021431 XP_013415139.1 49.2 254
116 4 1 241 1 254 7.90E-59 235.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000021432 130825 62.4 UdeM00000021432 XP_040846503.1 52.3
44 21 0 3 46 1 44 2.60E-07 62.4 130825

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Glires;Lagomorpha;Ochotonidae;Ochotona;Ochotona curzoniae

UdeM00000021433 6579 378.3 UdeM00000021433 XP_033750909.1 43.5 451
233 6 28 458 29 477 1.50E-101 378.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021434 6573 1753.4 UdeM00000021434 XP_021340399.1 70.4
1462 407 15 140 1577 130 1589 0.00E+00 1753.4 6573

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021436 6500 222.6 UdeM00000021436 XP_035824079.1 41.7 276
149 4 1 264 106 381 8.20E-55 222.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000021439 6579 163.3 UdeM00000021439 XP_033749843.1 30 526
285 16 22 496 28 521 7.90E-37 163.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021440 6596 141.4 UdeM00000021440 XP_045215567.1 61.6 99
38 0 9 107 261 359 1.20E-30 141.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021441 6596 138.7 UdeM00000021441 XP_045215434.1 34.1 211
 139 0 73 283 15 225 1.30E-29 138.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021442 6596 145.2 UdeM00000021442 XP_045215567.1 52.7 131
 60 1 5 135 136 264 8.70E-32 145.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021443 6596 163.7 UdeM00000021443 XP_045215567.1 54.1 135
 62 0 3 137 1 135 1.70E-37 163.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021444 6596 148.3 UdeM00000021444 XP_045216867.1 39.1 235
 120 6 11 232 35 259 1.20E-32 148.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021448 6596 716.1 UdeM00000021448 XP_045216892.1 68.7 504
 157 1 3 506 415 917 3.20E-203 716.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021447 6596 870.5 UdeM00000021447 XP_045216892.1 65.3 660
 198 3 79 737 288 917 1.50E-249 870.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021449 6565 156.4 UdeM00000021449 XP_022333402.1 80.9 94
 18 0 2 95 773 866 2.10E-35 156.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021450 6565 169.9 UdeM00000021450 XP_022297037.1 43.6 218
 116 3 6 218 11 226 3.70E-39 169.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021451 6596 186.4 UdeM00000021451 XP_045216892.1 52.4 185
 25 1 36 157 103 287 2.70E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021452 6596 127.9 UdeM00000021452 XP_045216209.1 43.6 179
 99 2 1 179 1 177 2.20E-26 127.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021454 6565 159.1 UdeM00000021454 XP_022328252.1 44.5 211
 99 5 1 193 1105 1315 5.80E-36 159.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021455 29159 1224.9 UdeM00000021455 XP_034322339.1 52.2
 1183 519 15 1 1144 142 1316 0.00E+00 1224.9
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021456 6596 120.6 UdeM00000021456 XP_045216209.1 42.9 175
 98 2 1 175 1 173 3.60E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021457 6596 118.2 UdeM00000021457 XP_045216209.1 35.9 220
 135 4 1 218 1 216 1.80E-23 118.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021458 42526 71.6 UdeM00000021458 XP_036431265.1 49.3 67
 33 1 13 79 87 152 7.60E-10 71.6 42526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiiformes;Characo
 idei;Serrasalminidae;Colossoma;Colossoma macropomum
 UdeM00000021459 6573 157.5 UdeM00000021459 XP_021368610.1 66.1 115
 39 0 11 125 12 126 1.60E-35 157.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021460 6565 401.7 UdeM00000021460 XP_022322482.1 47.5 438
 206 4 37 463 12 436 1.40E-108 401.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021461 6565 132.5 UdeM00000021461 XP_022299727.1 49.6 133
 66 1 4 136 140 271 4.20E-28 132.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021462 133901 162.2 UdeM00000021462 XP_026279040.1 59.8
 127 51 0 29 155 448 574 5.50E-37 162.2 133901
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;T
hripoidea;Thripidae;Thripinae;Frankliniella;Frankliniella occidentalis
UdeM00000021463 29159 888.3 UdeM00000021463 XP_034300520.1 53.1 892
397 5 34 922 443 1316 8.90E-255 888.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000021464 6573 287.7 UdeM00000021464 XP_021362287.1 41.8 335
185 5 25 356 30 357 2.00E-74 287.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000021465 6573 139 UdeM00000021465 XP_021345906.1 41.2 250
122 5 101 343 113 344 1.10E-29 139 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000021466 1735272 583.6 UdeM00000021466 XP_041367912.1 57.9
451 188 2 41 489 112 562 2.40E-163 583.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000021468 6573 260.4 UdeM00000021468 XP_021348468.1 64.3 199
70 1 1 199 42 239 1.90E-66 260.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000021469 6573 321.6 UdeM00000021469 XP_021348468.1 65.4 240
82 1 1 240 1 239 8.40E-85 321.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000021470 6573 149.8 UdeM00000021470 XP_021365617.1 49.1 173
85 2 2 174 178 347 3.30E-33 149.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000021471 8128 63.2 UdeM00000021471 XP_019206542.2 41.5 82
41 2 59 133 106 187 3.20E-07 63.2 8128 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
iformes;Cichlidae;African
cichlids;Pseudocrenilabrinae;Oreochromini;Oreochromis;Oreochromis
niloticus
UdeM00000021474 6579 275.8 UdeM00000021474 XP_033741736.1 54.9 244
108 1 1 242 614 857 5.60E-71 275.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000021473 6579 562 UdeM00000021473 XP_033741736.1 59.6 438
175 1 2 437 420 857 6.90E-157 562 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000021475 29159 241.1 UdeM00000021475 XP_019926412.2 53.4 238
100 3 1 235 1 230 1.40E-60 241.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000021476 6596 178.7 UdeM00000021476 XP_045216225.1 46 409
204 9 48 447 400 800 1.60E-41 178.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021477 6596 533.1 UdeM00000021477 XP_045216224.1 68.3 391
123 1 4 393 11 401 5.00E-148 533.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021478 6596 154.8 UdeM00000021478 XP_045215732.1 64.2 134
48 0 2 135 3 136 7.60E-35 154.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021479 6596 149.8 UdeM00000021479 XP_045215732.1 65.3 118
41 0 1 118 18 135 2.20E-33 149.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021481 6596 66.6 UdeM00000021481 XP_045215732.1 55.6 72
32 0 1 72 18 89 1.50E-08 66.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021482 6573 229.9 UdeM00000021482 XP_021362280.1 56.6 221
93 2 1 221 178 395 3.40E-57 229.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000021483 6596 189.1 UdeM00000021483 XP_045215725.1 66.7 138
45 1 31 167 24 161 4.50E-45 189.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021486 6596 3372.4 UdeM00000021486 XP_045215836.1 58.7
 3113 1117 47 103 3172 337 3323 0.00E+00 3372.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021487 29159 519.2 UdeM00000021487 XP_034325757.1 72.9 340
 85 3 1 339 1 334 3.90E-144 519.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021488 151771 485.7 UdeM00000021488 XP_028419301.1 54
 448 203 3 42 488 34 479 6.80E-134 485.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000021489 151771 65.9 UdeM00000021489 XP_028401094.1 37.5
 88 50 1 47 134 88 170 4.60E-08 65.9 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000021490 10224 111.3 UdeM00000021490 XP_006814936.1 37.1 170
 102 3 127 291 77 246 2.10E-21 111.3 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000021492 1735272 253.4 UdeM00000021492 XP_041362467.1 54.2
 264 107 6 1 255 1 259 3.00E-64 253.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021493 6596 259.6 UdeM00000021493 XP_045156669.1 55.1 234
 105 0 8 241 6 239 4.00E-66 259.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021494 400727 119.8 UdeM00000021494 XP_025076802.1 71.6
 88 23 1 41 128 69 154 2.60E-24 119.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000021495 1735272 585.5 UdeM00000021495 XP_041368677.1 79.7
 364 72 1 1 362 1 364 4.70E-164 585.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021496 6573 158.3 UdeM00000021496 XP_021358522.1 97.5 79
 2 0 1 79 1 79 4.10E-36 158.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021497 6596 1375.5 UdeM00000021497 XP_045156512.1 49.9
 1518 621 31 7 1438 355 1818 0.00E+00 1375.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021498 6596 219.5 UdeM00000021498 XP_045216916.1 51.7 205
 97 2 71 273 60 264 5.10E-54 219.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021499 6596 119.8 UdeM00000021499 XP_045204472.1 49.6 115
 51 2 5 115 3 114 3.10E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021501 6526 198.4 UdeM00000021501 XP_013096252.1 60 160
 63 1 11 169 16 175 7.50E-48 198.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000021500 29159 198.4 UdeM00000021500 XP_034322993.1 74 123
 32 0 67 189 52 174 8.40E-48 198.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021502 6596 510.4 UdeM00000021502 XP_045215251.1 46.3 557
 278 9 30 577 17 561 3.00E-141 510.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021503 6573 929.5 UdeM00000021503 XP_021377196.1 46.3 1090
 561 12 5 1085 1 1075 4.00E-267 929.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021504 6596 970.7 UdeM00000021504 XP_045216905.1 40.4 1380
 782 23 65 1420 2 1365 2.20E-279 970.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021505 6596 995 UdeM00000021505 XP_045216905.1 40.8 1377
 779 22 160 1517 2 1361 1.10E-286 995 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021507 6596 351.3 UdeM00000021507 XP_045156624.1 48.1 372
175 4 30 390 26 390 1.70E-93 351.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021508 6596 351.7 UdeM00000021508 XP_045156624.1 55.1 301
135 0 30 330 26 326 1.20E-93 351.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021509 6596 349 UdeM00000021509 XP_045156624.1 49.2 366
168 5 30 384 26 384 8.00E-93 349 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021510 6596 297.4 UdeM00000021510 XP_045156624.1 54.8 263
118 1 1 262 59 321 1.90E-77 297.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021513 6596 635.6 UdeM00000021513 XP_045156574.1 67.5 477
145 2 2 473 377 848 5.30E-179 635.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021514 6596 133.3 UdeM00000021514 XP_045156574.1 56.6 106
46 0 18 123 207 312 3.00E-28 133.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021515 29159 139.8 UdeM00000021515 XP_034324132.1 62.4 101
35 1 3 100 17 117 1.90E-30 139.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021516 6565 80.5 UdeM00000021516 XP_022330412.1 49.5 97
42 4 1 93 1 94 1.80E-12 80.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021517 6500 198.4 UdeM00000021517 XP_005094757.1 64.2 137
49 0 5 141 7 143 6.60E-48 198.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica
UdeM00000021518 6573 656.8 UdeM00000021518 XP_021360480.1 51.9 746
307 12 190 901 436 1163 4.10E-185 656.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000021519 6573 572 UdeM00000021519 XP_021371985.1 36.4 989
427 18 3 944 15 848 1.40E-159 572 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000021520 6579 438 UdeM00000021520 XP_033750349.1 44.1 555
197 5 68 620 5 448 2.10E-119 438 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000021521 6596 209.5 UdeM00000021521 XP_045216209.1 51.3 197
96 0 1 197 1 197 5.10E-51 209.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000021524 6573 96.7 UdeM00000021524 XP_021371671.1 56 91
38 2 39 128 62 151 2.40E-17 96.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000021525 29159 1024.2 UdeM00000021525 XP_011449960.1 78.1
622 136 0 1 622 1 622 6.80E-296 1024.2
29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000021526 6596 257.7 UdeM00000021526 XP_045172628.1 34.6 445
250 11 296 733 16 426 4.80E-65 257.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000021528 6565 168.3 UdeM00000021528 XP_022294204.1 38 213
127 3 8 217 600 810 1.10E-38 168.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000021529 1735272 126.7 UdeM00000021529 XP_041368228.1 31.7
303 185 8 2 287 439 736 8.30E-26 126.7 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopiridae; Gigantopelta; Gigantopelta aegis
UdeM00000021530 6579 735.3 UdeM00000021530 XP_033749673.1 78.6 579
104 3 167 745 151 709 8.10E-209 735.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000021531 6579 734.9 UdeM00000021531 XP_033749673.1 78.4 580
104 3 167 746 151 709 1.10E-208 734.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000021532 6596 924.5 UdeM00000021532 XP_045216318.1 56.4 904
353 8 1 887 1 880 1.30E-265 924.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021533 6579 263.1 UdeM00000021533 XP_033749210.1 70.6 180
48 1 2 176 1048 1227 2.70E-67 263.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000021534 1735272 342.4 UdeM00000021534 XP_041360632.1 41.4
500 256 13 1 490 1 473 9.40E-91 342.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis
UdeM00000021535 6596 760.8 UdeM00000021535 XP_045216565.1 84.6 455
62 6 1 448 1 454 1.00E-216 760.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021536 6596 746.5 UdeM00000021536 XP_045216566.1 86 450
56 5 1 443 1 450 1.90E-212 746.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021537 6573 1137.5 UdeM00000021537 XP_021346116.1 69.8
1027 276 8 1 1001 1 1019 0.00E+00 1137.5 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000021539 6596 422.2 UdeM00000021539 XP_045156650.1 63.2 351
110 6 7 338 21 371 6.40E-115 422.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021540 6596 542 UdeM00000021540 XP_045156643.1 60 462
174 5 6 457 14 474 7.50E-151 542 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021541 6596 224.6 UdeM00000021541 XP_045156638.1 69.1 149
 45 1 1 149 233 380 1.30E-55 224.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021542 6596 530 UdeM00000021542 XP_045156643.1 74.1 332
 85 1 30 361 31 361 2.80E-147 530 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021544 6596 221.9 UdeM00000021544 XP_045177916.1 50.2 213
 103 3 5 216 446 656 8.10E-55 221.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040755 321614 217.2 UdeM00000040755 XP_001806620.1 47.7
 243 121 5 16 253 116 357 2.40E-53 217.2 321614
 cellular
 organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Ascomycota;saccharomyceta;
 Pezizomycotina;leotiomyceta;dothideomyceta;Dothideomycetes;Pleosporomycet
 idae;Pleosporales;Pleosporineae;Phaeosphaeriaceae;Parastagonospora;Parast
 agonospora nodorum;Parastagonospora nodorum SN15
 UdeM00000043487 6596 500 UdeM00000043487 XP_045212781.1 61.9 436
 144 7 1 416 18 451 3.00E-138 500 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043488 6579 167.5 UdeM00000043488 XP_033731739.1 44.4 196
 72 1 4 162 183 378 1.40E-38 167.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043490 6596 639.4 UdeM00000043490 XP_045203777.1 51.3 581
 277 3 6 580 12 592 4.40E-180 639.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043491 6573 110.5 UdeM00000043491 XP_021352053.1 55.1 89
 38 1 1 87 113 201 1.10E-21 110.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043492 6596 585.9 UdeM00000043492 XP_045211712.1 77.2 369
 80 1 1 369 1 365 3.80E-164 585.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM000000443495 6596 380.2 UdeM000000443495 XP_045214167.1 76.3 236
 56 0 1 236 1 236 2.00E-102 380.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044366 6596 317.8 UdeM00000044366 XP_045201815.1 31.5 759
 443 18 77 795 64 785 4.00E-83 317.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044367 6596 126.3 UdeM00000044367 XP_045192805.1 42.2 147
 61 1 42 188 37 159 4.00E-26 126.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044368 6596 134 UdeM00000044368 XP_045201815.1 31.5 327
 180 8 1 314 4 299 3.20E-28 134 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044211 1735272 431 UdeM00000044211 XP_041351670.1 58.8
 354 142 2 22 375 20 369 1.50E-117 431 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000044212 6596 167.9 UdeM00000044212 XP_045196496.1 29.7 690
 396 13 168 843 55 669 5.40E-38 167.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040630 6596 530 UdeM00000040630 XP_045158043.1 45.8 618
 324 7 134 746 170 781 4.80E-147 530 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040631 29159 67 UdeM00000040631 XP_034315266.1 47.6 63
 33 0 26 88 237 299 4.70E-08 67 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040632 7906 203.4 UdeM00000040632 XP_034783111.1 58.9 168
 69 0 61 228 88 255 3.20E-49 203.4 7906 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipen
 seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000040634 6596 208.8 UdeM00000040634 XP_045170374.1 47.2 235
 118 2 2 230 279 513 7.70E-51 208.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040635 37621 156.8 UdeM00000040635 XP_014677368.1 44.9 207
 100 6 1 196 1 204 3.00E-35 156.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000040636 7741 98.6 UdeM00000040636 XP_019633208.1 31.3 182
 101 8 195 374 2715 2874 1.90E-17 98.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000040637 6596 119.8 UdeM00000040637 XP_045202346.1 38.8 152
 89 2 6 156 16 164 3.20E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040638 6596 82 UdeM00000040638 XP_045201969.1 39.5 157
 75 5 1 146 19 166 8.00E-13 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040639 6596 1434.5 UdeM00000040639 XP_045160921.1 37.2
 2089 1136 19 27 2099 114 2042 0.00E+00 1434.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040640 6596 718 UdeM00000040640 XP_045160921.1 31.8 1333
 787 11 1 1225 2849 4167 2.10E-203 718 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040642 6596 401.4 UdeM00000040642 XP_045158043.1 49.4 419
 208 3 4 421 366 781 1.50E-108 401.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040641 6596 533.9 UdeM00000040641 XP_045158043.1 46.1 618
 322 7 112 724 170 781 3.20E-148 533.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040643 29159 69.3 UdeM00000040643 XP_019929678.1 36.2 105
 58 2 48 152 200 295 9.40E-09 69.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040644 29159 105.5 UdeM00000040644 XP_034312519.1 71.4 77
 21 1 172 248 236 311 1.20E-19 105.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040646 6596 93.6 UdeM00000040646 XP_045208792.1 45 131
 64 4 1 125 1 129 2.30E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040647 6596 237.7 UdeM00000040647 XP_045160921.1 27.7 563
 401 4 1 562 3003 3560 3.70E-59 237.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040648 6596 515.4 UdeM00000040648 XP_045160921.1 36.3 780
 369 12 4 675 3589 4348 1.10E-142 515.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040649 6596 517.7 UdeM00000040649 XP_045158018.1 37.5 829
 466 16 131 942 465 1258 3.10E-143 517.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040650 7668 128.3 UdeM00000040650 XP_030851866.1 27.7 328
 177 13 184 485 1959 2252 3.50E-26 128.3 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000040651 7668 128.3 UdeM00000040651 XP_030851866.1 27.7 328
 177 13 184 485 1959 2252 3.40E-26 128.3 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000040652 1735272 124.8 UdeM00000040652 XP_041357850.1 50
 118 58 1 1 118 158 274 8.40E-26 124.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000040653 6596 914.1 UdeM00000040653 XP_045160921.1 40.2 1201
 705 10 1 1193 348 1543 1.90E-262 914.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040654 6596 920.2 UdeM00000040654 XP_045160921.1 32 1844
1120 36 1 1807 1563 3309 4.00E-264 920.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040655 6596 608.6 UdeM00000040655 XP_045160921.1 34.4 978
516 11 12 881 3359 4318 1.30E-170 608.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040656 6596 613.2 UdeM00000040656 XP_045158018.1 32 1264
785 26 24 1244 27 1258 7.20E-172 613.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044452 151771 395.6 UdeM00000044452 XP_028419301.1 57.3
337 142 2 42 378 34 368 7.20E-107 395.6 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000035651 400727 500 UdeM00000035651 XP_025093876.1 73.9
318 83 0 1 318 6 323 2.30E-138 500 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000035652 6579 493.4 UdeM00000035652 XP_033756773.1 74.3 315
81 0 6 320 5 319 2.10E-136 493.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035654 7574 101.3 UdeM00000035654 XP_013384015.1 49.2 120
59 2 6 125 186 303 1.50E-18 101.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000035655 6596 77 UdeM00000035655 XP_045173729.1 44 75
42 0 52 126 101 175 2.10E-11 77 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035656 6596 80.9 UdeM00000035656 XP_045173729.1 46.8 77
40 1 52 128 101 176 1.40E-12 80.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035657 225164 80.1 UdeM00000035657 XP_009051888.1 30.9
152 92 5 28 176 28 169 3.30E-12 80.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000035658 6596 78.6 UdeM00000035658 XP_045173729.1 44 84
47 0 43 126 92 175 7.10E-12 78.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035659 1735272 140.6 UdeM00000035659 XP_041369037.1 64.7
102 35 1 48 149 40 140 1.90E-30 140.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035660 1735272 833.9 UdeM00000035660 XP_041369037.1 68.8
600 168 4 1 591 162 751 1.30E-238 833.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035663 6573 232.3 UdeM00000035663 XP_021378568.1 62.4 165
58 2 634 794 490 654 2.50E-57 232.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035664 6596 464.5 UdeM00000035664 XP_045191127.1 45.8 522
256 5 1 497 5 524 1.70E-127 464.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035665 6596 183.3 UdeM00000035665 XP_045190001.1 56.6 143
60 1 25 167 4 144 2.50E-43 183.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035666 6579 151.4 UdeM00000035666 XP_033757506.1 43.4 143
80 1 14 155 14 156 1.00E-33 151.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035667 6596 364.8 UdeM00000035667 XP_045191095.1 60.5 258
101 1 24 280 50 307 1.00E-97 364.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035668 6596 901.7 UdeM00000035668 XP_045189275.1 60.6 690
 270 2 3 691 2 690 5.80E-259 901.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035669 225164 325.1 UdeM00000035669 XP_009066648.1 32.2
 652 383 12 4 648 28 627 2.00E-85 325.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035670 6596 390.6 UdeM00000035670 XP_045188197.1 38.1 616
 188 8 1 476 3 565 2.90E-105 390.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035671 6596 360.1 UdeM00000035671 XP_045188197.1 36.3 615
 167 7 1 442 3 565 3.90E-96 360.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035673 6573 680.6 UdeM00000035673 XP_021369118.1 75.4 435
 99 3 15 444 50 481 1.30E-192 680.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035674 6596 736.5 UdeM00000035674 XP_045188969.1 94.7 376
 20 0 1 376 1 376 1.70E-209 736.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035675 6596 1125.9 UdeM00000035675 XP_045189303.1 63.3
 828 296 4 1 822 1 826 0.00E+00 1125.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035676 6596 391.7 UdeM00000035676 XP_045189115.1 69.7 261
 78 1 3 263 26 285 1.70E-105 391.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035677 37621 141.7 UdeM00000035677 XP_014677462.1 52.1 144
 58 2 2 141 30 166 8.90E-31 141.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus

UdeM00000035678 6573 632.5 UdeM00000035678 XP_021375729.1 49.8 626
 289 6 1 601 1 626 5.70E-178 632.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035679 6596 503.8 UdeM00000035679 XP_045189114.1 59.5 402
 155 4 3 399 288 686 2.00E-139 503.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035680 6596 457.2 UdeM00000035680 XP_045189114.1 57.4 376
 152 4 1 371 314 686 2.00E-125 457.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035681 6596 316.2 UdeM00000035681 XP_045190567.1 40.5 607
 304 13 11 566 19 619 8.30E-83 316.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035683 6579 93.2 UdeM00000035683 XP_033725359.1 55.4 83
 37 0 1 83 1 83 1.70E-16 93.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035684 6596 243.4 UdeM00000035684 XP_045188426.1 31.8 538
 275 12 2 531 29 482 6.60E-61 243.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035685 6596 283.1 UdeM00000035685 XP_045188426.1 37.4 478
 293 3 49 523 10 484 7.30E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035686 6596 1513 UdeM00000035686 XP_045190629.1 51.2 2403
 888 38 360 2648 644 2876 0.00E+00 1513 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035687 6596 368.2 UdeM00000035687 XP_045190629.1 76.8 228
 50 1 1 225 1 228 7.70E-99 368.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035688 6573 320.9 UdeM00000035688 XP_021363992.1 61.4 290
 94 5 1 285 1 277 1.70E-84 320.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000035689 6573 393.3 UdeM00000035689 XP_021369121.1 41 547
295 7 3 541 609 1135 5.10E-106 393.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000035690 6565 164.1 UdeM00000035690 XP_022288784.1 45.5 220
110 7 86 299 465 680 2.90E-37 164.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035691 6565 164.5 UdeM00000035691 XP_022288784.1 45.9 220
107 8 86 297 465 680 2.20E-37 164.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035693 6573 557.4 UdeM00000035693 XP_021369121.1 34 1144
671 26 12 1095 8 1127 4.10E-155 557.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000035695 6573 572.4 UdeM00000035695 XP_021369121.1 34.1 1186
676 24 3 1137 5 1135 1.30E-159 572.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000035696 6573 677.6 UdeM00000035696 XP_021369121.1 39.3 1151
605 28 14 1089 6 1137 2.70E-191 677.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000035697 6573 670.2 UdeM00000035697 XP_021369121.1 39 1160
605 29 14 1098 6 1137 4.40E-189 670.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000035700 400727 806.6 UdeM00000035700 XP_025093999.1 51.3
819 246 6 22 839 73 739 3.00E-230 806.6 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000035701 6565 301.6 UdeM00000035701 XP_022338358.1 38 492
265 11 37 526 12 465 2.00E-78 301.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035702 6579 246.1 UdeM00000035702 XP_033739209.1 49.2 258
115 2 9 261 2 248 4.90E-62 246.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035703 6565 265 UdeM00000035703 XP_022305704.1 32.8 485
 232 6 103 523 3 457 2.00E-67 265 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035704 7574 148.3 UdeM00000035704 XP_013405563.1 36.6 257
 136 6 1 254 146 378 1.40E-32 148.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000035705 6579 246.1 UdeM00000035705 XP_033739209.1 49.2 258
 115 2 9 261 2 248 4.90E-62 246.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035706 6565 265 UdeM00000035706 XP_022305704.1 32.8 485
 232 6 103 523 3 457 2.00E-67 265 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035707 7574 148.3 UdeM00000035707 XP_013405563.1 36.6 257
 136 6 1 254 146 378 1.40E-32 148.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000035708 6579 246.1 UdeM00000035708 XP_033739209.1 49.2 258
 115 2 9 261 2 248 4.90E-62 246.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035709 6565 265 UdeM00000035709 XP_022305704.1 32.8 485
 232 6 103 523 3 457 2.00E-67 265 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035710 6596 122.5 UdeM00000035710 XP_045215394.1 49.6 113
 55 1 96 206 35 147 7.20E-25 122.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035711 1735272 435.3 UdeM00000035711 XP_041369772.1 59.5
 380 145 2 21 392 13 391 9.30E-119 435.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035712 6565 594.7 UdeM00000035712 XP_022333349.1 64.8 466
 120 2 6 427 43 508 9.10E-167 594.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035713 7757 71.2 UdeM00000035713 XP_032835784.1 60 60
 24 0 3 62 4 63 7.80E-10 71.2 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
s;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000035714 6579 250 UdeM00000035714 XP_033733679.1 63.4 186
68 0 3 188 2 187 2.50E-63 250 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035715 1529436 151 UdeM00000035715 XP_033124485.1 83.3
78 11 1 1 78 1 76 6.50E-34 151 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica

UdeM00000035716 6573 130.6 UdeM00000035716 XP_021355033.1 40.3 144
85 1 2 144 4 147 2.70E-27 130.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035717 6596 164.5 UdeM00000035717 XP_045207342.1 50.6 170
81 2 2 168 3 172 1.20E-37 164.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035718 6565 133.7 UdeM00000035718 XP_022321780.1 50.8 122
57 2 1 119 30 151 2.10E-28 133.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035719 6573 87 UdeM00000035719 XP_021345893.1 30.3 152
83 2 77 227 20 149 3.40E-14 87 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035721 6596 167.2 UdeM00000035721 XP_045207342.1 57 142
60 1 2 142 3 144 2.00E-38 167.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035722 6579 109 UdeM00000035722 XP_033750443.1 33.1 172
88 2 14 184 3 148 6.90E-21 109 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035723 6565 109 UdeM00000035723 XP_022321782.1 39.8 176
77 5 13 186 2 150 7.40E-21 109 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035724 6565 111.3 UdeM00000035724 XP_022321780.1 38.8 170
76 4 19 186 7 150 1.40E-21 111.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035725 7574 151.8 UdeM00000035725 XP_013421302.1 46.5 142
75 1 2 143 3 143 8.10E-34 151.8 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
guloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000035726 6579 370.2 UdeM00000035726 XP_033728194.1 43.8 475
254 5 1 466 282 752 4.00E-99 370.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000035727 6565 112.8 UdeM00000035727 XP_022321782.1 35 163
95 3 8 161 9 169 4.90E-22 112.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035728 6565 507.3 UdeM00000035728 XP_022338256.1 61.4 438
155 6 16 445 56 487 2.00E-140 507.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035729 6565 502.7 UdeM00000035729 XP_022338256.1 60.4 445
162 6 10 446 49 487 4.90E-139 502.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035730 6565 502.3 UdeM00000035730 XP_022338258.1 63.9 416
135 7 7 413 72 481 5.90E-139 502.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035732 6573 299.7 UdeM00000035732 XP_021374853.1 73.2 183
49 0 1 183 404 586 2.60E-78 299.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000035733 6526 166.4 UdeM00000035733 XP_013091220.1 80.6 98
19 0 3 100 131 228 2.20E-38 166.4 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan
pulmonata; Hygrophila; Lymnaeoida; Planorbidae; Biomphalaria; Biomphalaria
glabrata
UdeM00000035734 6526 166.4 UdeM00000035734 XP_013091220.1 80.6 98
19 0 3 100 131 228 2.20E-38 166.4 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan
pulmonata; Hygrophila; Lymnaeoida; Planorbidae; Biomphalaria; Biomphalaria
glabrata
UdeM00000035735 6573 187.2 UdeM00000035735 XP_021358159.1 36 303
181 6 1 293 361 660 4.70E-44 187.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000035736 6500 309.7 UdeM00000035736 XP_012936360.1 68.9 219
 68 0 740 958 42 260 1.30E-80 309.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000035737 6565 121.3 UdeM00000035737 XP_022344036.1 64.3 84
 30 0 6 89 4 87 6.20E-25 121.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035738 7574 860.1 UdeM00000035738 XP_013413356.1 63.9 682
 223 10 1084 1758 388 1053 4.80E-246 860.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000042334 400727 215.7 UdeM00000042334 XP_025089961.1 59.5
 190 2 1 1 190 1 115 5.10E-53 215.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000042335 1735272 301.2 UdeM00000042335 XP_041349021.1 50
 286 143 0 5 290 43 328 1.40E-78 301.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042336 7574 174.9 UdeM00000042336 XP_013416544.1 73.8 126
 33 0 4 129 3 128 6.90E-41 174.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000042337 6500 700.7 UdeM00000042337 XP_005090939.1 78.2 496
 108 0 1 496 1 496 1.40E-198 700.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000042338 6500 517.3 UdeM00000042338 XP_005090939.1 80.7 337
 65 0 1 337 160 496 1.50E-143 517.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000042340 29159 65.9 UdeM00000042340 XP_034307878.1 30.5 95
 66 0 5 99 96 190 4.80E-08 65.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042341 6573 189.5 UdeM00000042341 XP_021340815.1 47.9 188
 86 2 2 187 3 180 4.00E-45 189.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042342 6596 468 UdeM00000042342 XP_045172771.1 46.4 534
 268 7 1 524 1 526 1.60E-128 468 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042343 6596 877.5 UdeM00000042343 XP_045171607.1 65.3 1010
336 5 1 1004 1 1002 1.60E-251 877.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042345 6596 1282.3 UdeM00000042345 XP_045173271.1 73.5
823 215 2 52 874 52 871 0.00E+00 1282.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042346 6565 290.4 UdeM00000042346 XP_022341463.1 67.1 207
64 2 53 259 53 255 2.40E-75 290.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042347 6579 186.4 UdeM00000042347 XP_033747281.1 59.7 139
54 1 52 190 55 191 3.40E-44 186.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042348 29159 429.1 UdeM00000042348 XP_034338151.1 53.4 416
174 4 20 416 35 449 6.40E-117 429.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042349 6596 1330.9 UdeM00000042349 XP_045173270.1 76.3
823 192 2 52 874 52 871 0.00E+00 1330.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042350 6596 66.6 UdeM00000042350 XP_045172255.1 23.6 368
209 13 15 334 40 383 7.20E-08 66.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042351 6573 280.8 UdeM00000042351 XP_021371351.1 66.2 358
117 3 2 356 350 706 2.40E-72 280.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042352 6579 735.3 UdeM00000042352 XP_033747709.1 64.1 701
248 3 6 703 7 706 7.10E-209 735.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000042353 6596 515 UdeM00000042353 XP_045173758.1 52.5 465
213 3 35 499 19 475 1.10E-142 515 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000042355 6579 268.9 UdeM00000042355 XP_033747711.1 64.9 211
73 1 1 210 803 1013 5.70E-69 268.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000042354 6579 270.4 UdeM00000042354 XP_033747711.1 65.1 212
73 1 2 212 802 1013 2.00E-69 270.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000042356 6596 194.5 UdeM00000042356 XP_045172776.1 40.2 358
170 14 11 357 435 759 2.30E-46 194.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000042357 6596 493 UdeM00000042357 XP_045172777.1 67.5 421
112 6 1 417 1 400 4.30E-136 493 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000042358 7668 75.5 UdeM00000042358 XP_030841875.1 50 64
31 1 3 66 71 133 5.80E-11 75.5 7668 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea; Camarodonta; Echinidea; Strongylocentrotidae; Strongylocentrotus; Strongylocentrotus purpuratus

UdeM00000042359 6596 699.1 UdeM00000042359 XP_045172777.1 50.1 857
347 19 5 818 121 939 6.70E-198 699.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000042360 1735272 109 UdeM00000042360 XP_041349948.1 70
80 22 1 1 80 1 78 1.10E-20 109 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopiridae; Gigantopelta; Gigantopelta aegis

UdeM00000042361 6596 476.9 UdeM00000042361 XP_045173648.1 38.9 769
369 12 1 739 1 698 4.80E-131 476.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000042362 6573 131.3 UdeM00000042362 XP_021349751.1 30.5 321
 198 4 1 315 2 303 2.30E-27 131.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042363 6579 589 UdeM00000042363 XP_033748230.1 60.9 463
 167 3 2 451 144 605 5.30E-165 589 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042364 2607531 193.4 UdeM00000042364 XP_036359789.1 82.5
 103 18 0 6 108 27 129 1.70E-46 193.4 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000042365 6596 259.2 UdeM00000042365 XP_045171870.1 67.8 177
 57 0 29 205 458 634 5.40E-66 259.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042366 6579 433.3 UdeM00000042366 XP_033747389.1 70.6 279
 82 0 1 279 206 484 2.30E-118 433.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042367 6565 97.4 UdeM00000042367 XP_022335714.1 49.1 110
 39 4 47 154 96 190 1.70E-17 97.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042368 6579 3042.3 UdeM00000042368 XP_033748694.1 92.1
 1641 130 0 147 1787 15 1655 0.00E+00 3042.3 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042369 37653 206.1 UdeM00000042369 XP_014789336.1 78.8 137
 29 0 1 137 1 137 3.10E-50 206.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000042370 6526 110.2 UdeM00000042370 XP_013067933.1 82.4 68
 12 0 1 68 1 68 1.90E-21 110.2 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000042371 6596 252.7 UdeM00000042371 XP_045173333.1 43.5 306
 123 3 5 261 7 311 5.20E-64 252.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042372 6596 178.7 UdeM00000042372 XP_045181277.1 33.7 306
 187 8 41 338 132 429 1.20E-41 178.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042373 6596 153.7 UdeM00000042373 XP_045173647.1 38.2 207
 126 2 1 205 226 432 2.60E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042374 6596 204.9 UdeM00000042374 XP_045181277.1 35.7 322
 189 10 17 327 108 422 1.60E-49 204.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042375 6596 63.5 UdeM00000042375 XP_045174485.1 31.5 127
 82 4 30 155 651 773 3.90E-07 63.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043537 29159 119 UdeM00000043537 XP_011449152.1 66.3 92
 29 2 15 106 61 150 3.70E-24 119 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043538 6596 907.5 UdeM00000043538 XP_045199690.1 51.9 930
 388 12 8 918 2 891 1.40E-260 907.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043539 6596 704.5 UdeM00000043539 XP_045199690.1 50.6 769
 322 13 1 748 160 891 1.40E-199 704.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043540 6596 1349.7 UdeM00000043540 XP_045199705.1 66.7
 1080 320 7 5 1048 301 1376 0.00E+00 1349.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043541 37621 98.2 UdeM00000043541 XP_014678683.1 60 70
 28 0 1 70 59 128 8.50E-18 98.2 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000043542 6596 461.8 UdeM00000043542 XP_045199705.1 80.4 275
54 0 1 275 27 301 5.90E-127 461.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043543 6573 715.3 UdeM00000043543 XP_021372077.1 80 444
76 4 1 440 1 435 5.50E-203 715.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriormorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000043544 6596 187.6 UdeM00000043544 XP_045177580.1 33.1 359
212 10 16 369 13 348 3.50E-44 187.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043545 7913 164.5 UdeM00000043545 XP_041090681.1 23.2 626
444 18 1 603 1809 2420 4.30E-37 164.5 7913 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Chondrostei; Acipenseriformes; Acipenseridae; Polyodontidae; Polyodontinae; Polyodontini; Polyodon; Polyodon spathula

UdeM00000043546 6596 286.2 UdeM00000043546 XP_045200257.1 30.7 610
378 13 7 580 124 724 9.40E-74 286.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043547 6596 298.1 UdeM00000043547 XP_045200267.1 32.4 599
367 16 2 583 123 700 2.40E-77 298.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043549 6596 361.7 UdeM00000043549 XP_045202682.1 33.2 719
429 11 57 760 884 1566 2.30E-96 361.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043550 6596 361.7 UdeM00000043550 XP_045202682.1 33.2 719
429 11 57 760 884 1566 2.30E-96 361.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043551 6596 361.7 UdeM00000043551 XP_045202682.1 33.2 719
429 11 57 760 884 1566 2.30E-96 361.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000043552 6596 361.7 UdeM00000043552 XP_045202682.1 33.2 719
 429 11 57 760 884 1566 2.30E-96 361.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043553 6596 363.2 UdeM00000043553 XP_045202682.1 33.4 719
 428 12 57 760 884 1566 7.90E-97 363.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043554 6596 221.1 UdeM00000043554 XP_045181277.1 40.4 285
 157 7 189 466 127 405 3.10E-54 221.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043555 27687 562 UdeM00000043555 XP_028648107.1 26.5 1655
 1060 44 163 1728 342 1929 2.60E-156 562 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000043556 8384 156.8 UdeM00000043556 XP_040263820.1 30.6 372
 234 12 12 375 47 402 5.60E-35 156.8 8384 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Hyloidea;Bufonidae;Bufo;Bufo bufo
 UdeM00000043557 6850 147.9 UdeM00000043557 XP_013775720.2 29.4 320
 209 8 109 425 171 476 3.00E-32 147.9 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000043558 6412 115.5 UdeM00000043558 XP_009031446.1 27.6 257
 170 8 1 248 244 493 9.40E-23 115.5 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisiphiidae;Helobdella;Helobdella robusta
 UdeM00000043559 6412 164.1 UdeM00000043559 XP_009031446.1 28.2 365
 241 11 83 433 136 493 4.00E-37 164.1 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisiphiidae;Helobdella;Helobdella robusta
 UdeM00000040657 6573 729.6 UdeM00000040657 XP_021345467.1 66.3 812
 273 1 10 821 124 934 4.50E-207 729.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040659 29159 99.8 UdeM00000040659 XP_011445731.2 39.8 123
 72 2 17 139 227 347 3.40E-18 99.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040658 29159 102.8 UdeM00000040658 XP_011445731.2 36.8 144
87 3 245 388 208 347 1.00E-18 102.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040660 29159 434.1 UdeM00000040660 XP_034307109.1 42.8 579
317 7 10 577 29 604 2.90E-118 434.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040661 2652724 442.6 UdeM00000040661 XP_020903819.1 48.2
461 223 6 5 449 9 469 6.10E-121 442.6 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000040662 6596 252.7 UdeM00000040662 XP_045204432.1 48 248
126 2 10 254 105 352 5.00E-64 252.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000040663 6573 491.1 UdeM00000040663 XP_021353682.1 44.8 585
311 5 12 584 39 623 1.90E-135 491.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000040664 6596 326.6 UdeM00000040664 XP_045204432.1 43.2 352
197 2 1 349 1 352 3.80E-86 326.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000040666 6596 102.4 UdeM00000040666 XP_045204432.1 50 90
43 1 1 88 263 352 2.90E-19 102.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000040665 6596 139.8 UdeM00000040665 XP_045204432.1 50.9 116
55 1 2 115 237 352 2.20E-30 139.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000040667 6596 205.7 UdeM00000040667 XP_045204432.1 43.8 226
124 2 7 229 6 231 6.40E-50 205.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044439 83332 238 UdeM00000044439 NP_217959.1 93.1 130 9
 0 393 522 22 151 2.60E-59 238 83332 cellular
 organisms;Bacteria;Terrabacteria
 group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000043682 6596 436 UdeM00000043682 XP_045187536.1 63.7 331
 118 1 1 331 396 724 4.20E-119 436 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043683 6596 671 UdeM00000043683 XP_045187536.1 66.6 500
 164 2 2 501 228 724 1.20E-189 671 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043685 1735272 88.2 UdeM00000043685 XP_041362151.1 38.9
 113 68 1 9 120 563 675 8.50E-15 88.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043687 6579 262.7 UdeM00000043687 XP_033761495.1 66.3 184
 59 1 36 219 24 204 4.20E-67 262.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043690 7574 258.8 UdeM00000043690 XP_013382110.1 59.1 208
 79 1 1 208 37 238 5.80E-66 258.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000043691 7574 259.2 UdeM00000043691 XP_013382110.1 61.3 194
 75 0 14 207 45 238 4.40E-66 259.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000043692 7574 255.8 UdeM00000043692 XP_013382110.1 47.4 234
 119 2 3 236 386 615 5.50E-65 255.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000043693 7574 188.7 UdeM00000043693 XP_013384628.1 58.3 163
 59 2 1 163 33 186 6.50E-45 188.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000043694 7574 221.9 UdeM00000043694 XP_013399039.1 48.2 247
 116 4 3 243 4 244 9.10E-55 221.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000043697 6596 276.9 UdeM00000043697 XP_045182316.1 40.9 399
 192 6 1 398 392 747 7.30E-71 276.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043698 6596 230.7 UdeM00000043698 XP_045182313.1 38.7 475
 210 18 16 442 772 1213 3.60E-57 230.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033322 6526 131.7 UdeM00000033322 XP_013095404.1 49.1 163
 78 4 1 158 1 163 8.20E-28 131.7 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000033323 6596 102.4 UdeM00000033323 XP_045173241.1 30.5 311
 131 11 17 257 554 849 1.20E-18 102.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033324 46514 120.2 UdeM00000033324 XP_038073135.1 42.6 148
 78 2 1 148 393 533 2.40E-24 120.2 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000033326 46514 112.1 UdeM00000033326 XP_038073135.1 52.6 95
 45 0 81 175 12 106 7.30E-22 112.1 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000033327 6573 181 UdeM00000033327 XP_021359687.1 31.2 433
 229 12 120 533 299 681 4.00E-42 181 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033328 6596 90.9 UdeM00000033328 XP_045214422.1 35.3 184
 99 8 16 185 330 507 1.90E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033329 6596 90.9 UdeM00000033329 XP_045214422.1 35.3 184
 99 8 20 189 330 507 2.00E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033330 6596 117.5 UdeM00000033330 XP_045214422.1 34.3 277
 147 13 1 258 247 507 2.70E-23 117.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033331 6596 92.8 UdeM00000033331 XP_045158080.1 37.6 157
93 3 45 198 676 830 5.40E-16 92.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033332 6596 197.2 UdeM00000033332 XP_045214422.1 35.9 390
203 16 158 535 153 507 5.30E-47 197.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033333 29159 88.6 UdeM00000033333 XP_034320029.1 62.9 70
25 1 1 70 418 486 3.70E-15 88.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033334 6596 195.7 UdeM00000033334 XP_045173241.1 30.2 507
316 15 28 530 377 849 1.50E-46 195.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033335 6596 345.5 UdeM00000033335 XP_045177776.1 35.8 559
327 8 23 573 393 927 2.80E-91 345.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033337 72036 90.1 UdeM00000033337 XP_040576246.1 42.2 90
52 0 3 92 253 342 1.80E-15 90.1 72036 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;Caligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000033340 6596 205.3 UdeM00000033340 XP_045173275.1 30.9 570
335 18 4 546 328 865 2.00E-49 205.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033341 6596 127.9 UdeM00000033341 XP_045177648.1 47.4 135
64 2 25 152 24 158 1.20E-26 127.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033343 6526 108.2 UdeM00000033343 XP_013089974.1 28.9 308
196 8 98 394 69 364 2.80E-20 108.2 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan

pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000033344	6526	109.8	UdeM00000033344	XP_013089974.1	28.9	311
198	8	98	397	69	367	9.10E-21
					109.8	6526

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000033345	6596	172.2	UdeM00000033345	XP_045182203.1	54.2	144
66	0	33	176	504	647	8.00E-40
					172.2	6596

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033347	400727	348.6	UdeM00000033347	XP_025089898.1	36.3	
597	340	11	184	749	251	838
					2.00E-92	348.6

400727 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000033348	400727	348.6	UdeM00000033348	XP_025089898.1	36.3	
597	340	11	149	714	251	838
					1.90E-92	348.6

400727 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000033349	29159	390.6	UdeM00000033349	XP_011414121.1	45.5	420
220	3	11	429	5	416	2.60E-105
					390.6	29159

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033350	6579	396.4	UdeM00000033350	XP_033738649.1	45.7	431
225	4	12	438	5	430	4.90E-107
					396.4	6579

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033351	218467	153.3	UdeM00000033351	XP_023213948.1	46.4	
179	95	1	4	182	1458	1635
					3.30E-34	153.3

218467 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000033352	50429	70.1	UdeM00000033352	XP_022804186.1	43.1	72
41	0	1	72	430	501	2.30E-09
					70.1	50429

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000033354	6565	63.2	UdeM00000033354	XP_022294688.1	46	63
33	1	51	112	43	105	3.20E-07
					63.2	6565

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033355	6596	95.9	UdeM00000033355	XP_045157166.1	46.9	96
50	1	22	117	31	125	3.70E-17
					95.9	6596

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033357 6596 105.1 UdeM00000033357 XP_045157166.1 50 96
47 1 18 113 31 125 6.00E-20 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033358 6596 103.2 UdeM00000033358 XP_045157166.1 52.1 96
45 1 18 113 31 125 2.30E-19 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033359 6596 78.6 UdeM00000033359 XP_045157188.1 35.2 122
78 1 1 121 2 123 6.20E-12 78.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033360 6596 72.8 UdeM00000033360 XP_045157166.1 30.2 126
77 2 1 117 2 125 3.40E-10 72.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033361 6596 67 UdeM00000033361 XP_045157166.1 41.6 77
44 1 47 123 50 125 2.00E-08 67 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033362 6596 63.2 UdeM00000033362 XP_045157188.1 42.9 84
46 1 1 82 2 85 2.20E-07 63.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033363 7741 93.2 UdeM00000033363 XP_019647702.1 41.5 130
65 5 13 138 199 321 3.00E-16 93.2 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000033364 6596 75.1 UdeM00000033364 XP_045157188.1 39.8 108
63 1 1 106 13 120 6.20E-11 75.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033365 6596 77.4 UdeM00000033365 XP_045157188.1 38.7 119
71 1 1 117 2 120 1.40E-11 77.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033366 6596 62.8 UdeM00000033366 XP_045157187.1 37.8 82
51 0 67 148 43 124 4.40E-07 62.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033367 6596 84.3 UdeM00000033367 XP_045157166.1 42.6 122
63 4 6 121 5 125 1.20E-13 84.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033368 6596 69.3 UdeM00000033368 XP_045157189.1 43.6 78
44 0 37 114 45 122 3.80E-09 69.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033369 6579 438.3 UdeM00000033369 XP_033728856.1 79.6 270
47 2 1 268 1 264 1.10E-119 438.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033370 6596 658.3 UdeM00000033370 XP_045177717.1 53.3 732
249 19 37 696 59 769 1.20E-185 658.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033371 6573 265.4 UdeM00000033371 XP_021342561.1 57.9 233
93 2 1 233 1 228 6.90E-68 265.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033372 6596 1523.5 UdeM00000033372 XP_045179823.1 77.5
1084 222 6 1 1072 1 1074 0.00E+00 1523.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033373 29159 612.8 UdeM00000033373 XP_011430931.2 61.9 438
162 2 1 436 9 443 3.30E-172 612.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033374 6596 211.8 UdeM00000033374 XP_045206316.1 50 212
105 1 32 242 84 295 1.20E-51 211.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033376 37621 93.6 UdeM00000033376 XP_014663462.1 52.5 80
37 1 5 84 45 123 1.70E-16 93.6 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000033377 6412 533.9 UdeM00000033377 XP_009012507.1 66 359
121 1 2 360 4 361 1.60E-148 533.9 6412 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;Helobdella;Helobdella robusta

UdeM00000033378 6412 486.5 UdeM00000033378 XP_009012507.1 65.7 332
113 1 1 332 31 361 2.70E-134 486.5 6412 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;Helobdella;Helobdella robusta

UdeM00000033379 6565 283.1 UdeM00000033379 XP_022292556.1 50.4 268
132 1 94 361 141 407 6.00E-73 283.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033380 6565 203.8 UdeM00000033380 XP_022336169.1 35.9 337
182 8 2 324 154 470 3.50E-49 203.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033381 37621 81.6 UdeM00000033381 XP_014670827.1 45.1 102
52 2 7 107 120 218 6.60E-13 81.6 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000033382 37621 114.8 UdeM00000033382 XP_014677368.1 50.9 114
50 3 1 108 1 114 7.10E-23 114.8 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000033383 10228 66.6 UdeM00000033383 XP_002118406.1 40.7 86
49 2 19 104 182 265 2.60E-08 66.6 10228 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacidae;Trichoplax;Trichoplax adhaerens

UdeM00000033385 6573 919.1 UdeM00000033385 XP_021341648.1 67.8 721
199 11 21 722 26 732 3.60E-264 919.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033386 1735272 343.6 UdeM00000033386 XP_041356281.1 58.1
322 122 7 13 331 18 329 3.00E-91 343.6 1735272

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033389 7668 448.7 UdeM00000033389 XP_003729577.2 41 608
295 12 85 638 319 916 1.20E-122 448.7 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus

UdeM00000033391 7668 59.7 UdeM00000033391 XP_011673985.1 56.7 60
24 2 49 106 642 701 5.20E-06 59.7 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus

UdeM00000033392 6565 161 UdeM00000033392 XP_022297037.1 66.7 114
38 0 5 118 125 238 9.60E-37 161 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033394 6596 455.3 UdeM00000033394 XP_045177776.1 36.5 823
449 15 288 1068 398 1188 2.20E-124 455.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033395 8030 59.3 UdeM00000033395 XP_014027910.1 43.1 58
33 0 45 102 1131 1188 3.70E-06 59.3 8030 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salm
oninae;Salmo;Salmo salar

UdeM00000033396 6596 348.2 UdeM00000033396 XP_045177822.1 73.1 238
61 2 1 237 1 236 8.20E-93 348.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033397 6596 217.2 UdeM00000033397 XP_045216638.1 40.4 230
136 1 37 265 126 355 2.60E-53 217.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033398 6596 473.4 UdeM00000033398 XP_045190222.1 74.4 273
70 0 12 284 11 283 2.00E-130 473.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033399 2607531 116.3 UdeM00000033399 XP_029633614.1 52.5
99 46 1 1 98 1 99 4.80E-23 116.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000033400 6596 282.3 UdeM00000033400 XP_045199387.1 29.2 713
460 13 5 693 4 695 1.60E-72 282.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033401 6596 139 UdeM00000033401 XP_045176094.1 47.9 140
72 1 4 143 81 219 5.00E-30 139 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033403 150288 332.4 UdeM00000033403 XP_020788097.1 64.8
219 75 1 2 220 355 571 4.40E-88 332.4 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000033405 6565 59.7 UdeM00000033405 XP_022301639.1 43.2 81
44 1 12 92 115 193 3.10E-06 59.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033406 6579 93.6 UdeM00000033406 XP_033744347.1 35.1 171
100 4 3 166 111 277 3.00E-16 93.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033407 29159 73.2 UdeM00000033407 XP_019926412.2 51.3 78
35 1 1 75 1 78 3.80E-10 73.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033407 29159 59.7 UdeM00000033407 XP_019926412.2 36.1 72
45 1 87 158 415 485 4.40E-06 59.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033408 6565 67 UdeM00000033408 XP_022304481.1 33.1 118
77 2 35 151 584 700 3.00E-08 67 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033410 7054 92 UdeM00000033410 XP_031334632.1 54.4 90
38 2 2 89 33 121 5.00E-16 92 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000033411 7962 109.4 UdeM00000033411 XP_042620674.1 41.6 154
86 4 1 153 1 151 1.10E-20 109.4 7962 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysii;Otophysi;Cypriniphysae;Cypriniformes;Cyprinoidae;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio

UdeM00000033412 34773 583.9 UdeM00000033412 XP_041926911.1 47.7 648
305 8 1 637 1 625 3.20E-163 583.9 34773 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Clupeii;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;Alosa sapidissima

UdeM00000033413 46514 117.5 UdeM00000033413 XP_038073135.1 41.9 148
79 2 1 148 393 533 1.50E-23 117.5 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Valvatataceae;Valvatataceae;Valvatataceae;Valvatataceae;Valvatataceae;Valvatataceae;Valvatataceae;Valvatataceae;Valvatataceae;Valvatataceae;Patiria;Patiria miniata

UdeM00000033414 50390 359.4 UdeM00000033414 XP_028147518.1 55.6 257
113 1 1 256 74 330 3.90E-96 359.4 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000033415 50390 498 UdeM00000033415 XP_028142380.1 57.4 345
147 0 1 345 33 377 9.30E-138 498 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000033416 150288 357.5 UdeM00000033416 XP_020788097.1 61.9
244 93 0 1 244 311 554 1.40E-95 357.5 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000033417 150288 637.5 UdeM00000033417 XP_020788097.1 58.4
483 176 1 1 458 87 569 1.30E-179 637.5 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000033419 50390 513.8 UdeM00000033419 XP_028142380.1 58.4 363
149 2 1 362 44 405 1.70E-142 513.8 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia

jiiformia;Chrysmeloidea;Chrysmelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000033418 50390 468 UdeM00000033418 XP_028142380.1 54.8 367
154 4 69 424 40 405 1.30E-128 468 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysmeloidea;Chrysmelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000033421 50390 419.9 UdeM00000033421 XP_028142380.1 58.2 294
122 1 1 294 44 336 2.80E-114 419.9 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysmeloidea;Chrysmelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000033422 50390 364.8 UdeM00000033422 XP_028142380.1 58.6 251
103 1 1 251 87 336 9.10E-98 364.8 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysmeloidea;Chrysmelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000033423 50390 690.3 UdeM00000033423 XP_028154228.1 56.8 505
218 0 3 507 89 593 1.90E-195 690.3 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysmeloidea;Chrysmelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000033424 6596 101.7 UdeM00000033424 XP_045171063.1 35.3 170
94 2 1 166 178 335 1.10E-18 101.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033425 7668 74.3 UdeM00000033425 XP_030841875.1 50 64
31 1 3 66 71 133 1.30E-10 74.3 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000033426 150288 338.2 UdeM00000033426 XP_020788097.1 58.8
240 99 0 5 244 330 569 8.80E-90 338.2 150288

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
UdeM00000033427 150288 127.1 UdeM00000033427 XP_020788097.1 73.3
75 19 1 2 76 411 484 9.60E-27 127.1 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
UdeM00000033428 6596 86.7 UdeM00000033428 XP_045171063.1 36.7 139
72 2 1 135 209 335 3.00E-14 86.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033429 150288 226.5 UdeM00000033429 XP_020788097.1 62.3
154 50 1 1 146 393 546 2.20E-56 226.5 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000033430 150288 145.6 UdeM00000033430 XP_020788097.1 66.3
89 29 1 2 89 423 511 3.10E-32 145.6 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000033431 150288 163.3 UdeM00000033431 XP_020788097.1 63.3
120 34 1 1 110 421 540 1.80E-37 163.3 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000033432 6596 57.8 UdeM00000033432 XP_045171063.1 40.8 71
42 0 1 71 178 248 6.70E-06 57.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033433 6596 75.5 UdeM00000033433 XP_045171063.1 49.3 73
37 0 23 95 86 158 4.20E-11 75.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000033434 6596 245.7 UdeM00000033434 XP_045160375.1 57.3 206
 84 4 1 203 1 205 6.50E-62 245.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000033435 6596 106.3 UdeM00000033435 XP_045160375.1 63.8 69
 25 0 18 86 518 586 2.00E-20 106.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000033436 6596 622.1 UdeM00000033436 XP_045160376.1 61.9 520
 161 5 18 508 5 516 6.30E-175 622.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000033438 50390 723 UdeM00000033438 XP_028154228.1 55.8 538
 238 0 1 538 72 609 2.80E-205 723 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera
 UdeM00000033439 50390 543.5 UdeM00000033439 XP_028142380.1 59.2 375
 153 0 1 375 59 433 2.10E-151 543.5 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera
 UdeM00000033443 150288 290.4 UdeM00000033443 XP_020788097.1 65.1
 186 65 0 2 187 383 568 1.60E-75 290.4 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000033444 50390 484.6 UdeM00000033444 XP_028142380.1 56.3 343
 150 0 1 343 115 457 1.10E-133 484.6 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000033445 10224 295.4 UdeM00000033445 XP_006820181.1 45.6 342
 181 2 2 339 92 432 1.20E-76 295.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000033446 45264 389.8 UdeM00000033446 XP_044165535.1 49.3 367
 182 1 1 363 158 524 3.90E-105 389.8 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000033447 50390 379.8 UdeM00000033447 XP_028142380.1 59.8 259
 104 0 1 259 31 289 2.80E-102 379.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000033448 50390 567.8 UdeM00000033448 XP_028154228.1 54.4 425
 189 1 1 420 72 496 1.20E-158 567.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000033449 150288 308.1 UdeM00000033449 XP_020788097.1 63.3
 199 73 0 1 199 367 565 8.80E-81 308.1 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000033451 225164 67.4 UdeM00000033451 XP_009062376.1 43.8
 80 25 2 1 80 426 485 1.90E-08 67.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000033450 150288 157.5 UdeM00000033450 XP_020788097.1 52
 148 55 3 1 136 421 564 1.90E-35 157.5 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000033452 6565 315.5 UdeM00000033452 XP_022321094.1 58.5 260
 107 1 17 276 22 280 1.20E-82 315.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033454 6596 255 UdeM00000033454 XP_045177809.1 69.1 217
61 3 29 244 57 268 1.00E-64 255 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033455 6579 2322.7 UdeM00000033455 XP_033728509.1 86
1302 177 4 421 1720 269 1567 0.00E+00 2322.7 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000033456 6573 763.8 UdeM00000033456 XP_021368509.1 90.6 405
38 0 1 405 1163 1567 1.10E-217 763.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033457 6579 213.4 UdeM00000033457 XP_033745805.1 46.9 256
126 5 68 314 48 302 7.00E-52 213.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000033458 29159 101.3 UdeM00000033458 XP_034330187.1 35.7 171
93 5 341 509 10 165 3.80E-18 101.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033460 6579 110.9 UdeM00000033460 XP_033731337.1 35.4 158
94 3 141 298 174 323 3.00E-21 110.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000033461 6579 80.5 UdeM00000033461 XP_033728164.1 46.5 86
40 3 53 133 566 650 1.40E-11 80.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000033462 6573 71.6 UdeM00000033462 XP_021365807.1 45.3 75
36 2 67 136 558 632 1.80E-09 71.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033464 6573 73.9 UdeM00000033464 XP_021365807.1 49.4 77
34 2 29 100 558 634 1.20E-09 73.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033465 6596 436.4 UdeM00000033465 XP_045207516.1 31.2 996
571 31 242 1193 49 974 1.20E-118 436.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033466 6596 419.1 UdeM00000033466 XP_045178031.1 50.6 453
 122 4 54 404 1 453 6.50E-114 419.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033467 1735272 157.1 UdeM00000033467 XP_041376200.1 40.2
 209 74 2 1 158 1 209 1.90E-35 157.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000033468 6596 208.8 UdeM00000033468 XP_045178031.1 61.7 149
 57 0 1 149 477 625 4.90E-51 208.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033469 6596 1015.4 UdeM00000033469 XP_045179123.1 64.2
 877 277 18 20 868 17 884 4.40E-293 1015.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033470 6596 141.4 UdeM00000033470 XP_045174908.1 38.1 223
 134 2 148 370 337 555 2.40E-30 141.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033471 6596 145.6 UdeM00000033471 XP_045174908.1 39.8 221
 126 4 152 371 340 554 1.30E-31 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033472 6596 124.4 UdeM00000033472 XP_045174908.1 43.7 158
 87 1 2 159 400 555 1.30E-25 124.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033475 6596 143.7 UdeM00000033475 XP_045174908.1 38.1 223
 134 2 145 367 337 555 4.80E-31 143.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033476 6596 82.8 UdeM00000033476 XP_045180748.1 55.4 65
 28 1 42 106 25 88 6.50E-13 82.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033477 6596 79 UdeM00000033477 XP_045180748.1 52.3 65
30 1 28 92 25 88 1.20E-11 79 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033479 6579 79.7 UdeM00000033479 XP_033728164.1 42 88
49 1 25 110 561 648 4.60E-12 79.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033478 6579 79.3 UdeM00000033478 XP_033728164.1 42 88
49 1 27 112 561 648 6.10E-12 79.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033481 6596 297 UdeM00000033481 XP_045164960.1 45 400
187 10 1 387 114 493 3.80E-77 297 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033482 6596 294.7 UdeM00000033482 XP_045164960.1 44.1 399
192 9 1 387 114 493 1.90E-76 294.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033483 6596 279.3 UdeM00000033483 XP_045164960.1 43.7 389
188 9 1 377 114 483 7.60E-72 279.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033484 6596 276.9 UdeM00000033484 XP_045178416.1 63.6 206
73 1 1 204 283 488 2.40E-71 276.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033485 7054 225.3 UdeM00000033485 XP_031350480.1 43.6 236
91 2 2 195 232 467 6.60E-56 225.3 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elaterriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000033486 7054 214.2 UdeM00000033486 XP_031350480.1 44.7 219
79 2 1 177 249 467 1.40E-52 214.2 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
UdeM00000033487 29159 101.7 UdeM00000033487 XP_034330187.1 37.7 167
88 6 2 167 14 165 1.00E-18 101.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033489 6596 290.4 UdeM00000033489 XP_045164960.1 43.9 399
193 9 1 387 114 493 3.60E-75 290.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033492 10224 315.1 UdeM00000033492 XP_002736880.1 53.7 283
108 1 32 291 35 317 1.20E-82 315.1 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000033493 6596 214.2 UdeM00000033493 XP_045178416.1 43.4 256
140 4 1 252 11 265 2.00E-52 214.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033494 6596 107.5 UdeM00000033494 XP_045178416.1 36 164
102 2 1 161 11 174 1.70E-20 107.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033495 50429 94.7 UdeM00000033495 XP_022799946.1 32.5 157
102 3 165 321 6 158 2.40E-16 94.7 50429 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata
UdeM00000033497 158441 124.4 UdeM00000033497 XP_021948043.1 39.2
153 93 0 3 155 168 320 1.70E-25 124.4 158441
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Coll
embola;Entomobryomorpha;Isotomoidea;Isotomidae;Proisotominae;Folsomia;Fol
somia candida
UdeM00000033499 7668 324.7 UdeM00000033499 XP_003724302.3 47.1 348
178 4 1 348 1 342 1.40E-85 324.7 7668 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus
UdeM00000033500 6596 383.6 UdeM00000033500 XP_045177776.1 39.4 566
318 9 1 560 405 951 6.10E-103 383.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033502 6596 162.2 UdeM00000033502 XP_045182317.1 36.3 311
 135 10 23 278 243 545 1.10E-36 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033504 46514 66.2 UdeM00000033504 XP_038065173.1 48.1 77
 36 2 5 77 8 84 2.00E-08 66.2 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000033505 1735272 198.4 UdeM00000033505 XP_041373683.1 42.4
 245 136 4 49 292 254 494 1.30E-47 198.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033506 1250792 95.5 UdeM00000033506 XP_041861569.1 56.2
 73 32 0 2 74 595 667 3.00E-17 95.5 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
 eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000033507 6596 80.1 UdeM00000033507 XP_045186033.1 27.4 175
 121 3 234 404 23 195 7.50E-12 80.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033508 151771 106.3 UdeM00000033508 XP_028414844.1 36.9
 149 92 1 2 150 22 168 2.00E-19 106.3 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000033509 151771 106.3 UdeM00000033509 XP_028414844.1 36.9
 149 92 1 2 150 22 168 2.00E-19 106.3 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000033510 151771 106.3 UdeM00000033510 XP_028414844.1 36.9
 149 92 1 2 150 22 168 1.20E-19 106.3 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000033511 6579 100.9 UdeM00000033511 XP_033731337.1 34.4 160
 93 3 152 309 174 323 3.20E-18 100.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000034166 6596 463 UdeM00000034166 XP_045182316.1 38.7 813
380 20 2 786 370 1092 7.80E-127 463 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000034170 6565 176 UdeM00000034170 XP_022305704.1 34.5 290
150 3 1 290 208 457 6.90E-41 176 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000034171 48498 504.6 UdeM00000034171 XP_020629946.1 37.7 772
393 12 2 769 1050 1737 2.30E-139 504.6 48498 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Faviina; Merulinidae; Orbicella; Orbicella faveolata

UdeM00000034172 6579 249.6 UdeM00000034172 XP_033739209.1 49.6 258
114 2 9 261 2 248 4.40E-63 249.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000034173 70779 125.6 UdeM00000034173 XP_015764363.1 33.3 276
143 6 4 247 6 272 1.00E-25 125.6 70779 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora digitifera

UdeM00000034174 6596 68.9 UdeM00000034174 XP_045201969.1 58.9 56
22 1 27 82 20 74 4.90E-09 68.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000044201 69820 388.7 UdeM00000044201 XP_022836638.1 60.6 320
124 2 3 320 2 321 7.50E-105 388.7 69820 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Amphiesmenoptera; Lepidoptera; Glossata; Neolepidoptera; Heteroneura; Ditrysia; Obtectomera; Noctuoidea; Noctuidae; Amphipyrrinae; Spodoptera; Spodoptera litura

UdeM00000043246 400727 238.4 UdeM00000043246 XP_025083450.1 68.8
154 45 1 3 156 181 331 6.10E-60 238.4 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000043247 400727 409.8 UdeM00000043247 XP_025083450.1 59.6
319 124 3 28 345 17 331 3.30E-111 409.8 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000043248 1529436 69.7 UdeM00000043248 XP_033121705.1 46.5
71 36 1 24 92 49 119 7.70E-09 69.7 1529436

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica
UdeM00000043249 6526 226.5 UdeM00000043249 XP_013061472.1 98.2 109
2 0 144 252 53 161 3.80E-56 226.5 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000043250 6573 145.6 UdeM00000043250 XP_021376808.1 85.9 78
11 0 97 174 50 127 6.00E-32 145.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000043251 6596 503.4 UdeM00000043251 XP_045197975.1 36.9 869
490 21 24 851 1081 1932 5.80E-139 503.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043252 7725 73.9 UdeM00000043252 XP_039259573.1 27.6 246
135 11 18 242 395 618 3.20E-10 73.9 7725 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
clava
UdeM00000043254 29159 178.7 UdeM00000043254 XP_011451271.1 50 170
80 2 7 176 2 166 6.60E-42 178.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000015653 6945 64.7 UdeM00000015653 XP_042146206.1 29.1 151
91 2 37 171 88 238 1.70E-07 64.7 6945 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
UdeM00000015654 6596 200.7 UdeM00000015654 XP_045182316.1 41.6 281
122 4 337 577 362 640 5.40E-48 200.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015655 6565 295.8 UdeM00000015655 XP_022334993.1 59.2 240
95 3 1 238 574 812 5.00E-77 295.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000015657 29159 85.1 UdeM00000015657 XP_034299474.1 39.6 91
53 1 1 91 415 503 5.10E-14 85.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000015658 90988 249.2 UdeM00000015658 XP_039535825.1 54.6 216
98 0 1 216 111 326 4.70E-63 249.2 90988 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinidae;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas

UdeM00000015659 50429 69.7 UdeM00000015659 XP_022785721.1 40.9 93
52 1 1 90 365 457 4.20E-09 69.7 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000015660 50429 69.7 UdeM00000015660 XP_022785721.1 40.9 93
52 1 1 90 365 457 4.10E-09 69.7 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000015661 50429 67.4 UdeM00000015661 XP_022804186.1 41.7 72
42 0 1 72 430 501 1.50E-08 67.4 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000015665 6565 179.5 UdeM00000015665 XP_022299727.1 43.1 232
103 2 1 203 46 277 4.90E-42 179.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015667 6565 138.7 UdeM00000015667 XP_022334994.1 32.5 268
107 4 3 197 188 454 8.20E-30 138.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015668 6565 203.8 UdeM00000015668 XP_022334993.1 73.2 127
33 1 68 193 686 812 2.10E-49 203.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015668 6565 59.3 UdeM00000015668 XP_022334993.1 47.8 69
34 1 1 67 481 549 6.40E-06 59.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015671 6596 89 UdeM00000015671 XP_045206084.1 32.5 166
104 6 49 208 266 429 8.00E-15 89 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015672 6596 138.3 UdeM00000015672 XP_045206055.1 40.4 183
104 3 129 310 61 239 1.70E-29 138.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015673 6596 243.8 UdeM00000015673 XP_045206084.1 28.9 602
347 14 10 550 157 738 5.10E-61 243.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015674 6573 214.5 UdeM00000015674 XP_021380249.1 28.8 473
309 13 31 489 270 728 3.00E-52 214.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015676 6596 272.3 UdeM00000015676 XP_045206055.1 33.4 503
317 12 27 520 41 534 1.30E-69 272.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015675 6596 272.3 UdeM00000015675 XP_045206055.1 33.4 503
317 12 40 533 41 534 1.30E-69 272.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015677 6596 95.5 UdeM00000015677 XP_045206084.1 36.5 178
104 5 6 175 296 472 8.10E-17 95.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015678 6573 96.3 UdeM00000015678 XP_021380249.1 32.3 161
88 3 8 148 215 374 4.40E-17 96.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015679 6565 104.8 UdeM00000015679 XP_022325254.1 26.9 279
184 8 21 294 494 757 2.00E-19 104.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015680 6596 212.2 UdeM00000015680 XP_045206055.1 37.7 297
181 3 84 379 77 370 1.30E-51 212.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015681 6596 177.6 UdeM00000015681 XP_045177112.1 29.2 407
195 11 37 357 77 476 2.90E-41 177.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015682 6596 120.2 UdeM00000015682 XP_045177112.1 27.1 317
155 7 9 249 160 476 3.90E-24 120.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015685 6596 453.4 UdeM00000015685 XP_045206065.1 31.2 960
 602 26 77 1005 49 981 7.70E-124 453.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015686 6596 266.9 UdeM00000015686 XP_045206084.1 30.6 529
 351 10 10 529 157 678 6.10E-68 266.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015687 6596 342.8 UdeM00000015687 XP_045206084.1 29.6 766
 473 17 54 775 50 793 1.20E-90 342.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015688 6565 184.9 UdeM00000015688 XP_022326775.1 28.7 414
 246 11 30 417 307 697 2.30E-43 184.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015689 6596 219.2 UdeM00000015689 XP_045206084.1 34.9 367
 231 6 202 563 78 441 1.50E-53 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015690 6596 219.2 UdeM00000015690 XP_045206084.1 34.9 367
 231 6 292 653 78 441 1.70E-53 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015692 6596 246.5 UdeM00000015692 XP_045177112.1 30.1 528
 307 13 9 492 160 669 7.20E-62 246.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015691 6596 298.1 UdeM00000015691 XP_045177112.1 30.1 655
 375 19 77 669 36 669 2.80E-77 298.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015693 37621 202.2 UdeM00000015693 XP_014672567.1 50 174
 87 0 10 183 345 518 7.10E-49 202.2 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus

UdeM00000015694 29159 255.8 UdeM00000015694 XP_019926412.2 57 223
 95 1 178 399 37 259 9.80E-65 255.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015695 6596 990.7 UdeM00000015695 XP_045181000.1 66.3 982
 240 17 6 937 676 1616 1.30E-285 990.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015696 6596 951.8 UdeM00000015696 XP_045181000.1 63.7 1016
 244 19 6 971 676 1616 6.70E-274 951.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015697 1735272 119.8 UdeM00000015697 XP_041361298.1 37
 492 238 18 1 455 157 613 9.10E-24 119.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015698 6596 3424.4 UdeM00000015698 XP_045180677.1 63
 3358 972 51 1 3278 1 3169 0.00E+00 3424.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015699 6573 666.8 UdeM00000015699 XP_021377534.1 79.4 471
 78 4 4 459 2562 3028 2.00E-188 666.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015700 6573 705.3 UdeM00000015700 XP_021377534.1 76.7 524
 100 6 14 520 2530 3048 5.80E-200 705.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015701 6573 574.7 UdeM00000015701 XP_021377534.1 66.3 523
 105 7 14 469 2530 3048 1.10E-160 574.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015702 6573 169.5 UdeM00000015702 XP_021377534.1 80.8 99
 19 0 18 116 2950 3048 2.60E-39 169.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015703 6565 721.1 UdeM00000015703 XP_022311347.1 64.1 566
 185 6 1 566 148 695 1.20E-204 721.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000015704 6105 97.1 UdeM00000015704 XP_031568563.1 51.2 86
42 0 5 90 56 141 1.30E-17 97.1 6105 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000015705 6596 93.2 UdeM00000015705 XP_045201969.1 61.2 80
30 1 1 79 10 89 3.20E-16 93.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015707 6573 722.2 UdeM00000015707 XP_021377534.1 80.5 498
78 4 1 483 2555 3048 4.30E-205 722.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015708 6573 738.4 UdeM00000015708 XP_021377534.1 78 518
94 5 105 607 2536 3048 7.20E-210 738.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015708 6573 161.4 UdeM00000015708 XP_021377534.1 72 107
29 1 3 109 1077 1182 3.60E-36 161.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000044380 29159 95.9 UdeM00000044380 XP_034304086.1 49.4 87
44 0 173 259 226 312 8.20E-17 95.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038773 6596 102.4 UdeM00000038773 XP_045184054.1 30.8 227
150 3 77 299 78 301 9.90E-19 102.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038774 6565 103.6 UdeM00000038774 XP_022334875.1 44.3 115
61 2 3 115 603 716 1.70E-19 103.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038775 6573 392.5 UdeM00000038775 XP_021352792.1 30.7 812
500 17 66 855 104 874 1.40E-105 392.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038776 6596 107.8 UdeM00000038776 XP_045184054.1 31.1 228
148 5 77 299 78 301 2.40E-20 107.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038777 6579 225.3 UdeM00000038777 XP_033746771.1 38.6 311
 169 6 1 295 561 865 1.00E-55 225.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038778 6573 392.9 UdeM00000038778 XP_021352792.1 30.3 809
 511 14 64 855 102 874 1.00E-105 392.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038779 1735272 146.7 UdeM00000038779 XP_041362996.1 31.5
 355 216 11 17 362 27 363 9.50E-32 146.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038780 77115 70.1 UdeM00000038780 XP_038144245.1 44.4 72
 40 0 1 72 315 386 1.30E-09 70.1 77115 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinod
 ontini;Cyprinodon;Cyprinodon tularosa
 UdeM00000038781 29159 182.6 UdeM00000038781 XP_034334268.1 60.7 135
 50 1 59 193 129 260 4.90E-43 182.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038782 6573 167.2 UdeM00000038782 XP_021352792.1 33.3 258
 144 5 19 248 617 874 2.70E-38 167.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038783 6573 394.8 UdeM00000038783 XP_021352792.1 31.1 794
 503 16 84 855 103 874 2.80E-106 394.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015602 29159 81.6 UdeM00000015602 XP_034302429.1 30.5 151
 97 3 20 166 307 453 1.00E-12 81.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015601 6596 83.2 UdeM00000015601 XP_045177112.1 27.5 222
 130 7 21 211 268 489 4.40E-13 83.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015603 6596 276.6 UdeM00000015603 XP_045206084.1 34 509
 313 14 70 569 49 543 1.10E-70 276.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015604 6596 279.3 UdeM00000015604 XP_045206084.1 35.2 460
285 10 106 555 78 534 1.10E-71 279.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015606 6596 75.9 UdeM00000015606 XP_045208571.1 33.1 169
103 5 1 166 1 162 5.70E-11 75.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015607 6596 107.8 UdeM00000015607 XP_045177032.1 41.2 153
84 3 3 153 1 149 1.30E-20 107.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015608 29159 71.6 UdeM00000015608 XP_034325686.1 31.9 160
101 3 8 160 10 168 1.10E-09 71.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015609 219594 595.9 UdeM00000015609 XP_032040424.1 27.5
1664 1048 47 16 1611 861 2433 1.50E-166 595.9 219594
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Galloanserae;Anseriformes;Anatidae;Aythyinae;Aythya;Aythya fuligula

UdeM00000015610 6596 124.4 UdeM00000015610 XP_045177580.1 29.1 258
146 4 19 275 4 225 2.20E-25 124.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015611 50402 488 UdeM00000015611 XP_009888669.1 26 1360
914 30 6 1327 1121 2426 3.70E-134 488 50402 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Charadriiformes;Charadriidae;Charadrius;Charadrius vociferus

UdeM00000015613 219594 593.2 UdeM00000015613 XP_032040424.1 27.2
1663 1056 45 16 1613 861 2433 1.00E-165 593.2 219594
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel

osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Galloanserae;Anseriformes;Anatidae;Aythyinae;Aythya;Aythya fuligula

UdeM00000015614 441366 392.1 UdeM00000015614 XP_028318209.1 57.4
284 121 0 1 284 671 954 6.00E-106 392.1 441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000015615 6573 115.9 UdeM00000015615 XP_021374984.1 63 81
29 1 441 521 216 295 1.50E-22 115.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015616 6596 80.1 UdeM00000015616 XP_045161982.1 52.9 70
33 0 1 70 1 70 1.30E-12 80.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015618 7604 187.2 UdeM00000015618 XP_033641610.1 35.6 270
166 4 5 268 42 309 2.70E-44 187.2 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatacida;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000015619 1250792 171.4 UdeM00000015619 XP_041861569.1 36.6
254 146 8 17 263 368 613 1.60E-39 171.4 1250792

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000015621 1250792 72 UdeM00000015621 XP_041861567.1 50
68 34 0 66 133 601 668 6.40E-10 72 1250792

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000015622 6565 173.3 UdeM00000015622 XP_022333382.1 50.7 148
72 1 1 148 219 365 2.30E-40 173.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015623 6565 102.8 UdeM00000015623 XP_022333382.1 50.6 89
43 1 1 89 253 340 2.40E-19 102.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000015624 6565 162.5 UdeM00000015624 XP_022333382.1 56.1 123
53 1 1 123 219 340 3.50E-37 162.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000015625 6565 242.7 UdeM00000015625 XP_022333382.1 56.3 197
81 1 13 204 1 197 4.30E-61 242.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000015626 6579 204.9 UdeM00000015626 XP_033728194.1 35.2 366
224 5 1 357 282 643 1.70E-49 204.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000015627 1735272 338.2 UdeM00000015627 XP_041372570.1 62.7
241 90 0 2 242 140 380 8.70E-90 338.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000015628 6596 69.7 UdeM00000015628 XP_045202117.1 47.1 68
36 0 43 110 7 74 3.10E-09 69.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015630 37621 71.6 UdeM00000015630 XP_014676916.1 36 111
71 0 6 116 140 250 1.10E-09 71.6 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus
UdeM00000015631 441366 439.1 UdeM00000015631 XP_028318232.1 57.9
323 136 0 2 324 71 393 4.80E-120 439.1 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi
UdeM00000015632 6596 466.5 UdeM00000015632 XP_045156247.1 42.9 597
306 9 8 602 192 755 5.30E-128 466.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015633 151771 94 UdeM00000015633 XP_028417120.1 27.9
269 166 6 6 247 6 273 3.50E-16 94 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea

UdeM00000015634	210409	123.6	UdeM00000015634	XP_045107160.1	43.3				
134	74	1	1	132	171	304	1.80E-25	123.6	210409

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Bra
chyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus
trituberculatus

UdeM00000015635	90988	362.1	UdeM00000015635	XP_039537529.1	52.8	326			
150	1	75	400	103	424	9.30E-97	362.1	90988	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
idei;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas

UdeM00000015636	441366	308.9	UdeM00000015636	XP_028318232.1	62.4				
210	79	0	1	210	165	374	5.00E-81	308.9	441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
willdenowi

UdeM00000015637	151771	280	UdeM00000015637	XP_028408207.1	42.6				
329	149	5	2	292	280	606	3.40E-72	280	151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea

UdeM00000015638	7741	229.2	UdeM00000015638	XP_019622111.1	45.8	251			
133	3	2	251	30	278	5.90E-57	229.2	7741	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri

UdeM00000015642	210409	56.6	UdeM00000015642	XP_045105039.1	64.7				
34	12	0	4	37	10	43	9.40E-06	56.6	210409

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Bra
chyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus
trituberculatus

UdeM00000015643	210409	127.5	UdeM00000015643	XP_045107160.1	44.8				
134	72	1	1	132	171	304	1.30E-26	127.5	210409

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Bra

chyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus trituberculatus

UdeM00000015644	1735272	171.4	UdeM00000015644	XP_041372570.1	65				
120	42	0	1	120	202	321	7.10E-40	171.4	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015645	1735272	278.1	UdeM00000015645	XP_041372570.1	62.6				
203	76	0	1	203	178	380	9.00E-72	278.1	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015646	1735272	266.5	UdeM00000015646	XP_041372570.1	63.6				
187	68	0	1	187	178	364	2.70E-68	266.5	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015647	50390	151	UdeM00000015647	XP_028140040.1	56.2	112			
49	0	2	113	186	297	1.00E-33	151	50390	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000015648	1735272	170.2	UdeM00000015648	XP_041372570.1	64.2				
120	43	0	1	120	202	321	1.60E-39	170.2	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015649	441366	465.7	UdeM00000015649	XP_028318215.1	56.7				
358	150	2	2	355	372	728	5.30E-128	465.7	441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteoromorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000015650	150288	480.3	UdeM00000015650	XP_020788097.1	56.1				
358	155	1	2	357	215	572	2.10E-132	480.3	150288

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteoromorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000015651 70779 83.6 UdeM00000015651 XP_015777172.1 38.7 93
 57 0 6 98 45 137 1.70E-13 83.6 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera

UdeM00000015652 50390 578.9 UdeM00000015652 XP_028154228.1 53.6 403
 187 0 1 403 126 528 5.00E-162 578.9 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000044436 6596 114.8 UdeM00000044436 XP_045180427.1 39 177
 105 2 76 250 98 273 1.70E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000044437 6526 72.4 UdeM00000044437 XP_013065713.1 26.6 222
 120 7 40 254 1085 1270 1.50E-09 72.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoida;Planorbidae;Biomphalaria;Biomphalaria
 glabrata

UdeM00000029148 6565 211.1 UdeM00000029148 XP_022327987.1 44.5 218
 119 1 2 217 34 251 2.00E-51 211.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029149 6596 213 UdeM00000029149 XP_045210908.1 43.3 238
 127 4 21 251 38 274 4.40E-52 213 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029151 6565 215.3 UdeM00000029151 XP_022327987.1 45.4 218
 115 1 2 215 34 251 1.50E-52 215.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029152 6596 555.8 UdeM00000029152 XP_045190076.1 52.7 573
 221 4 108 642 51 611 7.10E-155 555.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029153 7167 137.1 UdeM00000029153 XP_035787911.1 24.1 507
 224 11 12 365 49 547 4.70E-29 137.1 7167 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Anophelinae;Anopheles;Nyssorhynchus;albimanus
 section;albimanus series;Anopheles albimanus

UdeM00000029154 6565 219.9 UdeM00000029154 XP_022327987.1 46.3 218
 115 1 2 217 34 251 3.60E-54 219.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029155 6596 219.2 UdeM00000029155 XP_045210908.1 45.7 232
 117 3 27 249 43 274 9.80E-54 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029157 7739 87 UdeM00000029157 XP_035698725.1 31.5 168
 102 3 1 167 168 323 3.50E-14 87 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000029158 6596 556.2 UdeM00000029158 XP_045190076.1 52.7 573
 221 4 108 642 51 611 5.50E-155 556.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029161 6579 86.7 UdeM00000029161 XP_033757657.1 27.6 250
 165 5 34 280 425 661 5.30E-14 86.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029162 6526 80.1 UdeM00000029162 XP_013089956.1 34.2 146
 81 4 16 160 10 141 3.00E-12 80.1 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000029164 6565 179.9 UdeM00000029164 XP_022327987.1 41.7 218
 96 2 2 188 34 251 3.60E-42 179.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029166 151771 342.8 UdeM00000029166 XP_028417042.1 46.9
 426 191 12 1 407 745 1154 6.00E-91 342.8 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029167 6565 105.5 UdeM00000029167 XP_022305631.1 48.2 110
 57 0 1 110 18 127 4.90E-20 105.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029168 6596 196.1 UdeM00000029168 XP_045172484.1 24 667
 457 15 8 650 70 710 1.50E-46 196.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029170 6596 419.9 UdeM00000029170 XP_045198998.1 44.4 513
 273 5 88 593 137 644 5.60E-114 419.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029171 6596 76.6 UdeM00000029171 XP_045166996.1 55 60
 27 0 103 162 395 454 3.20E-11 76.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029172 6596 632.1 UdeM00000029172 XP_045169182.1 57.1 560
 211 5 1 536 1 555 6.70E-178 632.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029173 6573 114.8 UdeM00000029173 XP_021368347.1 23.9 489
 331 12 31 502 169 633 3.40E-22 114.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029174 6596 159.1 UdeM00000029174 XP_045193365.1 54.6 130
 59 0 1 130 106 235 4.00E-36 159.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029175 6596 206.8 UdeM00000029175 XP_045193365.1 56.6 166
 72 0 169 334 70 235 4.20E-50 206.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029176 1735272 61.6 UdeM00000029176 XP_041374757.1 53.8
 65 30 0 2 66 280 344 5.60E-07 61.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029178 6596 184.9 UdeM00000029178 XP_045193365.1 49.2 181
 77 1 17 197 70 235 1.00E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029179 6596 186.4 UdeM00000029179 XP_045193365.1 54.2 166
 76 0 202 367 70 235 6.50E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029181 6596 206.5 UdeM00000029181 XP_045193365.1 55.4 166
 74 0 171 336 72 237 5.60E-50 206.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029182 6596 225.3 UdeM00000029182 XP_045193365.1 59 178
 72 1 244 420 68 245 1.40E-55 225.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029183 6596 225.7 UdeM00000029183 XP_045193365.1 56.5 186
 79 2 59 242 58 243 6.40E-56 225.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029185 6596 201.1 UdeM00000029185 XP_045193365.1 54.2 166
 76 0 186 351 72 237 2.40E-48 201.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029186 6596 218.8 UdeM00000029186 XP_045193365.1 57.3 178
 75 1 221 397 68 245 1.30E-53 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029187 6596 171.8 UdeM00000029187 XP_045193365.1 62.4 125
 46 1 1 124 119 243 5.80E-40 171.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029188 6596 141 UdeM00000029188 XP_045193365.1 60.4 106
 42 0 6 111 130 235 1.00E-30 141 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029189 6596 124 UdeM00000029189 XP_045202346.1 40 160
 92 2 6 164 16 172 2.00E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029190 6596 140.2 UdeM00000029190 XP_045183440.1 43.7 183
 52 2 1 132 198 380 3.40E-30 140.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029191 7574 95.1 UdeM00000029191 XP_013396733.1 34.3 198
 87 4 74 228 51 248 1.20E-16 95.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000029193 29159 203 UdeM00000029193 XP_034302502.1 45 240
 130 2 12 250 103 341 5.20E-49 203 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029194 6565 260.8 UdeM00000029194 XP_022326632.1 52.7 222
 104 1 8 229 78 298 1.70E-66 260.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029196 6579 93.6 UdeM00000029196 XP_033726575.1 30.5 190
 121 3 84 267 180 364 4.50E-16 93.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029197 6579 104.8 UdeM00000029197 XP_033726576.1 79.4 63
 9 2 25 83 13 75 5.60E-20 104.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029198 6596 146.7 UdeM00000029198 XP_045187141.1 89.2 74
 8 0 5 78 734 807 3.20E-32 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029199 6596 146.7 UdeM00000029199 XP_045187141.1 89.2 74
 8 0 5 78 734 807 3.20E-32 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029200 6579 261.9 UdeM00000029200 XP_033727722.1 74.5 165
 39 1 34 198 480 641 6.70E-67 261.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029201 6596 241.9 UdeM00000029201 XP_045164592.1 59.9 182
 73 0 1 182 1 182 6.90E-61 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029202 6579 5529.9 UdeM00000029202 XP_033735276.1 82.1
 3360 593 7 6 3361 3 3356 0.00E+00 5529.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029203 6579 7630.4 UdeM00000029203 XP_033735278.1 81.7
4654 839 10 6 4652 3 4649 0.00E+00 7630.4 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029204 6596 2207.9 UdeM00000029204 XP_045213463.1 80.3
1346 264 1 1 1346 3060 4404 0.00E+00 2207.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029205 6596 2200.6 UdeM00000029205 XP_045213463.1 80.3
1346 259 2 1 1341 3060 4404 0.00E+00 2200.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029206 6596 780.8 UdeM00000029206 XP_045172841.1 94.8 440
23 0 13 452 1 440 9.50E-223 780.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029207 6596 780 UdeM00000029207 XP_045172841.1 94.8 440
23 0 1 440 1 440 1.60E-222 780 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029209 6573 248.8 UdeM00000029209 XP_021378476.1 78.3 152
31 1 1 152 1 150 4.50E-63 248.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029210 6573 217.6 UdeM00000029210 XP_021378476.1 76.9 134
29 1 3 136 19 150 9.90E-54 217.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029208 6596 1164.4 UdeM00000029208 XP_045187418.1 57.2
1087 382 12 1 1076 1 1015 0.00E+00 1164.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029211 6596 652.9 UdeM00000029211 XP_045187418.1 49.9 700
324 11 6 694 332 1015 4.60E-184 652.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029212 8932 139 UdeM00000029212 XP_005500038.2 57.3 110
47 0 1 110 77 186 3.60E-30 139 8932 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Columbiformes;Columbidae;Columba;Columba livia

UdeM00000029213 1735272 154.8 UdeM00000029213 XP_041352716.1 60.3
121 47 1 1 120 1 121 7.00E-35 154.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029214 6596 1275.8 UdeM00000029214 XP_045159161.1 54.2
1501 470 26 2 1407 3 1380 0.00E+00 1275.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029215 1735272 189.1 UdeM00000029215 XP_041352715.1 45.6
252 112 7 44 282 699 938 7.60E-45 189.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029216 29159 411.8 UdeM00000029216 XP_011448802.2 56 339
147 2 3 341 17 353 8.80E-112 411.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029217 6565 451.8 UdeM00000029217 XP_022329309.1 57.2 388
159 4 7 390 12 396 8.70E-124 451.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029218 6573 641.7 UdeM00000029218 XP_021355259.1 61.7 577
158 11 2 541 5 555 8.20E-181 641.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029219 6579 657.5 UdeM00000029219 XP_033729129.1 64 566
160 9 2 539 5 554 1.40E-185 657.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029220 6596 849.4 UdeM00000029220 XP_045164957.1 68.6 633
196 3 1 631 1 632 3.00E-243 849.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029221	6579	1400.6		UdeM00000029221	XP_033735266.1	56.2	
	1275	534	12	1	1266	1	1259 0.00E+00 1400.6 6579

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029222	6596	708.8		UdeM00000029222	XP_045165002.1	79.7	408
	83	0	2	409	207	614	4.20E-201 708.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029223	6573	353.6		UdeM00000029223	XP_021359974.1	49.1	446
	195	8	5	432	3	434	3.60E-94 353.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029224	6573	204.5		UdeM00000029224	XP_021359974.1	45.2	314
	153	5	5	310	132	434	1.90E-49 204.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029226	6596	589.3		UdeM00000029226	XP_045172533.1	61.8	448
	165	4	61	505	66	510	4.50E-165 589.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029227	6596	589.3		UdeM00000029227	XP_045172533.1	61.8	448
	165	4	83	527	66	510	4.70E-165 589.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029228	6596	585.9		UdeM00000029228	XP_045172533.1	63.7	421
	150	2	5	423	91	510	4.20E-164 585.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029229	1735272		370.5	UdeM00000029229	XP_041354179.1	69.1	
	256	79	0	52	307	37	292 2.00E-99 370.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029230	6596	266.5		UdeM00000029230	XP_045166702.1	40.9	403
	211	8	1	386	1	393	5.10E-68 266.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029231 6596 414.1 UdeM00000029231 XP_045166690.1 68.2 296
 91 1 1 293 1 296 1.50E-112 414.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029232 6596 1627.1 UdeM00000029232 XP_045166679.1 72.4
 1261 331 12 17 1265 34 1289 0.00E+00 1627.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029233 6596 275.4 UdeM00000029233 XP_045187326.1 51.8 280
 124 3 8 286 67 336 8.70E-71 275.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029234 6596 272.7 UdeM00000029234 XP_045161066.1 52.2 255
 120 1 11 265 5 257 5.20E-70 272.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029235 6596 144.1 UdeM00000029235 XP_045187324.1 39.9 158
 94 1 3 160 327 483 1.70E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029236 6579 154.8 UdeM00000029236 XP_033733873.1 50 172
 76 2 12 180 10 174 3.80E-34 154.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029237 6596 967.2 UdeM00000029237 XP_045169951.1 80.7 579
 112 0 11 589 10 588 9.30E-279 967.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029238 29159 376.3 UdeM00000029238 XP_011441045.2 47.1 586
 267 14 217 788 166 722 9.50E-101 376.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029239 29159 376.3 UdeM00000029239 XP_011441045.2 47.1 586
 267 14 179 750 166 722 9.00E-101 376.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029240 6596 719.5 UdeM00000029240 XP_045170735.1 56.4 724
 267 7 1 679 1 720 3.90E-204 719.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029241 6596 458.8 UdeM00000029241 XP_045170735.1 56.9 499
168 6 1 456 1 495 9.20E-126 458.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029242 6573 621.3 UdeM00000029242 XP_021353706.1 65.8 421
144 0 1 421 6 426 8.90E-175 621.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029243 6596 1785.8 UdeM00000029243 XP_045162147.1 60.7
1425 542 5 1 1419 429 1841 0.00E+00 1785.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029244 6596 75.1 UdeM00000029244 XP_045162224.1 30.6 235
131 7 3 207 5 237 1.20E-10 75.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029246 6565 714.5 UdeM00000029246 XP_022331834.1 42.2 813
391 9 120 862 15 818 1.60E-202 714.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029247 29159 154.8 UdeM00000029247 XP_034324507.1 41.8 208
120 1 7 214 585 791 1.20E-34 154.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029248 1735272 1874.4 UdeM00000029248 XP_041351068.1
36.5 2940 1793 28 2 2916 1013 3902 0.00E+00 1874.4
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029249 1735272 1877.1 UdeM00000029249 XP_041351068.1
36.5 2940 1789 29 2 2914 1013 3902 0.00E+00 1877.1
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029251 7574 310.8 UdeM00000029251 XP_013381563.1 45.4 326
158 7 9 322 68 385 2.10E-81 310.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000029252 7574 330.1 UdeM00000029252 XP_013381563.1 44.7 347
172 7 69 403 50 388 4.20E-87 330.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000029253 6565 520 UdeM00000029253 XP_022334993.1 38.1 830
308 13 1 648 1 806 4.30E-144 520 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000029254 6565 212.6 UdeM00000029254 XP_022287303.1 34.2 310
190 7 6 303 443 750 6.90E-52 212.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000029255 6565 125.9 UdeM00000029255 XP_022334997.1 42.6 155
84 3 3 154 28 180 4.40E-26 125.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000029256 6596 427.2 UdeM00000029256 XP_045160382.1 57.6 363
152 2 1 362 1 362 2.10E-116 427.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000029257 6596 493.4 UdeM00000029257 XP_045160402.1 62.9 372
137 1 7 377 5 376 2.50E-136 493.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000029258 1735272 503.8 UdeM00000029258 XP_041353805.1 48.2
523 266 5 22 543 18 536 2.70E-139 503.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000029259 1735272 92 UdeM00000029259 XP_041353807.1 41.7
127 72 1 95 221 90 214 1.10E-15 92 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000029260 6596 136 UdeM00000029260 XP_045167114.1 47.4 154
76 2 7 159 8 157 4.30E-29 136 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000029261 6596 186 UdeM00000029261 XP_045167114.1 66.4 119
40 0 2 120 179 297 2.80E-44 186 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029262 400727 300.1 UdeM00000029262 XP_025104663.1 51.1
278 129 4 4 277 3 277 3.10E-78 300.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000029263 6596 177.6 UdeM00000029263 XP_045184682.1 36.3 300
173 10 5 294 9 300 2.40E-41 177.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029264 400727 299.7 UdeM00000029264 XP_025104663.1 49.8
277 133 4 2 274 1 275 3.90E-78 299.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000029265 400727 416.4 UdeM00000029265 XP_025104046.1 64.2
318 113 1 8 324 3 320 3.40E-113 416.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000029267 218467 282.7 UdeM00000029267 XP_023220322.1 47.2
305 157 3 1 303 303 605 5.40E-73 282.7 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000029266 114398 223 UdeM00000029266 XP_042913023.1 30.8
490 145 4 1 296 104 593 5.00E-55 223 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM00000029268 6596 397.9 UdeM00000029268 XP_045187911.1 55.9 331
142 2 5 333 13 341 1.30E-107 397.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029269 6596 388.7 UdeM00000029269 XP_045170432.1 61.6 359
125 5 1 351 1 354 8.20E-105 388.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029270 6573 575.1 UdeM00000029270 XP_021361734.1 65 468
 156 5 28 489 391 856 8.70E-161 575.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029271 37653 473 UdeM00000029271 XP_014790445.1 70.9 350
 92 2 1 348 1 342 3.20E-130 473 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000029272 6596 595.9 UdeM00000029272 XP_045175141.1 44.7 788
 372 18 5 765 9 759 7.30E-167 595.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029273 6596 442.6 UdeM00000029273 XP_045175121.1 72.8 364
 83 5 1 357 1 355 4.80E-121 442.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029274 6579 902.1 UdeM00000029274 XP_033734273.1 77.6 563
 124 1 1 561 1 563 3.50E-259 902.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029275 29159 1956 UdeM00000029275 XP_034325685.1 75.2 1255
 309 2 1 1254 1 1254 0.00E+00 1956 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029276 6596 778.9 UdeM00000029276 XP_045216006.1 79.9 473
 94 1 18 489 338 810 4.00E-222 778.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029278 225164 193.7 UdeM00000029278 XP_009053113.1 75.9
 112 27 0 1 112 1 112 1.30E-46 193.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000029279 6596 322 UdeM00000029279 XP_045187052.1 47.9 334
 169 3 45 377 32 361 1.20E-84 322 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029280 7604 298.1 UdeM00000029280 XP_033633146.1 40.8 390
 213 3 296 667 29 418 3.40E-77 298.1 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteriidae;Asterias;Asterias rubens
 UdeM00000029281 6526 156.4 UdeM00000029281 XP_013069506.1 60.2 118
 43 2 8 125 47 160 2.70E-35 156.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000029282 6596 138.7 UdeM00000029282 XP_045172952.1 39.2 194
 37 1 88 200 8 201 8.40E-30 138.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029283 37653 80.9 UdeM00000029283 XP_014774932.1 38.2 102
 58 3 113 211 1990 2089 2.20E-12 80.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000029284 114398 348.6 UdeM00000029284 XP_042903861.1 34.2
 605 324 5 1 534 1 602 1.40E-92 348.6 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000029285 6596 685.3 UdeM00000029285 XP_045186907.1 48.5 1173
 492 33 23 1173 973 2055 1.40E-193 685.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029286 6579 431.4 UdeM00000029286 XP_033736355.1 74.7 281
 69 1 149 427 731 1011 1.40E-117 431.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029287 6596 112.1 UdeM00000029287 XP_045186907.1 30.7 306
 132 11 1 229 55 357 1.00E-21 112.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029288 7574 313.9 UdeM00000029288 XP_013381563.1 41.1 377
 210 3 19 385 11 385 3.00E-82 313.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000029289 7574 69.3 UdeM00000029289 XP_013381563.1 47.5 61
 32 0 68 128 55 115 4.00E-09 69.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000029290 7574 208.8 UdeM00000029290 XP_013381563.1 42.3 234
 126 1 1 225 154 387 8.30E-51 208.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000029291 7574 314.7 UdeM00000029291 XP_013381563.1 45.1 335
 173 2 68 393 55 387 1.80E-82 314.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000029292 7574 320.9 UdeM00000029292 XP_013381563.1 45 333
 172 2 68 391 55 385 2.50E-84 320.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000029293 6596 710.3 UdeM00000029293 XP_045183449.1 56.7 645
 174 6 228 776 225 860 2.70E-201 710.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029294 6579 362.5 UdeM00000029294 XP_033734265.1 86.9 175
 23 0 1 175 1 175 3.10E-97 362.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029301 6596 215.7 UdeM00000029301 XP_045173449.1 33.6 324
 203 5 8 330 17 329 1.60E-52 215.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029302 6573 125.2 UdeM00000029302 XP_021353616.1 33.7 249
 134 9 12 231 1251 1497 1.20E-25 125.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029303 6565 443.7 UdeM00000029303 XP_022330944.1 72.2 291
 81 0 1 291 1 291 1.80E-121 443.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029304 6573 526.2 UdeM00000029304 XP_021366974.1 45.5 793
 365 9 1 759 1 760 7.10E-146 526.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029305 6579 641.3 UdeM00000029305 XP_033734747.1 49.5 679
 325 8 28 695 8 679 1.40E-180 641.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029306 6579 511.5 UdeM00000029306 XP_033734749.1 63.5 469
 137 13 8 455 32 487 1.10E-141 511.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029307 29159 486.1 UdeM00000029307 XP_034324250.1 75.4 317
78 0 6 322 265 581 3.40E-134 486.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029309 6596 68.9 UdeM00000029309 XP_045159213.1 62.7 51
19 0 1 51 12 62 3.20E-09 68.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029310 6579 399.8 UdeM00000029310 XP_033735461.1 71.2 299
74 4 1 297 124 412 3.00E-108 399.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029311 7054 203 UdeM00000029311 XP_031350480.1 53.3 167
77 1 1 166 301 467 3.00E-49 203 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000029312 2607531 60.1 UdeM00000029312 XP_029638196.1 38.7
111 53 2 1 111 1 96 2.60E-06 60.1 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000029313 6565 879.8 UdeM00000029313 XP_022332635.1 58.3 841
343 4 2 836 3 841 2.80E-252 879.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029316 6596 695.7 UdeM00000029316 XP_045185658.1 59.9 611
226 8 3 597 12 619 5.30E-197 695.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029317 6596 240 UdeM00000029317 XP_045187444.1 53.5 260
111 4 1 259 1 251 4.40E-60 240 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029318 1735272 240.7 UdeM00000029318 XP_041351861.1 36.9
388 184 6 25 356 9 391 2.80E-60 240.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029319 6596 211.5 UdeM00000029319 XP_045163837.1 54 211
 83 3 13 222 1 198 1.10E-51 211.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029320 29159 106.3 UdeM00000029320 XP_034325540.1 34.6 159
 101 3 5 162 18 174 3.80E-20 106.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029321 29159 561.2 UdeM00000029321 XP_034325551.1 61.1 427
 166 0 3 429 281 707 2.10E-156 561.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029321 29159 80.1 UdeM00000029321 XP_034325551.1 51.1 90
 35 4 653 737 1787 1872 1.40E-11 80.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029322 29159 462.6 UdeM00000029322 XP_019926413.2 71.6 334
 81 4 1 326 239 566 8.10E-127 462.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029323 6596 132.1 UdeM00000029323 XP_045163898.1 33.7 288
 160 4 2 261 1119 1403 1.10E-27 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029324 6579 209.5 UdeM00000029324 XP_033734412.1 37.6 386
 205 7 1 361 49 423 7.50E-51 209.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029325 6596 459.9 UdeM00000029325 XP_045187294.1 51.2 471
 196 7 24 490 27 467 5.80E-126 459.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029326 29159 851.3 UdeM00000029326 XP_034325827.1 84.6 521
 74 1 7 521 13 533 6.60E-244 851.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029327 6596 201.1 UdeM00000029327 XP_045187296.1 47.6 210
 110 0 1 210 209 418 1.40E-48 201.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029328 6596 171.8 UdeM00000029328 XP_045187296.1 39 254
 100 7 1 250 1 203 1.40E-39 171.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029329 6596 191 UdeM00000029329 XP_045187297.1 72.7 128
 33 1 1 128 69 194 9.10E-46 191 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029330 6596 272.3 UdeM00000029330 XP_045187297.1 68.4 190
 58 1 1 190 7 194 4.60E-70 272.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029331 6596 971.1 UdeM00000029331 XP_045187298.1 56.3 891
 375 6 1 891 1 877 1.10E-279 971.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029332 37621 91.7 UdeM00000029332 XP_014666210.1 36.3 204
 108 4 104 299 223 412 1.90E-15 91.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000029335 6596 157.5 UdeM00000029335 XP_045182338.1 39.1 312
 171 9 3 307 8 307 3.60E-35 157.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029339 6596 630.2 UdeM00000029339 XP_045187479.1 82.5 485
 69 9 1 473 20 500 2.20E-177 630.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029340 6596 333.6 UdeM00000029340 XP_045187479.1 87 192
 21 4 1 188 20 211 1.90E-88 333.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043508 6565 201.4 UdeM00000043508 XP_022297447.1 51 196
 80 2 1 180 71 266 1.80E-48 201.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043510 70779 111.3 UdeM00000043510 XP_015764363.1 33.2 184
 104 3 5 170 6 188 1.20E-21 111.3 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera

UdeM00000043512 48498 152.9 UdeM00000043512 XP_020608168.1 26.8 497
280 20 32 494 100 546 1.40E-33 152.9 48498 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata

UdeM00000043515 6596 132.1 UdeM00000043515 XP_045208720.1 25.1 545
305 10 5 455 754 1289 1.80E-27 132.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043516 6596 132.5 UdeM00000043516 XP_045209416.1 30.7 348
214 12 33 369 679 1010 1.20E-27 132.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043517 6596 105.1 UdeM00000043517 XP_045208721.1 34.4 186
115 4 7 190 719 899 1.10E-19 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043518 6596 66.6 UdeM00000043518 XP_045209522.1 31 145
92 4 27 166 203 344 4.00E-08 66.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043519 6596 117.5 UdeM00000043519 XP_045208721.1 34.6 234
142 7 103 332 679 905 3.90E-23 117.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043521 29159 144.8 UdeM00000043521 XP_034305965.1 37.3 212
116 5 6 216 6 201 1.30E-31 144.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043522 29159 335.9 UdeM00000043522 XP_034311318.1 42.6 465
230 12 1 435 167 624 8.80E-89 335.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043524 6596 109.8 UdeM00000043524 XP_045209522.1 39.4 175
101 3 7 176 179 353 4.30E-21 109.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000043523 6596 109.4 UdeM000000043523 XP_045209522.1 43.1 153
 82 3 90 237 201 353 7.30E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000005455 29159 111.3 UdeM000000005455 XP_011439204.2 28.9 253
 174 3 5 255 114 362 1.80E-21 111.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM000000005456 6596 73.9 UdeM000000005456 XP_045176656.1 30.8 130
 87 1 111 240 368 494 3.00E-10 73.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000005457 6573 149.1 UdeM000000005457 XP_021340030.1 28.2 380
 258 2 3 370 9 385 1.20E-32 149.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM000000005458 6573 61.6 UdeM000000005458 XP_021354431.1 37.2 78
 49 0 1 78 663 740 6.50E-07 61.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM000000005459 6596 86.3 UdeM000000005459 XP_045175479.1 31 142
 98 0 4 145 21 162 6.00E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000005460 6573 172.9 UdeM000000005460 XP_021340030.1 31.1 412
 272 5 5 405 11 421 8.50E-40 172.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM000000005461 7574 86.7 UdeM000000005461 XP_023931762.1 77.3 44
 10 0 26 69 254 297 1.40E-14 86.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM000000005462 29159 629.8 UdeM000000005462 XP_011425180.2 68.4 751
 202 7 1 727 1 740 4.50E-177 629.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM000000005463 2607531 164.9 UdeM000000005463 XP_029634756.1 52.6
 173 75 1 15 180 806 978 9.90E-38 164.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000005464 6579 93.6 UdeM00000005464 XP_033726575.1 33.1 154
 99 1 114 267 215 364 4.50E-16 93.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005465 6596 155.6 UdeM00000005465 XP_045187141.1 63.8 127
 36 2 23 146 527 646 5.70E-35 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005466 6596 158.3 UdeM00000005466 XP_045187141.1 62.6 131
 39 2 21 148 523 646 8.90E-36 158.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011684 400727 471.5 UdeM00000011684 XP_025097195.1 71.1
 329 78 3 10 326 18 341 8.90E-130 471.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000011686 6579 288.9 UdeM00000011686 XP_033740715.1 77.8 171
 37 1 1 171 1 170 4.80E-75 288.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011685 6579 347.4 UdeM00000011685 XP_033740715.1 72.9 229
 57 3 1 225 1 228 1.30E-92 347.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011687 6579 213.8 UdeM00000011687 XP_033744301.1 53.9 191
 79 2 1 189 59 242 1.90E-52 213.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011688 6573 168.7 UdeM00000011688 XP_021378265.1 47.4 196
 93 2 1 196 1 186 7.70E-39 168.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011693 6596 236.9 UdeM00000011693 XP_045161741.1 41.1 309
 168 4 5 299 113 421 3.50E-59 236.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011694 6596 120.9 UdeM00000011694 XP_045161739.1 47.1 119
 63 0 5 123 110 228 1.40E-24 120.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011696 6596 238.8 UdeM00000011696 XP_045161741.1 44.1 272
 145 3 5 269 113 384 9.20E-60 238.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011697 6596 112.8 UdeM00000011697 XP_045161741.1 39.4 188
 101 4 4 180 235 420 4.70E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011698 6596 169.1 UdeM00000011698 XP_045163028.1 33.7 350
 143 5 18 288 25 364 9.60E-39 169.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011702 6596 704.1 UdeM00000011702 XP_045196696.1 68 500
 154 4 7 501 11 509 1.30E-199 704.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011704 29159 132.5 UdeM00000011704 XP_034316161.1 51.7 118
 57 0 1 118 718 835 4.20E-28 132.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011705 6596 246.1 UdeM00000011705 XP_045197796.1 60.2 186
 74 0 3 188 30 215 3.50E-62 246.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011706 6596 465.3 UdeM00000011706 XP_045198580.1 64.9 333
 117 0 22 354 1 333 6.90E-128 465.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011707 6573 530 UdeM00000011707 XP_021366754.1 41 1178
 340 20 5 832 36 1208 5.80E-147 530 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011708 6596 719.5 UdeM00000011708 XP_045196933.1 69.1 521
 150 5 20 533 1139 1655 3.10E-204 719.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000011709 29159 215.3 UdeM00000011709 XP_034322594.1 42.2 322
 145 11 17 306 99 411 1.80E-52 215.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011709 29159 98.2 UdeM00000011709 XP_034322594.1 36.7 196
 107 4 268 448 1127 1320 3.20E-17 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011710 6579 1391.3 UdeM00000011710 XP_033747009.1 51.9
 1363 608 9 197 1525 112 1460 0.00E+00 1391.3 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011711 6565 473 UdeM00000011711 XP_022288182.1 70.7 304
 89 0 1 304 388 691 2.90E-130 473 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011712 6565 515.8 UdeM00000011712 XP_022288182.1 70.6 347
 101 1 4 350 390 735 4.40E-143 515.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011713 29159 500.7 UdeM00000011713 XP_034334413.1 65.7 382
 123 3 1 381 1 375 1.60E-138 500.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011714 6573 158.7 UdeM00000011714 XP_021380033.1 48.6 177
 89 2 1 177 1 175 6.90E-36 158.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011715 6573 162.5 UdeM00000011715 XP_021380033.1 48.9 176
 89 1 1 176 1 175 4.80E-37 162.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011716 6596 136 UdeM00000011716 XP_045182943.1 43.7 158
 79 5 1 153 1 153 4.20E-29 136 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011718 6596 139.4 UdeM00000011718 XP_045197826.1 48.9 188
 85 3 1 181 14 197 4.50E-30 139.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000011719 6596 139.8 UdeM00000011719 XP_045197826.1 51.8 164
 70 3 11 169 42 201 3.30E-30 139.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011720 6596 89.4 UdeM00000011720 XP_045199201.1 33.2 187
 115 4 78 255 97 282 8.50E-15 89.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011721 6500 691.8 UdeM00000011721 XP_005107019.1 52.1 687
 307 9 33 701 33 715 1.10E-195 691.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000011722 6500 647.1 UdeM00000011722 XP_005107019.1 49.5 703
 317 13 33 704 33 728 2.70E-182 647.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000011724 6579 103.2 UdeM00000011724 XP_033729790.1 46.2 104
 56 0 10 113 17 120 2.20E-19 103.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011725 6596 261.2 UdeM00000011725 XP_045196022.1 60.7 211
 81 1 1 209 1 211 1.20E-66 261.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011727 6565 223 UdeM00000011727 XP_022344558.1 57.1 184
 77 1 1 184 3 184 3.10E-55 223 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011728 6565 223 UdeM00000011728 XP_022344558.1 57.1 184
 77 1 1 184 3 184 3.10E-55 223 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011730 6565 217.2 UdeM00000011730 XP_022344558.1 56 184
 79 1 1 184 3 184 1.70E-53 217.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011731 1735272 109.4 UdeM00000011731 XP_041379021.1 41.1
 124 70 1 348 468 36 159 1.30E-20 109.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011733 6596 226.1 UdeM00000011733 XP_045195330.1 43.7 252
 140 2 1 251 242 492 5.00E-56 226.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011732 6596 364.8 UdeM00000011732 XP_045195330.1 44.3 420
 223 6 57 471 79 492 1.70E-97 364.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011734 6596 137.1 UdeM00000011734 XP_045195300.1 42.2 187
 97 5 35 215 19 200 2.80E-29 137.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011735 6596 365.2 UdeM00000011735 XP_045195330.1 43.7 421
 224 7 57 471 79 492 1.30E-97 365.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011737 6596 307.8 UdeM00000011737 XP_045198124.1 26.8 620
 399 4 1 566 684 1302 3.00E-80 307.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011738 6565 90.1 UdeM00000011738 XP_022303012.1 37 100
 63 0 2 101 1062 1161 1.70E-15 90.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011739 6596 197.2 UdeM00000011739 XP_045198124.1 28.1 449
 272 8 1 402 885 1329 4.00E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011740 6565 184.9 UdeM00000011740 XP_022303012.1 28.9 380
 227 5 6 343 788 1166 1.80E-43 184.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011741 6596 156.4 UdeM00000011741 XP_045198124.1 32.8 241
 160 2 5 244 949 1188 4.70E-35 156.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011742 6596 202.2 UdeM00000011742 XP_045186644.1 39.8 249
 149 1 8 255 287 535 7.90E-49 202.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011743 6573 100.9 UdeM00000011743 XP_021379506.1 52.8 89
41 1 122 209 170 258 2.00E-18 100.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011744 6596 534.3 UdeM00000011744 XP_045186644.1 33.9 984
558 28 170 1121 108 1031 3.80E-148 534.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011745 34773 72.8 UdeM00000011745 XP_041963929.1 29.9 154
95 3 2 149 101 247 4.70E-10 72.8 34773 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;Alosa sapidissima

UdeM00000011746 6596 1565.1 UdeM00000011746 XP_045198491.1 60.7
1354 482 15 45 1375 20 1346 0.00E+00 1565.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011748 6596 470.7 UdeM00000011748 XP_045197538.1 56.7 448
168 7 17 449 10 446 2.20E-129 470.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011749 6596 332.8 UdeM00000011749 XP_045197537.1 63.5 266
92 3 1 263 87 350 5.60E-88 332.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011750 6596 372.5 UdeM00000011750 XP_045197538.1 63.9 288
101 2 1 286 69 355 4.90E-100 372.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011751 7739 161 UdeM00000011751 XP_035666883.1 27.6 402
252 12 126 504 9 394 4.00E-36 161 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000011753 7741 84.7 UdeM00000011753 XP_019620827.1 41.7 103
55 2 3 103 180 279 8.30E-14 84.7 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000011755 10224 107.8 UdeM00000011755 XP_006813734.1 35.8 159
99 2 54 211 186 342 1.80E-20 107.8 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000011757 7741 160.2 UdeM00000011757 XP_019640989.1 30.1 316
206 8 199 506 85 393 6.80E-36 160.2 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000011758 6579 158.7 UdeM00000011758 XP_033759182.1 33.4 293
180 8 218 500 110 397 2.40E-35 158.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000011759 6596 75.1 UdeM00000011759 XP_045191365.1 33.6 137
83 3 58 188 17 151 1.10E-10 75.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011760 6596 61.2 UdeM00000011760 XP_045166452.1 33.3 108
69 2 26 133 292 396 1.40E-06 61.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011761 7668 119.8 UdeM00000011761 XP_030832292.1 34.3 204
115 5 2 204 257 442 4.10E-24 119.8 7668 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus
UdeM00000011762 7741 79.7 UdeM00000011762 XP_019636110.1 27.5 182
128 2 26 206 285 463 5.90E-12 79.7 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000011763 7741 82 UdeM00000011763 XP_019636110.1 27.7 184
129 2 28 210 283 463 1.20E-12 82 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000011764 45264 141.7 UdeM00000011764 XP_044180685.1 23 469
342 8 287 742 235 697 3.70E-30 141.7 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000011765 45264 142.5 UdeM00000011765 XP_044180685.1 22.9 472
343 8 275 734 235 697 2.10E-30 142.5 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000011766 6596 164.1 UdeM00000011766 XP_045191364.1 29.1 347
234 5 200 537 88 431 5.10E-37 164.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011768 6565 111.7 UdeM00000011768 XP_022330142.1 36.7 196
101 4 1 178 1 191 9.90E-22 111.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000011769 6573 1166 UdeM00000011769 XP_021362822.1 60.5 928
346 6 1 916 147 1065 0.00E+00 1166 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011770 6573 1134.4 UdeM00000011770 XP_021362822.1 56.2
1000 345 7 1 988 147 1065 0.00E+00 1134.4 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011771 6105 195.3 UdeM00000011771 XP_031572230.1 62.3 138
49 1 3 137 5 142 5.20E-47 195.3 6105 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000011772 6596 483.4 UdeM00000011772 XP_045195153.1 45.3 601
289 13 1 582 74 653 4.10E-133 483.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011773 45264 97.8 UdeM00000011773 XP_044184709.1 51.7 87
42 0 38 124 55 141 2.20E-17 97.8 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000011774 45264 201.8 UdeM00000011774 XP_044184031.1 42.7 281
130 8 1 257 213 486 1.00E-48 201.8 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000011775 45264 86.7 UdeM00000011775 XP_044165143.1 44.9 107
57 2 2 106 367 473 2.20E-14 86.7 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000011776 45264 141.4 UdeM00000011776 XP_044184028.1 48.2 168
82 3 27 193 68 231 1.50E-30 141.4 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000011777 6596 199.9 UdeM00000011777 XP_045195792.1 74 131
 32 1 1 131 1 129 2.00E-48 199.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011778 6596 159.1 UdeM00000011778 XP_045198836.1 31.2 449
 254 15 6 438 7 416 1.30E-35 159.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011779 6573 204.1 UdeM00000011779 XP_021359370.1 67.6 210
 60 2 1 202 1 210 1.70E-49 204.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011780 1735272 401 UdeM00000011780 XP_041351282.1 70.2
 289 86 0 4 292 3 291 1.30E-108 401 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011781 6573 1306.2 UdeM00000011781 XP_021359375.1 67.8
 929 296 2 1 927 1 928 0.00E+00 1306.2 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011782 7739 236.5 UdeM00000011782 XP_035677734.1 43.7 286
 154 4 104 384 708 991 6.30E-59 236.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000011783 7574 183.3 UdeM00000011783 XP_013401572.1 36 405
 223 13 83 471 32 416 9.90E-43 183.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000011784 7574 183.3 UdeM00000011784 XP_013401572.1 36 405
 223 13 82 470 32 416 9.90E-43 183.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000011785 9135 67.8 UdeM00000011785 XP_030088303.1 31.5 130
 77 4 82 201 27 154 2.40E-08 67.8 9135 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Passeriformes;Passeroidea;Fringillidae;Carduelinae;Serinus;Serin
 us canaria
 UdeM00000011786 6596 323.9 UdeM00000011786 XP_045192577.1 30.6 898
 495 43 88 913 97 938 6.40E-85 323.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011788 6596 63.2 UdeM00000011788 XP_045185049.1 59.6 47
19 0 5 51 190 236 1.60E-07 63.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011789 41895 132.1 UdeM00000011789 XP_044262289.1 34.6 243
137 6 1 234 306 535 2.30E-27 132.1 41895 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Tenebrionoidea;Tenebrionidae;Tenebrionidae incertae sedis;Tribolium;Tribolium madens

UdeM00000011790 6596 273.9 UdeM00000011790 XP_045170511.1 31.6 553
324 16 10 525 394 929 5.80E-70 273.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011791 6596 388.7 UdeM00000011791 XP_045170511.1 30.4 865
502 28 234 1028 95 929 2.80E-104 388.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011793 6573 287 UdeM00000011793 XP_021350250.1 28.2 1181
696 36 96 1207 99 1196 1.10E-73 287 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011794 6573 83.6 UdeM00000011794 XP_021350281.1 69.4 49
15 0 497 545 1845 1893 8.70E-13 83.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011795 6596 725.7 UdeM00000011795 XP_045195382.1 46.9 785
401 9 7 787 25 797 7.10E-206 725.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011796 6596 321.6 UdeM00000011796 XP_045174253.1 39.1 427
229 6 14 425 11 421 1.60E-84 321.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011797 6596 268.5 UdeM00000011797 XP_045174253.1 38.2 374
199 7 4 361 64 421 1.30E-68 268.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011798 6596 239.2 UdeM00000011798 XP_045177916.1 48.6 245
121 4 187 428 414 656 9.70E-60 239.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011799 29159 68.9 UdeM00000011799 XP_034315886.1 48.8 82
38 2 88 167 9 88 7.70E-09 68.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011800 29159 79.7 UdeM00000011800 XP_034336062.1 29.7 209
137 4 12 211 15 222 5.10E-12 79.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011801 7574 260.8 UdeM00000011801 XP_013381304.1 28.9 532
328 11 9 530 6 497 3.90E-66 260.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000011802 1735272 179.5 UdeM00000011802 XP_041352553.1 63
154 53 3 67 220 81 230 4.70E-42 179.5 1735272

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011803 6596 147.9 UdeM00000011803 XP_045166258.1 47.5 160
79 2 2 161 103 257 1.10E-32 147.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011804 6596 609.4 UdeM00000011804 XP_045197193.1 42.9 827
419 17 2248 3043 533 1337 2.50E-170 609.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011805 1735272 172.6 UdeM00000011805 XP_041347213.1 44.2
217 106 6 5 212 58 268 5.60E-40 172.6 1735272

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011806 6596 289.7 UdeM00000011806 XP_045198704.1 49.8 307
150 2 108 410 18 324 6.00E-75 289.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011807 1735272 201.4 UdeM00000011807 XP_041352058.1 64.6
 147 52 0 1 147 679 825 1.10E-48 201.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011808 29159 158.3 UdeM00000011808 XP_011422055.1 59.4 106
 43 0 6 111 15 120 5.70E-36 158.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011810 1735272 402.9 UdeM00000011810 XP_041354939.1 62
 305 115 1 184 488 232 535 5.80E-109 402.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003845 7739 267.3 UdeM00000003845 XP_035696678.1 49.3 268
 131 2 28 290 587 854 2.50E-68 267.3 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000003846 6596 131.3 UdeM00000003846 XP_045173349.1 32.2 270
 142 7 28 292 78 311 2.10E-27 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003847 6565 103.2 UdeM00000003847 XP_022293466.1 52.7 93
 44 0 1 93 419 511 1.80E-19 103.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003848 6565 138.3 UdeM00000003848 XP_022298001.1 54.9 122
 48 3 1 118 1 119 6.80E-30 138.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003849 6596 77 UdeM00000003849 XP_045208716.1 44.1 102
 51 3 39 135 43 143 2.30E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003850 1735272 72.8 UdeM00000003850 XP_041378949.1 37.5
 104 62 2 2 103 27 129 3.20E-10 72.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003852 29159 250.8 UdeM00000003852 XP_011428326.2 76.6 154
 36 0 3 156 509 662 1.30E-63 250.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000003851 6565 960.3 UdeM00000003851 XP_022301267.1 73.1 635
154 3 1 633 1 620 1.20E-276 960.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003853 6596 991.5 UdeM00000003853 XP_045171880.1 44.9 1287
478 28 1 1098 48 1292 8.60E-286 991.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003854 6526 790 UdeM00000003854 XP_013085300.1 59.5 1016
312 9 1 1008 1 925 3.50E-225 790 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000003857 6596 594.3 UdeM00000003857 XP_045172484.1 42.8 663
377 2 150 810 61 723 2.20E-166 594.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003858 6596 684.1 UdeM00000003858 XP_045171315.1 98.5 329
4 1 1 329 1 328 8.80E-194 684.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003859 6596 768.5 UdeM00000003859 XP_045171310.1 59.1 1137
331 18 1 1117 1 1023 1.20E-218 768.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003860 6579 427.2 UdeM00000003860 XP_033748950.1 59.4 360
134 8 11 364 37 390 2.20E-116 427.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000003861 400727 471.9 UdeM00000003861 XP_025091165.1 52
475 150 4 3 475 4 402 1.00E-129 471.9 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000003862 400727 229.6 UdeM00000003862 XP_025091163.1 62.6
174 62 2 3 175 4 175 3.20E-57 229.6 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000003863 6596 173.7 UdeM00000003863 XP_045173530.1 46.7 182
 87 3 4 185 6 177 2.30E-40 173.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003864 6596 369.8 UdeM00000003864 XP_045173658.1 45.3 393
 215 0 20 412 25 417 4.60E-99 369.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003865 6579 347.4 UdeM00000003865 XP_033748966.1 47.3 351
 182 2 4 351 6 356 2.10E-92 347.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003866 6565 743 UdeM00000003866 XP_022344930.1 69.1 628
 182 3 1 617 8 634 3.60E-211 743 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003867 6596 459.1 UdeM00000003867 XP_045171049.1 65.5 385
 104 4 1 362 1 379 5.10E-126 459.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003868 6596 319.7 UdeM00000003868 XP_045171521.1 85.4 178
 26 0 9 186 171 348 2.50E-84 319.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003869 6579 266.2 UdeM00000003869 XP_033747925.1 95 140
 7 0 11 150 34 173 2.90E-68 266.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003870 7574 284.3 UdeM00000003870 XP_013421860.1 48.8 322
 131 4 3 306 4 309 2.10E-73 284.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003871 7574 411.4 UdeM00000003871 XP_013382110.1 47.7 419
 203 4 1 419 38 440 1.50E-111 411.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003872 10224 99 UdeM00000003872 XP_002735215.1 35.9 145
 84 1 4 148 3 138 5.50E-18 99 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000003873 6579 149.8 UdeM00000003873 XP_033749026.1 59 105
 43 0 1 105 82 186 1.90E-33 149.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003874 6579 7336.9 UdeM00000003874 XP_033747926.1 79.9
 4719 912 8 1 4704 1 4698 0.00E+00 7336.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003875 6596 123.6 UdeM00000003875 XP_045174440.1 25.3 419
 272 16 31 437 1303 1692 6.20E-25 123.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003876 29159 111.7 UdeM00000003876 XP_011428534.2 36.4 165
 104 1 109 273 36 199 3.10E-21 111.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003877 29159 198.7 UdeM00000003877 XP_011440479.2 29.7 677
 407 21 13 682 24 638 2.30E-47 198.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003878 29159 200.7 UdeM00000003878 XP_011440479.2 29.8 672
 405 21 13 674 24 638 6.10E-48 200.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003881 6573 319.3 UdeM00000003881 XP_021364733.1 58.7 242
 99 1 40 281 135 375 5.30E-84 319.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003880 6573 350.9 UdeM00000003880 XP_021364733.1 51 335
 154 5 15 340 42 375 2.00E-93 350.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003882 6596 389.4 UdeM00000003882 XP_045171360.1 44.2 443
 228 7 1168 1602 1294 1725 2.20E-104 389.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003883 29159 180.3 UdeM00000003883 XP_034339065.1 37.8 238
 146 2 1422 1659 834 1069 2.10E-41 180.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003884 6706 145.2 UdeM00000003884 XP_042235765.1 47.6 145
 75 1 18 162 13 156 7.40E-32 145.2 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000003885 6596 284.6 UdeM00000003885 XP_045170965.1 38.5 382
 222 7 21 397 20 393 2.00E-73 284.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003886 6596 276.2 UdeM00000003886 XP_045170965.1 43.6 307
 164 5 3 304 91 393 5.60E-71 276.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003887 225164 91.7 UdeM00000003887 XP_009051992.1 29
 238 159 5 219 450 157 390 2.70E-15 91.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000003888 6565 344.7 UdeM00000003888 XP_022343297.1 63.7 256
 92 1 12 266 8 263 1.00E-91 344.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003889 6596 284.6 UdeM00000003889 XP_045170965.1 42.2 329
 183 5 55 378 68 394 1.90E-73 284.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003890 6573 335.1 UdeM00000003890 XP_021370400.1 43.3 462
 253 5 11 464 2 462 1.40E-88 335.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003891 6579 494.6 UdeM00000003891 XP_033749048.1 80.2 313
 33 1 2 314 42 325 9.40E-137 494.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003892 6579 517.3 UdeM00000003892 XP_033748741.1 47.4 718
 321 17 1 676 1 703 2.90E-143 517.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003893 6596 288.5 UdeM00000003893 XP_045171150.1 32.3 963
 484 36 5 909 96 948 7.50E-74 288.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003894 6596 306.2 UdeM00000003894 XP_045173278.1 67 215
 67 1 11 225 5 215 3.40E-80 306.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003895 6596 280.4 UdeM00000003895 XP_045171150.1 45.8 421
 172 12 1 393 1 393 3.80E-72 280.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003896 6596 194.9 UdeM00000003896 XP_045171150.1 27.1 1055
 593 40 34 1014 413 1365 5.00E-46 194.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003897 29159 618.6 UdeM00000003897 XP_011441791.2 53.2 616
 253 11 1 607 45 634 8.90E-174 618.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003898 29159 953.7 UdeM00000003898 XP_011441791.2 55.8 941
 372 16 1 927 45 955 1.70E-274 953.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003899 6573 824.3 UdeM00000003899 XP_021343874.1 31 1868
 1139 43 1 1789 1 1798 3.00E-235 824.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003901 6573 395.6 UdeM00000003901 XP_021349885.1 92.9 211
 15 0 1 211 175 385 4.00E-107 395.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003900 29159 649 UdeM00000003900 XP_034317960.1 87.6 380
 47 0 32 411 13 392 3.90E-183 649 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003902 6596 416 UdeM00000003902 XP_045170918.1 39.4 1330
 578 27 47 1186 49 1340 2.20E-112 416 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003903 6579 597 UdeM00000003903 XP_033747838.1 67.5 507
 153 6 13 512 1386 1887 2.20E-167 597 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003905 6579 448.7 UdeM00000003905 XP_033748539.1 29.4 1362
 750 30 1 1328 24 1207 2.50E-122 448.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003906 37653 287 UdeM00000003906 XP_014774593.1 80 160
 32 0 1 160 1971 2130 1.50E-74 287 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000003907 6573 850.1 UdeM00000003907 XP_021377623.1 76.4 550
 126 1 3 552 1579 2124 1.50E-243 850.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003908 6573 1279.2 UdeM00000003908 XP_021377626.1 66.5
 947 315 2 9 953 630 1576 0.00E+00 1279.2 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003909 400727 667.2 UdeM00000003909 XP_025090939.1 56.8
 639 248 8 2 626 3 627 2.10E-188 667.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000003916 6596 139 UdeM00000003916 XP_045209817.1 47.4 137
 59 1 54 190 18 141 6.10E-30 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000003917 29159 129.8 UdeM00000003917 XP_011413255.2 38 163
 93 3 1 156 1 162 3.00E-27 129.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003918 6596 139.8 UdeM00000003918 XP_045209817.1 45.9 148
 73 2 48 195 1 141 3.70E-30 139.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000003919 29159 131.3 UdeM00000003919 XP_011413255.2 41.2 153
 70 2 9 142 11 162 9.60E-28 131.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003920 1735272 110.9 UdeM00000003920 XP_041378994.1 46.2
 106 48 2 21 125 32 129 1.30E-21 110.9 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003921 6596 105.1 UdeM00000003921 XP_045209817.1 43.5 124
63 3 58 181 3 119 9.30E-20 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003922 6596 105.1 UdeM00000003922 XP_045209817.1 43.5 124
63 3 4 127 3 119 6.60E-20 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003923 6596 750 UdeM00000003923 XP_045171515.1 57.3 621
245 6 7 608 6 625 2.50E-213 750 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003924 1735272 247.7 UdeM00000003924 XP_041379415.1 57.1
205 80 4 5 203 193 395 1.40E-62 247.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003926 6579 166.8 UdeM00000003926 XP_033748609.1 67.9 112
33 1 6 117 1 109 1.70E-38 166.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003925 6579 166.8 UdeM00000003925 XP_033748609.1 67.9 112
33 1 6 117 1 109 1.80E-38 166.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003927 6596 1000 UdeM00000003927 XP_045174151.1 71.6 756
199 5 13 760 114 861 1.70E-288 1000 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003928 6596 521.2 UdeM00000003928 XP_045174154.1 60.8 403
158 0 1 403 49 451 1.20E-144 521.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003929 6596 530.4 UdeM00000003929 XP_045174154.1 60.1 416
166 0 6 421 36 451 2.10E-147 530.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000003930 6573 1245 UdeM00000003930 XP_021342152.1 66.3 923
 303 6 2 916 5 927 0.00E+00 1245 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003931 29159 376.3 UdeM00000003931 XP_034318124.1 56.4 314
 135 2 1 313 10 322 3.70E-101 376.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003932 29159 176 UdeM00000003932 XP_034318124.1 59.7 134
 53 1 4 137 190 322 3.20E-41 176 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003933 6596 910.2 UdeM00000003933 XP_045171631.1 89.2 509
 54 1 1 509 1 508 1.20E-261 910.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000003934 37653 68.9 UdeM00000003934 XP_014771794.1 51.7 89
 30 4 14 98 301 380 1.20E-08 68.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
 Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000003935 6596 634.8 UdeM00000003935 XP_045171511.1 62.5 483
 167 4 1 473 1 479 8.80E-179 634.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000003936 6573 576.2 UdeM00000003936 XP_021371702.1 52.8 544
 236 3 1 534 1 533 4.30E-161 576.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003937 6573 446.4 UdeM00000003937 XP_021371702.1 56.2 384
 167 1 1 383 150 533 3.70E-122 446.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003938 6573 569.7 UdeM00000003938 XP_021371702.1 52.4 540
 254 2 1 539 1 538 4.10E-159 569.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003939 6596 179.5 UdeM00000003939 XP_045171008.1 69.4 121
 37 0 1 121 222 342 2.60E-42 179.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003940 6596 401.4 UdeM00000003940 XP_045172626.1 69.7 277
83 1 1 277 1 276 9.60E-109 401.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003941 6596 229.9 UdeM00000003941 XP_045172626.1 64.6 175
61 1 1 175 1 174 2.50E-57 229.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003943 1735272 688.3 UdeM00000003943 XP_041349025.1 42.4
994 485 22 460 1400 586 1544 2.00E-194 688.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003944 7574 91.7 UdeM00000003944 XP_013413186.1 67.3 107
35 0 8 114 16 122 6.70E-16 91.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000003946 400727 213 UdeM00000003946 XP_025092204.1 86.7
128 13 1 1 128 1 124 2.20E-52 213 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000003947 7574 104.4 UdeM00000003947 XP_013396733.1 51.9 104
48 2 39 140 144 247 1.30E-19 104.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000003948 6596 205.7 UdeM00000003948 XP_045170857.1 88.9 117
13 0 2 118 1967 2083 3.30E-50 205.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003949 6573 1976.8 UdeM00000003949 XP_021357180.1 53.4
1887 821 18 54 1922 194 2039 0.00E+00 1976.8 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003950 6596 1002.7 UdeM00000003950 XP_045170857.1 50.9
1030 446 12 23 1022 44 1043 3.50E-289 1002.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003951 6596 224.9 UdeM00000003951 XP_045170857.1 65.1 169
56 1 23 191 44 209 9.20E-56 224.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003952 6596 2287.7 UdeM00000003952 XP_045172914.1 57.5
2113 784 40 1 2062 1 2050 0.00E+00 2287.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003953 6565 125.2 UdeM00000003953 XP_022336594.1 74.7 79
20 0 154 232 164 242 1.10E-25 125.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003955 6565 643.7 UdeM00000003955 XP_022341229.1 67.2 488
151 3 10 488 6 493 2.00E-181 643.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003954 6565 645.6 UdeM00000003954 XP_022341229.1 66.6 494
156 3 10 494 6 499 5.90E-182 645.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003956 6596 100.1 UdeM00000003956 XP_045174064.1 64 86
29 1 3 86 506 591 3.30E-18 100.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003957 6596 256.9 UdeM00000003957 XP_045171726.1 65.9 185
60 1 3 187 252 433 2.00E-65 256.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003958 6579 2480.7 UdeM00000003958 XP_033747128.1 65.1
1969 605 14 1 1940 166 2081 0.00E+00 2480.7 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003959 6596 615.5 UdeM00000003959 XP_045171726.1 70.3 421
122 1 35 455 16 433 5.30E-173 615.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003960 6565 497.3 UdeM00000003960 XP_022345395.1 67.1 337
 107 2 133 469 26 358 2.20E-137 497.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003961 6573 570.9 UdeM00000003961 XP_021346657.1 56.9 531
 204 8 131 644 159 681 2.10E-159 570.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003962 6596 811.2 UdeM00000003962 XP_045172461.1 57 926
 338 16 1 903 1 889 1.30E-231 811.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003963 6573 89 UdeM00000003963 XP_021364748.1 45 120
 55 3 2 110 5 124 4.80E-15 89 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003964 6579 569.7 UdeM00000003964 XP_033747551.1 82.2 332
 59 0 1 332 1 332 2.40E-159 569.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003965 29159 211.8 UdeM00000003965 XP_034317111.1 56.7 180
 78 0 2 181 171 350 7.10E-52 211.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003966 29159 97.1 UdeM00000003966 XP_034336638.1 39.8 123
 74 0 15 137 17 139 2.00E-17 97.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003967 6596 103.2 UdeM00000003967 XP_045188684.1 39.4 142
 84 2 2 142 8 148 2.90E-19 103.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003970 6579 161.8 UdeM00000003970 XP_033748058.1 61.2 129
 50 0 3 131 2 130 6.10E-37 161.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003971 6596 165.2 UdeM00000003971 XP_045172196.1 47 183
 88 3 10 191 15 189 8.00E-38 165.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003972 6596 165.2 UdeM00000003972 XP_045172196.1 47 183
 88 3 9 190 15 189 7.90E-38 165.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003973 1735272 179.1 UdeM00000003973 XP_041377040.1 66.7
 123 40 1 1 122 1 123 3.40E-42 179.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003978 6596 168.3 UdeM00000003978 XP_045176664.1 26.3 499
 282 15 44 460 32 526 2.30E-38 168.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003979 6573 125.9 UdeM00000003979 XP_021352044.1 62.6 91
 34 0 1 91 98 188 2.60E-26 125.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003980 6596 194.5 UdeM00000003980 XP_045176094.1 41.4 256
 142 6 1 252 1 252 1.80E-46 194.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003981 6596 253.1 UdeM00000003981 XP_045176664.1 30.6 576
 347 17 25 568 13 567 8.80E-64 253.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003982 6573 132.5 UdeM00000003982 XP_021352044.1 63.7 91
 33 0 1 91 98 188 2.70E-28 132.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003983 6596 238.8 UdeM00000003983 XP_045176664.1 31.1 511
 326 13 20 517 17 514 1.60E-59 238.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003984 6565 68.9 UdeM00000003984 XP_022297037.1 74.4 43
 11 0 1 43 400 442 4.10E-09 68.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003986 6596 234.6 UdeM00000003986 XP_045176664.1 38.4 333
 192 9 25 349 240 567 2.00E-58 234.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003987 6596 239.2 UdeM00000003987 XP_045176664.1 31 506
294 14 44 517 32 514 1.20E-59 239.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003990 1735272 119.8 UdeM00000003990 XP_041379275.1 33.2
187 115 3 1 181 1 183 3.90E-24 119.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000001261 6596 299.3 UdeM00000001261 XP_045158722.1 57.8 249
94 5 1 244 29 271 5.00E-78 299.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001263 6596 126.7 UdeM00000001263 XP_045159727.1 68.7 99
31 0 26 124 742 840 2.00E-26 126.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001264 6596 399.4 UdeM00000001264 XP_045160493.1 51.3 388
176 6 25 404 27 409 5.30E-108 399.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001265 6596 946 UdeM00000001265 XP_045157986.1 62.9 855
312 4 373 1226 373 1223 4.70E-272 946 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001266 6596 615.5 UdeM00000001266 XP_045157986.1 66.4 426
138 3 1 421 1324 1749 4.90E-173 615.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001267 46514 67.8 UdeM00000001267 XP_038053029.1 40.2 92
50 3 76 166 300 387 1.70E-08 67.8 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000001268 6596 488.4 UdeM00000001268 XP_045158727.1 42.1 783
372 20 1 754 1 731 1.60E-134 488.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001269 6596 483.4 UdeM00000001269 XP_045158727.1 42.1 784
372 21 1 755 1 731 5.30E-133 483.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001270 6596 1382.1 UdeM00000001270 XP_045158733.1 50.9
1624 629 31 22 1630 26 1496 0.00E+00 1382.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001271 6596 370.9 UdeM00000001271 XP_045160869.1 60.6 320
110 3 1 306 1 318 2.20E-99 370.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001272 6573 177.9 UdeM00000001272 XP_021343710.1 42.2 320
165 10 49 362 128 433 2.30E-41 177.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001273 29159 149.4 UdeM00000001273 XP_011444591.1 47.2 163
85 1 6 167 13 175 4.10E-33 149.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001274 225164 746.9 UdeM00000001274 XP_009043729.1 73.4
497 122 3 1 495 1 489 1.70E-212 746.9 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000001275 225164 746.9 UdeM00000001275 XP_009043729.1 73.4
497 122 3 1 495 1 489 1.70E-212 746.9 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000001276 8078 95.9 UdeM00000001276 XP_035983910.1 42.6 108
61 1 3 109 44 151 5.80E-17 95.9 8078 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Atherinomorpha;Cyprinodontiformes;Cyprinodontoides;Fundulidae;Fundulus;Fundulus heteroclitus

UdeM00000001277 400727 342.4 UdeM00000001277 XP_025109363.1 73
244 56 2 1 244 4 237 4.60E-91 342.4 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000001278 45264 167.9 UdeM00000001278 XP_044164507.1 43.5 214
115 3 28 240 80 288 1.50E-38 167.9 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora
UdeM00000001279 6596 1092 UdeM00000001279 XP_045160410.1 37.1 2179
1091 49 1 1956 1 2122 0.00E+00 1092 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000001280 6596 780.8 UdeM00000001280 XP_045159132.1 78.6 462
99 0 1 462 1 462 9.70E-223 780.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000001281 29159 370.5 UdeM00000001281 XP_034338246.1 28.2 1248
772 44 28 1216 189 1371 9.60E-99 370.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001283 29159 366.3 UdeM00000001283 XP_034338246.1 28.8 1082
664 33 78 1107 256 1283 1.60E-97 366.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001284 6596 76.6 UdeM00000001284 XP_045160955.1 32.7 107
63 1 34 140 1196 1293 3.20E-11 76.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000001285 29159 366.3 UdeM00000001285 XP_034338246.1 28.3 1206
735 42 28 1173 189 1324 1.70E-97 366.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001286 6596 660.6 UdeM00000001286 XP_045160955.1 40.8 1298
495 9 5 1029 7 1303 3.40E-186 660.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000001287 6565 191.8 UdeM00000001287 XP_022318096.1 63.2 152
56 0 5 156 1 152 6.50E-46 191.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001288 6596 582.4 UdeM00000001288 XP_045157797.1 45.9 658
 346 7 49 701 94 746 7.80E-163 582.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001289 29159 505 UdeM00000001289 XP_011419218.2 60.3 413
 157 2 1 409 1 410 9.20E-140 505 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001290 6596 659.1 UdeM00000001290 XP_045157797.1 48.2 683
 339 8 93 769 84 757 7.10E-186 659.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001291 6573 315.5 UdeM00000001291 XP_021348223.1 30.6 689
 243 7 39 497 14 697 1.20E-82 315.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001292 6573 164.9 UdeM00000001292 XP_021347253.1 27.2 677
 396 22 5 605 1 656 6.20E-37 164.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001294 114398 80.9 UdeM00000001294 XP_015924831.2 27.3
 209 121 8 29 219 20 215 2.80E-12 80.9 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000001295 29159 80.1 UdeM00000001295 XP_034314412.1 23.4 475
 301 18 17 481 278 699 1.30E-11 80.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001296 6596 294.3 UdeM00000001296 XP_045157355.1 46.6 352
 162 5 11 350 82 419 2.10E-76 294.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001297 6596 131.7 UdeM00000001297 XP_045158033.1 37.4 187
 111 3 8 188 9 195 1.00E-27 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001299 400727 713.4 UdeM00000001299 XP_025111169.1 76.9
 471 107 2 1 470 11 480 1.90E-202 713.4 400727
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039051 1735272 195.7 UdeM00000039051 XP_041378840.1 52.4
191 89 2 1 190 10 199 6.10E-47 195.7 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039057 160734 114.8 UdeM00000039057 XP_042354838.1 51.5
103 50 0 20 122 1 103 8.20E-23 114.8 160734

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Serranoidi;Serranidae;Epinephelinae;Epinephelini;Plectropomus;Plectropomus leopardus

UdeM00000039059 400727 173.3 UdeM00000039059 XP_025101378.1 49.2
185 82 2 265 438 235 418 6.80E-40 173.3 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039060 6596 74.3 UdeM00000039060 XP_045209336.1 33.1 130
79 4 17 139 150 278 1.80E-10 74.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039061 6596 173.3 UdeM00000039061 XP_045174904.1 61.7 115
43 1 42 155 66 180 2.40E-40 173.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039062 6596 77 UdeM00000039062 XP_045209336.1 33.6 128
80 2 11 133 145 272 2.80E-11 77 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039063 6596 105.1 UdeM00000039063 XP_045208608.1 31.2 304
176 15 11 295 33 322 1.50E-19 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039064 6579 283.5 UdeM00000039064 XP_033752673.1 41.3 385
132 5 21 317 273 651 3.30E-73 283.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039065 205130 144.8 UdeM00000039065 XP_026180020.1 47.8
138 70 1 3 138 167 304 8.20E-32 144.8 205130
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Anabantaria;Synbranchiformes;Ma
stacembeloidei;Mastacembelidae;Mastacembelus;Mastacembelus armatus

UdeM00000039066 225164 99.8 UdeM00000039066 XP_009058200.1 52.4
105 49 1 1 104 1 105 2.20E-18 99.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000039067 29159 179.1 UdeM00000039067 XP_034320563.1 61.6 125
48 0 36 160 9 133 4.50E-42 179.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039069 6565 180.6 UdeM00000039069 XP_022310560.1 60.8 120
47 0 16 135 64 183 1.30E-42 180.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039070 6565 171.8 UdeM00000039070 XP_022306813.1 61.4 114
44 0 47 160 86 199 7.10E-40 171.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039073 260995 80.1 UdeM00000039073 XP_033812940.1 51.4
74 35 1 1 74 1 73 1.70E-12 80.1 260995
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
e;Geotrypetes;Geotrypetes seraphini

UdeM00000039074 1415580 372.9 UdeM00000039074 XP_030075314.1 42.4
517 161 4 1 396 125 625 5.20E-100 372.9 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor

UdeM00000039076 6579 249.2 UdeM00000039076 XP_033758546.1 53.2 282
114 4 46 317 40 313 7.00E-63 249.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039077 6579 189.9 UdeM00000039077 XP_033758546.1 50.8 242
102 3 46 278 40 273 8.30E-45 189.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039078 6573 568.9 UdeM00000039078 XP_021372017.1 47.1 688
 219 5 3 547 5 690 7.20E-159 568.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039079 1735272 446 UdeM00000039079 XP_041373796.1 65.5
 351 119 2 6 355 5 354 4.30E-122 446 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039080 1735272 226.9 UdeM00000039080 XP_041373796.1 72.8
 151 39 2 1 150 205 354 1.80E-56 226.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039081 400727 632.5 UdeM00000039081 XP_025102511.1 57.9
 622 60 3 1 618 1 424 5.70E-178 632.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000039082 29159 161 UdeM00000039082 XP_011452761.2 46.4 192
 97 3 26 214 67 255 3.60E-36 161 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039084 6579 165.6 UdeM00000039084 XP_033763728.1 35.7 252
 146 7 7 243 4 254 7.80E-38 165.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039085 6573 174.9 UdeM00000039085 XP_021366565.1 42.7 192
 102 4 81 265 57 247 1.40E-40 174.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039086 37293 83.6 UdeM00000039086 XP_021526080.1 29.4 245
 143 7 55 279 251 485 7.90E-13 83.6 37293 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Platyrrh
 ini;Aotidae;Aotus;Aotus nancymaae
 UdeM00000039087 6573 92 UdeM00000039087 XP_021366565.1 41.2 114
 63 2 52 161 57 170 7.70E-16 92 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044399 6596 80.1 UdeM00000044399 XP_045161982.1 52.9 70
 33 0 1 70 1 70 1.30E-12 80.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035487 6596 184.1 UdeM00000035487 XP_045191793.1 34.5 330
 160 5 1 322 258 539 3.40E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035489 72036 250.4 UdeM00000035489 XP_040576246.1 43.6 282
 156 3 4 283 103 383 3.20E-63 250.4 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000035488 72036 269.6 UdeM00000035488 XP_040576246.1 43 314
 176 3 3 314 71 383 5.50E-69 269.6 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000035490 6596 197.2 UdeM00000035490 XP_045177779.1 39.3 272
 157 3 100 367 398 665 5.70E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014218 6596 300.4 UdeM00000014218 XP_045192283.1 85 160
 24 0 1 160 1 160 1.30E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014219 400727 86.3 UdeM00000014219 XP_025076300.1 35.2
 193 84 9 663 819 214 401 2.00E-13 86.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000014221 1735272 309.3 UdeM00000014221 XP_041375166.1 47.1
 410 184 7 4 387 6 408 7.40E-81 309.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014222 6596 449.1 UdeM00000014222 XP_045191732.1 63.2 378
 129 4 1 372 1 374 5.40E-123 449.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014223 6565 221.9 UdeM00000014223 XP_022339725.1 59 234
 94 2 6 239 384 615 9.00E-55 221.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014224 1437191 139.8 UdeM00000014224 XP_029054816.1 43.2
162 89 2 1 159 302 463 3.00E-30 139.8 1437191
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
eata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia bicornis;Osmia
bicornis bicornis

UdeM00000014225 29159 392.5 UdeM00000014225 XP_019921828.2 74.7 407
103 0 5 411 610 1016 6.60E-106 392.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014227 6596 836.6 UdeM00000014227 XP_045194764.1 55.3 707
279 4 29 734 30 700 2.40E-239 836.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014228 1735272 427.6 UdeM00000014228 XP_041375783.1 82
250 42 2 1 247 989 1238 1.10E-116 427.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014229 1735272 123.6 UdeM00000014229 XP_041375784.1 33.1
266 159 9 3 262 313 565 5.20E-25 123.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014230 1735272 123.2 UdeM00000014230 XP_041375784.1 32.1
265 163 7 3 262 313 565 6.80E-25 123.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014231 6596 1169.1 UdeM00000014231 XP_045194150.1 78.9
1012 179 5 1 985 1 1004 0.00E+00 1169.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014232 6596 404.1 UdeM00000014232 XP_045194154.1 80.7 249
48 0 1 249 1 249 1.50E-109 404.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014233 6596 438 UdeM00000014233 XP_045195003.1 37.3 757
379 17 516 1224 377 1085 4.30E-119 438 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014234 1735272 810.1 UdeM00000014234 XP_041347431.1 57.9
825 321 10 1 804 1 820 2.60E-231 810.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014235 6596 117.1 UdeM00000014235 XP_045192448.1 32.9 219
142 2 1 218 45 259 5.50E-23 117.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014236 6596 141 UdeM00000014236 XP_045192448.1 25.6 511
257 9 1 510 45 433 4.50E-30 141 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014237 6579 89.7 UdeM00000014237 XP_033754917.1 47.7 128
59 3 7 133 4 124 3.10E-15 89.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014238 6596 646 UdeM00000014238 XP_045191805.1 89.9 346
35 0 1 346 1 346 3.40E-182 646 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014239 6596 576.2 UdeM00000014239 XP_045192611.1 62.5 451
165 1 1 451 4 450 3.60E-161 576.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014240 6500 150.6 UdeM00000014240 XP_005091282.1 47 183
97 0 88 270 114 296 2.90E-33 150.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000014241 6596 906.7 UdeM00000014241 XP_045193364.1 62.5 801
256 9 1 772 1 786 2.00E-260 906.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014242 6596 598.6 UdeM00000014242 XP_045191635.1 67.4 426
138 1 31 456 37 461 6.70E-168 598.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000014243 6596 221.1 UdeM00000014243 XP_045191636.1 58.7 201
 63 5 1 190 1 192 1.20E-54 221.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000014245 6573 654.8 UdeM00000014245 XP_021365183.1 79.3 411
 75 2 199 601 137 545 1.00E-184 654.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014246 6573 649.4 UdeM00000014246 XP_021365183.1 78.7 414
 75 3 199 604 137 545 4.40E-183 649.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014247 29159 364 UdeM00000014247 XP_019918674.2 41.7 607
 311 11 167 754 84 666 4.70E-97 364 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014248 6596 606.3 UdeM00000014248 XP_045193948.1 58.9 530
 150 6 1 462 1 530 3.30E-170 606.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000014249 6565 196.1 UdeM00000014249 XP_022340630.1 64.7 139
 49 0 3 141 274 412 3.40E-47 196.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014251 6706 149.1 UdeM00000014251 XP_042235765.1 43.9 157
 88 0 1 157 1 157 4.90E-33 149.1 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Astacidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000014250 202533 236.1 UdeM00000014250 XP_035218899.1 46.8
 250 127 2 1 244 214 463 4.70E-59 236.1 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000014252 400727 397.5 UdeM00000014252 XP_025114867.1 60.3
 317 113 2 5 309 38 353 1.60E-107 397.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000014253 6579 161.8 UdeM00000014253 XP_033753769.1 64.8 128
 42 2 4 131 9 133 6.10E-37 161.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014255 6596 627.5 UdeM00000014255 XP_045194301.1 85.2 358
52 1 55 411 122 479 1.20E-176 627.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014256 6596 3207.9 UdeM00000014256 XP_045194301.1 71
2378 577 17 1 2328 485 2799 0.00E+00 3207.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014257 6596 808.1 UdeM00000014257 XP_045194172.1 82.4 472
66 3 51 522 9 463 6.40E-231 808.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014258 6579 251.9 UdeM00000014258 XP_033754414.1 63.7 190
67 2 1 190 1 188 9.40E-64 251.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014259 29159 394.8 UdeM00000014259 XP_019924711.1 100 193
0 0 1 193 1 193 6.30E-107 394.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014260 6596 555.4 UdeM00000014260 XP_045192925.1 59 458
183 4 15 468 9 465 6.70E-155 555.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014261 29159 519.2 UdeM00000014261 XP_011433876.2 90.8 282
26 0 20 301 6 287 3.90E-144 519.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014262 6573 194.9 UdeM00000014262 XP_021358246.1 36 350
208 2 3 344 5 346 1.90E-46 194.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014263 6565 208.4 UdeM00000014263 XP_022344863.1 63.4 145
52 1 1 144 1 145 6.20E-51 208.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014264 6596 1011.9 UdeM00000014264 XP_045193836.1 50.6
 1107 500 13 4 1085 6 1090 6.60E-292 1011.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014265 6596 463 UdeM00000014265 XP_045193481.1 47.9 610
 269 13 4 579 19 613 5.60E-127 463 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014266 1735272 402.5 UdeM00000014266 XP_041377031.1 68.1
 285 91 0 95 379 17 301 5.90E-109 402.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014267 1735272 414.5 UdeM00000014267 XP_041377031.1 70
 280 84 0 22 301 22 301 1.20E-112 414.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014268 29159 336.7 UdeM00000014268 XP_011413410.3 36.1 537
 321 9 47 571 641 1167 7.20E-89 336.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014269 29159 248.4 UdeM00000014269 XP_011413410.3 31 542
 346 10 206 733 16 543 2.80E-62 248.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014270 6565 277.3 UdeM00000014270 XP_022338655.1 37.3 440
 258 7 84 507 568 1005 4.00E-71 277.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014272 6579 397.9 UdeM00000014272 XP_033745282.1 55 327
 140 5 16 341 11 331 1.40E-107 397.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014273 6596 216.5 UdeM00000014273 XP_045193824.1 48.1 208
 107 1 57 263 11 218 4.30E-53 216.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014274 6596 226.5 UdeM00000014274 XP_045191448.1 49.3 217
 110 0 2 218 3 219 3.40E-56 226.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014275 6579 198.7 UdeM00000014275 XP_033755176.1 60.2 166
61 2 78 238 74 239 1.00E-47 198.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014276 1735272 1268.1 UdeM00000014276 XP_041376750.1
50.4 1307 487 24 1 1229 243 1466 0.00E+00 1268.1
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014277 6500 613.6 UdeM00000014277 XP_005096659.1 78.9 464
98 0 52 515 23 486 2.30E-172 613.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioida;Aplysiidae;Aplysia;Aplysia californica

UdeM00000014278 45264 71.2 UdeM00000014278 XP_044167082.1 41.6 89
49 1 1 86 103 191 8.20E-10 71.2 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000014279 6596 223 UdeM00000014279 XP_045191608.1 28.4 623
340 15 22 541 36 655 9.10E-55 223 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014281 6596 558.9 UdeM00000014281 XP_045191616.1 56.9 480
184 6 19 492 32 494 6.40E-156 558.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014280 6596 568.2 UdeM00000014280 XP_045191616.1 55.7 499
208 6 1 491 1 494 1.10E-158 568.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014284 1735272 80.5 UdeM00000014284 XP_041379274.1 34.4
122 78 2 2 122 245 365 1.70E-12 80.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014285 6087 176 UdeM00000014285 XP_012565456.1 62.2 127
48 0 4 130 890 1016 3.20E-41 176 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydrozoa;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000014286 6596 339 UdeM00000014286 XP_045192248.1 44.9 365
192 6 1 363 6 363 7.70E-90 339 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014287 6596 796.6 UdeM00000014287 XP_045191377.1 63.4 604
205 3 73 676 45 632 2.50E-227 796.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014288 6596 598.6 UdeM00000014288 XP_045191631.1 86.1 332
46 0 1 332 1 332 6.10E-168 598.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014289 1735272 555.8 UdeM00000014289 XP_041375452.1 46.3
650 318 6 1 622 1 647 6.80E-155 555.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014290 1735272 172.9 UdeM00000014290 XP_041377053.1 75
128 31 1 1 128 29 155 2.60E-40 172.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014291 6596 316.6 UdeM00000014291 XP_045191743.1 48 327
169 1 11 337 10 335 3.80E-83 316.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014292 6596 1402.1 UdeM00000014292 XP_045194736.1 58.4
1415 499 14 1 1339 1 1402 0.00E+00 1402.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014293 6596 200.3 UdeM00000014293 XP_045193066.1 40.1 302
169 5 1 297 1 295 1.10E-47 200.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014294 7957 591.7 UdeM00000014294 XP_026115228.1 47.7 631
303 8 5 623 1 616 1.20E-165 591.7 7957 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Cyprininae;Carassius;Carassius auratus

UdeM00000014295 151771 167.2 UdeM00000014295 XP_028417120.1 35.2
 349 208 8 6 338 6 352 4.00E-38 167.2 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000014296 6596 179.1 UdeM00000014296 XP_045193064.1 47 183
 86 1 43 225 41 212 6.30E-42 179.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014298 6579 627.9 UdeM00000014298 XP_033754869.1 56.9 591
 220 9 16 592 14 583 1.30E-176 627.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014297 6579 630.6 UdeM00000014297 XP_033754869.1 59.8 547
 192 7 71 607 55 583 2.10E-177 630.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014299 6596 301.6 UdeM00000014299 XP_045192888.1 73.9 188
 49 0 34 221 24 211 8.30E-79 301.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014300 6596 520 UdeM00000014300 XP_045192888.1 69.5 361
 108 2 34 393 24 383 2.60E-144 520 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014301 6596 112.8 UdeM00000014301 XP_045199086.1 43 135
 73 3 1 134 66 197 3.30E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014302 6596 129.8 UdeM00000014302 XP_045178837.1 45.2 135
 70 2 1 132 80 213 2.60E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014303 6596 133.7 UdeM00000014303 XP_045178837.1 47.5 139
 67 3 95 229 77 213 3.10E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014305 6596 235 UdeM00000014305 XP_045191486.1 48.5 237
 114 3 8 239 129 362 1.00E-58 235 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014306 6596 870.9 UdeM00000014306 XP_045191482.1 76.4 551
129 1 43 593 64 613 9.30E-250 870.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014307 6596 800.8 UdeM00000014307 XP_045191473.1 47.4 1157
473 27 6 1074 8 1116 2.10E-228 800.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014309 6596 165.2 UdeM00000014309 XP_045206071.1 26.8 366
261 6 6 367 22 384 1.60E-37 165.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014310 6596 446.4 UdeM00000014310 XP_045192731.1 52.2 412
187 4 31 433 22 432 4.00E-122 446.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014311 29159 651.7 UdeM00000014311 XP_011432175.1 83.5 442
72 1 2 442 3 444 6.50E-184 651.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014312 6596 124.8 UdeM00000014312 XP_045209337.1 33.7 267
161 9 8 265 8 267 2.00E-25 124.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014313 6596 166.8 UdeM00000014313 XP_045193117.1 41.2 311
156 15 8 311 284 574 4.80E-38 166.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014314 6596 119.4 UdeM00000014314 XP_045193117.1 34.3 265
150 8 42 293 25 278 8.30E-24 119.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014315 6573 316.2 UdeM00000014315 XP_021342124.1 31.1 776
465 18 7 738 4 753 1.10E-82 316.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014316 6579 191.4 UdeM00000014316 XP_033731328.1 46.5 215
106 3 131 344 97 303 1.90E-45 191.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014317 6596 1965.3 UdeM00000014317 XP_045192947.1 45.8
2338 1143 27 124 2408 1080 3346 0.00E+00 1965.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014318 6573 235.7 UdeM00000014318 XP_021358375.1 47.5 257
131 1 1 253 1 257 6.40E-59 235.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014319 6573 1363.6 UdeM00000014319 XP_021358295.1 85.3
798 117 0 1 798 1 798 0.00E+00 1363.6 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014320 6573 1363.6 UdeM00000014320 XP_021358295.1 85.3
798 117 0 1 798 1 798 0.00E+00 1363.6 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014321 6573 87.8 UdeM00000014321 XP_021380372.1 40.9 93
52 2 24 113 235 327 1.00E-14 87.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014322 6596 553.9 UdeM00000014322 XP_045192401.1 60.7 463
173 1 82 535 73 535 2.20E-154 553.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014323 6596 446.8 UdeM00000014323 XP_045191724.1 59.8 405
145 3 25 411 34 438 3.00E-122 446.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014324 6596 819.3 UdeM00000014324 XP_045191884.1 35.4 1680
866 39 69 1636 434 2006 8.70E-234 819.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014325 29159 153.3 UdeM00000014325 XP_011454492.2 46.8 158
 82 1 11 166 14 171 2.80E-34 153.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014326 6596 206.8 UdeM00000014326 XP_045194203.1 27.3 557
 385 9 3 552 5 548 7.20E-50 206.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014327 6579 65.5 UdeM00000014327 XP_033758492.1 46.8 77
 36 3 50 125 510 582 5.70E-08 65.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014328 1735272 469.5 UdeM00000014328 XP_041375469.1 70.6
 330 77 3 4 330 7 319 3.50E-129 469.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014329 6573 1526.9 UdeM00000014329 XP_021347883.1 80.9
 936 178 1 1 936 1 935 0.00E+00 1526.9 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014330 37653 256.1 UdeM00000014330 XP_014781961.1 91.1 135
 12 0 1 135 1 135 2.40E-65 256.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000014331 6500 616.3 UdeM00000014331 XP_005105611.1 82.5 377
 64 2 1 376 1 376 2.60E-173 616.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000014332 6596 334.3 UdeM00000014332 XP_045193654.1 60.5 256
 101 0 8 263 167 422 1.40E-88 334.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014333 6596 526.9 UdeM00000014333 XP_045193654.1 60.8 408
 160 0 1 408 15 422 2.20E-146 526.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014334 6579 198 UdeM00000014334 XP_033741736.1 50.7 203
 97 2 1 200 671 873 1.30E-47 198 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000014335 6706 80.9 UdeM00000014335 XP_042235765.1 44.7 76
42 0 1 76 82 157 8.10E-13 80.9 6706 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Malacostraca; Eumalacostraca; Eucarida; Decapoda; Pleocyemata; Astacidea; Nephropoidea; Nephropidae; Homarus; Homarus americanus
UdeM00000014336 1735272 60.5 UdeM00000014336 XP_041371610.1 31.9
135 86 2 1 130 76 209 1.90E-06 60.5 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000014337 6596 160.2 UdeM00000014337 XP_045194991.1 50.2 209
88 7 18 219 357 556 3.00E-36 160.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000014339 202533 121.7 UdeM00000014339 XP_035231949.1 43.3
141 68 3 3 131 303 443 7.10E-25 121.7 202533
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Araneae; Araneomorphae; Entelegynae; Eresoidea; Eresidae; Stegodyphus; Stegodyphus dumicola
UdeM00000014340 6596 200.7 UdeM00000014340 XP_045193489.1 69.1 139
38 2 1 138 1 135 1.20E-48 200.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000014341 6596 116.3 UdeM00000014341 XP_045193352.1 28.4 299
184 11 1 275 36 328 6.60E-23 116.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000014342 225164 186.8 UdeM00000014342 XP_009058215.1 76.3
118 28 0 99 216 16 133 2.90E-44 186.8 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiidae; Lottia; Lottia gigantea
UdeM00000014343 6565 113.6 UdeM00000014343 XP_022319350.1 76.5 68
16 0 1 68 52 119 1.00E-22 113.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000014344 400727 1186.8 UdeM00000014344 XP_025115130.1
60.2 987 367 13 1 970 1 978 0.00E+00 1186.8
400727 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000014345 6596 348.2 UdeM00000014345 XP_045194879.1 63.1 249
91 1 1 248 1031 1279 8.60E-93 348.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014346 6596 442.6 UdeM00000014346 XP_045194964.1 36.5 819
449 15 1 796 1 771 1.10E-120 442.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014347 225164 234.2 UdeM00000014347 XP_009058511.1 33.1
514 302 9 4 513 191 666 3.80E-58 234.2 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
Lottiidae;Lottia;Lottia gigantea
UdeM00000014348 6579 1743.8 UdeM00000014348 XP_033754221.1 55.8
1809 647 30 126 1818 4 1775 0.00E+00 1743.8 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014349 6596 170.6 UdeM00000014349 XP_045192398.1 34.2 316
188 7 438 739 1872 2181 7.30E-39 170.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014350 6596 170.6 UdeM00000014350 XP_045192398.1 34.2 316
188 7 383 684 1872 2181 6.80E-39 170.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014351 6565 118.2 UdeM00000014351 XP_022337743.1 35.9 459
233 16 1 450 1 407 2.60E-23 118.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000014352 400727 507.7 UdeM00000014352 XP_025115970.1 70.2
352 105 0 1 352 48 399 1.30E-140 507.7 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000014353 6596 755 UdeM00000014353 XP_045193968.1 75.5 478
113 1 1 478 7 480 6.30E-215 755 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014354 6565 176.4 UdeM00000014354 XP_022341904.1 86.5 96
13 0 29 124 532 627 2.60E-41 176.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014355 6565 61.2 UdeM00000014355 XP_022287645.1 38.9 90
38 2 1 89 36 109 1.20E-06 61.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014356 6596 148.3 UdeM00000014356 XP_045193968.1 83.3 72
12 0 6 77 616 687 6.10E-33 148.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014357 6596 62 UdeM00000014357 XP_045193968.1 75 40
10 0 156 195 691 730 9.70E-07 62 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014358 6579 226.1 UdeM00000014358 XP_033755517.1 51.8 197
93 2 1 197 86 280 5.00E-56 226.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014359 29159 342.8 UdeM00000014359 XP_011442127.1 73.2 228
53 2 47 266 2 229 3.90E-91 342.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014360 6596 618.2 UdeM00000014360 XP_045193995.1 66.5 492
148 6 1 487 14 493 8.80E-174 618.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014361 6579 371.7 UdeM00000014361 XP_033755625.1 40.8 473
264 6 1 465 1 465 1.40E-99 371.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014362 6596 2661.7 UdeM00000014362 XP_045193997.1 60.1
2285 851 22 1 2259 1 2251 0.00E+00 2661.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014363 29159 164.1 UdeM00000014363 XP_011422459.1 77 100
23 0 2 101 152 251 9.50E-38 164.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014364 29159 422.5 UdeM00000014364 XP_011422459.1 76.9 251
58 0 1 251 1 251 3.70E-115 422.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014365 29159 1471.8 UdeM00000014365 XP_034336620.1 75.4
1062 256 3 1 1062 1 1057 0.00E+00 1471.8
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014366 6596 478.8 UdeM00000014366 XP_045192776.1 53.2 464
209 5 1 460 1 460 8.00E-132 478.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014369 6565 500.4 UdeM00000014369 XP_022340973.1 68 359
113 1 1 359 33 389 2.00E-138 500.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000014368 6565 508.1 UdeM00000014368 XP_022340973.1 64.1 393
135 2 2 394 3 389 1.00E-140 508.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000014370 6565 523.9 UdeM00000014370 XP_022340973.1 65.6 393
129 2 2 394 3 389 1.80E-145 523.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000014371 6573 508.1 UdeM00000014371 XP_021343784.1 64.8 432
125 8 432 844 477 900 2.20E-140 508.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014372 6579 761.1 UdeM00000014372 XP_033754300.1 54 680
280 6 5 682 28 676 1.20E-216 761.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014373 6573 378.6 UdeM00000014373 XP_021343805.1 66.4 256
86 0 13 268 317 572 6.50E-102 378.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014374 6596 699.1 UdeM00000014374 XP_045191729.1 37.7 1050
283 5 1 1050 23 701 8.50E-198 699.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014375 6596 263.1 UdeM00000014375 XP_045191638.1 52.3 260
 113 5 5 256 4 260 3.80E-67 263.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014376 6596 127.1 UdeM00000014376 XP_045191729.1 42.6 136
 78 0 6 141 566 701 1.90E-26 127.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014377 6596 136 UdeM00000014377 XP_045191729.1 38.5 174
 101 1 3 170 528 701 4.80E-29 136 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014378 6596 263.1 UdeM00000014378 XP_045191638.1 52.3 260
 113 5 5 256 4 260 3.80E-67 263.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014379 6596 91.3 UdeM00000014379 XP_045191729.1 45.3 86
 47 0 1 86 616 701 7.20E-16 91.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014380 6596 263.1 UdeM00000014380 XP_045191638.1 52.3 260
 113 5 5 256 4 260 3.80E-67 263.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014381 6596 271.6 UdeM00000014381 XP_045191638.1 54.5 246
 103 4 17 256 18 260 1.10E-69 271.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014382 6596 391 UdeM00000014382 XP_045192021.1 55.5 566
 167 17 1 495 2 553 2.40E-105 391 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014383 29159 441 UdeM00000014383 XP_034313077.1 63.8 323
 117 0 1 323 1 323 1.30E-120 441 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014385 300111 184.5 UdeM00000014385 XP_024870039.1 37
281 157 7 1 262 1 280 1.70E-43 184.5 300111
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
eata;Formicoidea;Formicidae;Myrmicinae;Crematogastrini;Temnothorax;Temnot
horax curvispinosus

UdeM00000014386 202533 151 UdeM00000014386 XP_035218899.1 45.1
164 85 2 2 160 303 466 1.30E-33 151 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000014387 6596 216.9 UdeM00000014387 XP_045191890.1 29.9 568
327 8 125 681 311 818 8.40E-53 216.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014388 6565 65.9 UdeM00000014388 XP_022337397.1 24 150
91 1 83 209 103 252 8.10E-08 65.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014389 29159 160.2 UdeM00000014389 XP_034316161.1 48.3 149
77 0 1 149 645 793 2.00E-36 160.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014390 29159 115.5 UdeM00000014390 XP_011455806.1 46.1 165
71 5 48 209 13 162 8.30E-23 115.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014391 6596 268.9 UdeM00000014391 XP_045192092.1 46.2 383
186 10 24 396 29 401 1.10E-68 268.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014393 6596 557.4 UdeM00000014393 XP_045195045.1 52.1 532
245 5 6 529 5 534 2.00E-155 557.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014394 260995 80.9 UdeM00000014394 XP_033812940.1 51.4
74 35 1 1 74 1 73 7.90E-13 80.9 260995

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc

opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
e;Geotrypetes;Geotrypetes seraphini

UdeM00000014395 1415580 532.3 UdeM00000014395 XP_030075314.1 53.4
517 222 3 1 514 125 625 6.70E-148 532.3 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor

UdeM00000014396 1735272 493.8 UdeM00000014396 XP_041376768.1 33.7
889 560 10 1 871 62 939 4.60E-136 493.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014397 133434 150.6 UdeM00000014397 XP_022102547.1 54.4
136 55 3 25 159 24 153 1.80E-33 150.6 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatata;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci

UdeM00000014398 133434 145.2 UdeM00000014398 XP_022102547.1 52.2
136 59 2 25 160 24 153 7.50E-32 145.2 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatata;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci

UdeM00000014399 6579 311.2 UdeM00000014399 XP_033754550.1 51.5 291
138 3 50 338 3 292 1.60E-81 311.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014400 6573 343.2 UdeM00000014400 XP_021375826.1 64.8 253
82 3 19 266 5 255 3.00E-91 343.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014401 6596 1482.2 UdeM00000014401 XP_045191424.1 62.9
1142 408 6 63 1194 59 1194 0.00E+00 1482.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014402 6596 581.6 UdeM00000014402 XP_045192730.1 41.7 701
380 10 1 699 1 674 1.30E-162 581.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014403 6565 455.3 UdeM00000014403 XP_022342767.1 66.9 308
96 2 8 309 469 776 6.30E-125 455.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014404 225164 441.8 UdeM00000014404 XP_009062755.1 63.7
344 125 0 3 346 2 345 8.80E-121 441.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000014405 6596 3241.8 UdeM00000014405 XP_045191945.1 74.5
2100 522 10 1 2095 3334 5424 0.00E+00 3241.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014406 6596 3994.5 UdeM00000014406 XP_045191949.1 73.7
3260 714 21 1 3166 20 3229 0.00E+00 3994.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014407 6596 3964.8 UdeM00000014407 XP_045191949.1 73.7
3237 709 21 1 3121 20 3229 0.00E+00 3964.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014408 6596 3181.7 UdeM00000014408 XP_045191949.1 73.1
2322 537 16 1 2253 20 2322 0.00E+00 3181.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014409 1735272 270 UdeM00000014409 XP_041375118.1 56.7
217 65 1 1 217 1 188 2.70E-69 270 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014410 6573 90.1 UdeM00000014410 XP_021347123.1 34.1 135
88 1 38 171 49 183 3.10E-15 90.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014411 6500 72.8 UdeM00000014411 XP_005096779.1 29.6 125
78 3 45 164 49 168 4.90E-10 72.8 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000014416 7668 388.3 UdeM00000014416 XP_003729577.2 46.3 443
214 9 4 425 330 769 1.50E-104 388.3 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000014417 37621 162.5 UdeM00000014417 XP_014672571.1 44.8 203
105 3 103 298 1 203 9.40E-37 162.5 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000014418 400727 155.2 UdeM00000014418 XP_025080579.1 68.5
108 32 1 8 115 137 242 5.00E-35 155.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014420 400727 171.8 UdeM00000014420 XP_025080579.1 62.6
131 47 1 13 143 125 253 6.40E-40 171.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014423 109461 130.6 UdeM00000014423 XP_022667192.1 68.6
86 25 1 1 86 179 262 9.90E-28 130.6 109461
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Mesostigmata;Monogynaspida;Gamasina;Dermanyssoidea;Varroidae;Varroa;Varroa destructor

UdeM00000014424 6596 412.1 UdeM00000014424 XP_045192988.1 59 378
136 10 1 370 1 367 8.00E-112 412.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014427 6596 395.2 UdeM00000014427 XP_045192988.1 57.4 378
142 11 1 370 1 367 1.00E-106 395.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014429 400727 255.8 UdeM00000014429 XP_025115911.1 60
215 70 3 19 217 12 226 5.50E-65 255.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014430 6596 287.7 UdeM00000014430 XP_045194579.1 41.1 358
195 7 1 350 24 373 2.00E-74 287.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014431 6573 696.4 UdeM00000014431 XP_021357061.1 43.5 793
436 7 1 790 451 1234 4.20E-197 696.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014432 1735272 306.2 UdeM00000014432 XP_041371563.1 43.6
337 179 3 4 334 99 430 5.00E-80 306.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014433 6596 73.9 UdeM00000014433 XP_045162639.1 39.7 73
44 0 10 82 9 81 1.10E-10 73.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014434 1735272 995.7 UdeM00000014434 XP_041371563.1 43
1201 650 13 23 1203 22 1207 5.10E-287 995.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014435 1735272 1018.8 UdeM00000014435 XP_041371563.1
45 1194 620 15 11 1183 24 1201 5.40E-294 1018.8
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014437 6596 469.2 UdeM00000014437 XP_045192419.1 77.4 301
68 0 6 306 31 331 4.20E-129 469.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014436 6596 471.5 UdeM00000014436 XP_045192419.1 72.2 331
87 1 50 375 1 331 1.00E-129 471.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014438 6565 101.3 UdeM00000014438 XP_022322655.1 26.1 352
117 8 5 215 19 368 1.70E-18 101.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014439 6565 95.1 UdeM00000014439 XP_022322655.1 54.3 81
37 0 1 81 417 497 4.30E-17 95.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014440 29159 107.8 UdeM00000014440 XP_034299474.1 45.9 98
51 1 1 98 400 495 1.00E-20 107.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014441 29159 222.6 UdeM00000014441 XP_034299474.1 45.7 247
 132 1 1 245 509 755 5.40E-55 222.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014442 45264 162.2 UdeM00000014442 XP_044165535.1 43.3 180
 98 1 4 179 345 524 6.90E-37 162.2 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000014443 29159 232.3 UdeM00000014443 XP_034330911.1 42.6 284
 84 2 23 227 95 378 6.50E-58 232.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014444 6579 199.1 UdeM00000014444 XP_033729790.1 38 274
 165 2 10 283 17 285 1.70E-47 199.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014447 29159 136.3 UdeM00000014447 XP_034310977.1 61.1 113
 44 0 166 278 61 173 5.80E-29 136.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014448 6596 647.1 UdeM00000014448 XP_045191875.1 51.7 580
 275 4 2 578 52 629 2.40E-182 647.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014449 6596 393.7 UdeM00000014449 XP_045204266.1 59.3 327
 131 1 11 335 32 358 2.40E-106 393.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014452 10228 58.9 UdeM00000014452 XP_002118406.1 41.5 82
 43 3 6 86 169 246 3.90E-06 58.9 10228 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
 e;Trichoplax;Trichoplax adhaerens
 UdeM00000014454 6596 126.3 UdeM00000014454 XP_045191419.1 38.3 180
 104 4 32 206 43 220 5.30E-26 126.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014455 6596 101.3 UdeM00000014455 XP_045191421.1 40.5 116
 64 2 8 120 106 219 1.20E-18 101.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014456 6596 276.9 UdeM00000014456 XP_045192811.1 45.4 348
 172 8 22 363 92 427 3.60E-71 276.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014457 6596 172.6 UdeM00000014457 XP_045192447.1 39.9 263
 135 9 107 358 1 251 9.30E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014458 1735272 461.1 UdeM00000014458 XP_041375381.1 41
 627 295 4 13 568 50 672 2.10E-126 461.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014459 7574 105.5 UdeM00000014459 XP_013410728.1 44.1 127
 68 1 500 623 215 341 2.40E-19 105.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000014461 6596 744.6 UdeM00000014461 XP_045194090.1 66.2 580
 177 6 1 578 1 563 9.60E-212 744.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014462 6579 209.5 UdeM00000014462 XP_033755355.1 50.7 205
 92 2 17 220 11 207 4.30E-51 209.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014463 29159 205.7 UdeM00000014463 XP_011425085.1 49 202
 91 2 19 220 2 191 6.20E-50 205.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014464 6579 204.1 UdeM00000014464 XP_033755355.1 49 204
 96 2 17 219 11 207 1.80E-49 204.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014465 6579 208 UdeM00000014465 XP_033755355.1 50.2 205
 93 2 17 220 11 207 1.20E-50 208 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014466 6579 205.7 UdeM00000014466 XP_033755355.1 49.8 205
 94 2 17 220 11 207 6.20E-50 205.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014467 6596 412.1 UdeM00000014467 XP_045193786.1 36.6 752
 409 15 30 750 30 744 1.50E-111 412.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014472 6596 220.3 UdeM00000014472 XP_045193788.1 61.2 196
 59 5 32 219 40 226 4.40E-54 220.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014473 6596 193 UdeM00000014473 XP_045193788.1 51.8 218
 80 7 18 228 28 227 7.90E-46 193 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014474 6596 189.9 UdeM00000014474 XP_045193788.1 54.1 196
 73 5 34 222 42 227 6.60E-45 189.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014475 6596 228.8 UdeM00000014475 XP_045193788.1 60.2 201
 69 5 14 206 24 221 1.30E-56 228.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014476 6596 1441 UdeM00000014476 XP_045194882.1 47.7 1687
 605 24 41 1637 4922 6421 0.00E+00 1441 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014477 6573 2075.8 UdeM00000014477 XP_021371320.1 52.5
 2625 992 43 11 2548 515 2970 0.00E+00 2075.8 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014478 6596 587.4 UdeM00000014478 XP_045194882.1 60.4 452
 175 1 1 452 57 504 1.60E-164 587.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014479 6596 301.6 UdeM00000014479 XP_045192449.1 56.4 287
 123 2 24 308 2 288 1.20E-78 301.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014480 1735272 436 UdeM00000014480 XP_041375668.1 50.5
 434 211 3 1 432 176 607 7.40E-119 436 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014481 6596 470.3 UdeM00000014481 XP_045192452.1 83.6 274
 42 2 1 271 1 274 1.70E-129 470.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014482 6596 73.6 UdeM00000014482 XP_045192823.1 28.8 236
 147 8 5 231 6 229 3.80E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014483 6596 118.6 UdeM00000014483 XP_045192823.1 29.2 390
 228 15 5 360 6 381 1.80E-23 118.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014484 6596 657.5 UdeM00000014484 XP_045192826.1 41.4 1253
 608 33 1 1226 214 1367 3.30E-185 657.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014485 6596 149.4 UdeM00000014485 XP_045192826.1 53.2 141
 59 2 97 236 73 207 5.90E-33 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014486 6596 255 UdeM00000014486 XP_045192227.1 49 263
 134 0 96 358 169 431 1.50E-64 255 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014488 6596 865.1 UdeM00000014488 XP_045193272.1 65 711
 238 7 83 788 176 880 9.40E-248 865.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014490 29159 309.3 UdeM00000014490 XP_011413487.2 51 357
 157 7 16 364 11 357 6.50E-81 309.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014491 6596 738.4 UdeM00000014491 XP_045191957.1 93 384
 27 0 1 384 3 386 4.60E-210 738.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014492 6596 564.3 UdeM00000014492 XP_045191810.1 82.2 383
 67 1 4 386 2 383 1.20E-157 564.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014493 6596 879.8 UdeM00000014493 XP_045191812.1 65.8 653
 210 5 1 643 15 664 2.20E-252 879.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014495 29159 179.5 UdeM00000014495 XP_034336742.1 50 168
 80 1 3 170 6 169 3.70E-42 179.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014496 29159 217.6 UdeM00000014496 XP_011433871.1 74.1 147
 38 0 1 147 1 147 1.10E-53 217.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014497 29159 218 UdeM00000014497 XP_011433871.1 74.1 147
 38 0 26 172 1 147 9.90E-54 218 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014498 6596 541.6 UdeM00000014498 XP_045193765.1 72.3 365
 94 2 8 372 14 371 8.30E-151 541.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014499 6596 764.2 UdeM00000014499 XP_045193766.1 75.4 488
 113 2 8 495 14 494 1.00E-217 764.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014500 6596 219.5 UdeM00000014500 XP_045193769.1 59 183
 73 2 32 214 44 224 4.00E-54 219.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014501 6596 362.1 UdeM00000014501 XP_045193782.1 57.5 318
 126 4 1 318 1 309 7.40E-97 362.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014502 6596 452.6 UdeM00000014502 XP_045193778.1 37.2 907
456 20 3 826 4 879 1.10E-123 452.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014504 6596 322.4 UdeM00000014504 XP_045193783.1 59.5 259
102 2 3 259 21 278 5.30E-85 322.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014503 6596 327.4 UdeM00000014503 XP_045193783.1 56.6 279
118 2 1 277 1 278 1.80E-86 327.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014505 6500 410.2 UdeM00000014505 XP_005101961.1 95.3 212
10 0 1 212 1 212 1.60E-111 410.2 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000014506 6596 1083.9 UdeM00000014506 XP_045193504.1 68.7
750 231 2 1 749 1 747 0.00E+00 1083.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014507 6596 147.1 UdeM00000014507 XP_045193504.1 55.8 156
61 3 1 154 772 921 1.80E-32 147.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014508 225164 260.8 UdeM00000014508 XP_009050867.1 55.7
203 90 0 10 212 1 203 1.60E-66 260.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000014509 6573 203 UdeM00000014509 XP_021373514.1 44.2 251
120 6 529 771 484 722 1.40E-48 203 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014510 29159 132.1 UdeM00000014510 XP_011421193.2 62.6 246
78 3 1 238 1 240 9.50E-28 132.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014511 6573 2159.8 UdeM00000014511 XP_021372446.1 59.4
2098 758 27 950 2971 1083 3163 0.00E+00 2159.8 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014512 400727 583.6 UdeM00000014512 XP_025115550.1 75.4
382 85 3 3 381 9 384 1.90E-163 583.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014513 400727 374.8 UdeM00000014513 XP_025115455.1 65.6
270 85 3 1 269 1 263 9.30E-101 374.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014514 6579 181.4 UdeM00000014514 XP_033753775.1 38.7 238
140 3 9 245 47 279 1.40E-42 181.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014515 6596 511.9 UdeM00000014515 XP_045193580.1 78.1 292
62 1 20 311 15 304 2.30E-141 511.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014515 6596 276.6 UdeM00000014515 XP_045193580.1 70.5 176
52 0 1088 1263 312 487 1.60E-70 276.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014516 6579 375.2 UdeM00000014516 XP_033746355.1 34 652
386 15 17 642 20 653 1.80E-100 375.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014518 6596 454.9 UdeM00000014518 XP_045194325.1 33.6 760
339 11 28 641 1 740 1.70E-124 454.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014519 6596 402.5 UdeM00000014519 XP_045194325.1 34.5 635
269 7 11 514 122 740 8.00E-109 402.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014520 6596 653.7 UdeM00000014520 XP_045194325.1 45.4 756
 337 17 24 719 1 740 2.80E-184 653.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014521 6596 552.7 UdeM00000014521 XP_045194325.1 39.3 774
 365 17 27 729 1 740 6.80E-154 552.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014522 6596 571.6 UdeM00000014522 XP_045194325.1 40 758
 365 18 28 713 1 740 1.40E-159 571.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014523 6565 578.2 UdeM00000014523 XP_022286092.1 71.4 412
 117 1 15 426 124 534 8.80E-162 578.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014524 6565 298.5 UdeM00000014524 XP_022286092.1 74.2 198
 50 1 15 212 124 320 7.40E-78 298.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014525 225164 83.2 UdeM00000014525 XP_009061450.1 68.4
 57 18 0 7 63 56 112 4.80E-13 83.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000014526 225164 140.2 UdeM00000014526 XP_009051015.1 30.3
 330 202 6 1 326 1 306 4.70E-30 140.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000014527 6579 142.1 UdeM00000014527 XP_033753722.1 39.9 203
 117 3 6 205 13 213 7.80E-31 142.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014528 6596 282.3 UdeM00000014528 XP_045193040.1 46.6 320
 135 5 1 306 1 298 7.20E-73 282.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014529 6596 1472.2 UdeM00000014529 XP_045193033.1 77.5
 953 211 3 1 953 1 950 0.00E+00 1472.2 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014531 1735272 104.4 UdeM00000014531 XP_041376923.1 48.5
101 51 1 71 171 91 190 1.50E-19 104.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014533 6596 184.9 UdeM00000014533 XP_045192645.1 61.3 137
53 0 1 137 1 137 7.70E-44 184.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014534 6596 475.7 UdeM00000014534 XP_045192638.1 53.9 519
214 11 53 553 191 702 8.00E-131 475.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014535 6565 632.1 UdeM00000014535 XP_022343976.1 28.3 2034
1159 61 66 2007 43 1868 2.40E-177 632.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014536 6596 531.2 UdeM00000014536 XP_045194127.1 63.8 376
136 0 34 409 30 405 1.20E-147 531.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014537 6579 260.4 UdeM00000014537 XP_033741736.1 52.4 248
116 1 1 246 647 894 2.50E-66 260.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014538 6579 1120.1 UdeM00000014538 XP_033744278.1 56.2
967 413 6 2 965 337 1295 0.00E+00 1120.1 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014539 400727 519.6 UdeM00000014539 XP_025115462.1 64.9
524 147 13 1 499 10 521 4.70E-144 519.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014540 6596 736.1 UdeM00000014540 XP_045191621.1 76.4 466
103 2 1 465 2 461 2.70E-209 736.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014541 6596 426.8 UdeM00000014541 XP_045193253.1 44.3 524
 256 5 11 534 1 488 4.10E-116 426.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014542 6579 557 UdeM00000014542 XP_033753878.1 44.2 633
 319 6 3 629 6 610 3.40E-155 557 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014543 6573 156 UdeM00000014543 XP_021343891.1 42.4 210
 101 5 3 212 6 195 5.50E-35 156 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014544 6596 166.4 UdeM00000014544 XP_045191841.1 58.2 177
 71 2 3 178 4 178 3.30E-38 166.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014545 6596 119.8 UdeM00000014545 XP_045191845.1 47.5 162
 70 3 2 163 3 149 6.20E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014546 6596 119.8 UdeM00000014546 XP_045191845.1 43.2 190
 94 4 2 191 3 178 3.80E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014547 6596 478.4 UdeM00000014547 XP_045193583.1 71.7 307
 87 0 1 307 1 307 6.90E-132 478.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014548 7574 188 UdeM00000014548 XP_013384628.1 66 141
 45 2 1 140 33 171 1.10E-44 188 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000014548 7574 73.9 UdeM00000014548 XP_013384628.1 43.1 116
 49 4 79 178 446 560 2.30E-10 73.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000014549 29159 541.2 UdeM00000014549 XP_011435747.2 29.6 1146
 573 23 52 996 172 1284 2.90E-150 541.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014550 29159 515.8 UdeM00000014550 XP_011435747.2 28.2 1204
573 24 52 1054 172 1284 1.40E-142 515.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014551 6596 119.8 UdeM00000014551 XP_045171682.1 35 206
128 4 5 208 3 204 5.30E-24 119.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014552 6596 114.4 UdeM00000014552 XP_045193352.1 35.7 230
122 7 23 236 39 258 2.20E-22 114.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014554 6573 1680.2 UdeM00000014554 XP_021343237.1 67
1294 384 14 18 1288 234 1507 0.00E+00 1680.2 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014555 6596 422.2 UdeM00000014555 XP_045192299.1 58.2 400
147 6 1 396 40 423 7.50E-115 422.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014556 6565 643.7 UdeM00000014556 XP_022343422.1 49.2 715
315 10 8 693 3 698 3.90E-181 643.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014557 1735272 168.3 UdeM00000014557 XP_041376984.1 95.4
87 4 0 1 87 1 87 6.00E-39 168.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014560 6596 278.1 UdeM00000014560 XP_045193279.1 33.2 635
358 13 34 632 21 625 2.80E-71 278.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014561 6596 900.6 UdeM00000014561 XP_045193278.1 68.6 633
196 1 26 655 15 647 1.30E-258 900.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014562 6596 338.2 UdeM00000014562 XP_045194120.1 49.9 355
 156 4 1 337 24 374 1.20E-89 338.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014563 29159 1050.4 UdeM00000014563 NP_001292222.1 74.5
 631 160 1 14 644 2 631 9.10E-304 1050.4
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014564 6596 1040.8 UdeM00000014564 XP_045191735.1 74.2
 651 160 4 9 656 10 655 7.40E-301 1040.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014565 6596 1113.6 UdeM00000014565 XP_045192723.1 53.4
 1065 483 8 1 1063 1 1054 0.00E+00 1113.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014566 1735272 401.7 UdeM00000014566 XP_041375682.1 53.2
 344 158 2 1 341 1 344 9.10E-109 401.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014567 6596 158.7 UdeM00000014567 XP_045192522.1 39.6 202
 109 4 160 356 344 537 1.40E-35 158.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014568 6579 468.8 UdeM00000014568 XP_033755136.1 62.8 331
 122 1 12 342 77 406 6.00E-129 468.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014569 6573 171.4 UdeM00000014569 XP_021354656.1 29.4 521
 150 10 17 325 16 530 2.50E-39 171.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014570 6565 246.1 UdeM00000014570 XP_022327158.1 48.9 268
 129 4 2 266 4 266 5.10E-62 246.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000014571 6596 109 UdeM00000014571 XP_045194521.1 42.2 147
64 5 28 163 29 165 1.30E-20 109 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014572 6596 208.4 UdeM00000014572 XP_045192652.1 40.8 265
155 2 42 305 32 295 1.70E-50 208.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014573 6596 962.2 UdeM00000014573 XP_045194959.1 45.8 1263
433 19 1 1098 338 1514 5.80E-277 962.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014574 6596 471.1 UdeM00000014574 XP_045194959.1 67.9 361
93 4 1 344 1520 1874 1.20E-129 471.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014575 6579 417.9 UdeM00000014575 XP_033755409.1 57.2 346
134 5 204 546 308 642 2.00E-113 417.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014576 6573 177.6 UdeM00000014576 XP_021379305.1 65.4 133
46 0 1 133 1 133 1.20E-41 177.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014577 2607531 164.1 UdeM00000014577 XP_029647783.1 40.5
262 105 4 269 482 153 411 4.50E-37 164.1 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000014578 6596 74.7 UdeM00000014578 XP_045192936.1 46.6 116
42 4 265 365 652 762 2.70E-10 74.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014579 6596 518.1 UdeM00000014579 XP_045192936.1 76.7 344
78 1 1 344 1 342 8.80E-144 518.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014580 6596 234.2 UdeM00000014580 XP_045192936.1 80.7 161
 29 1 1 161 1 159 1.20E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014581 6596 360.1 UdeM00000014581 XP_045192907.1 65.8 257
 88 0 10 266 182 438 2.30E-96 360.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014582 1735272 234.6 UdeM00000014582 XP_041375601.1 65
 177 62 0 42 218 19 195 1.30E-58 234.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014583 6596 415.6 UdeM00000014583 XP_045194905.1 36.7 773
 329 16 179 903 113 773 2.70E-112 415.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014584 6596 397.5 UdeM00000014584 XP_045194905.1 36.1 773
 323 17 179 892 113 773 7.50E-107 397.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014585 6573 595.9 UdeM00000014585 XP_021376780.1 52 685
 266 16 2 666 5 646 6.40E-167 595.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014586 6573 577.8 UdeM00000014586 XP_021347065.1 42.2 810
 390 19 18 764 18 812 2.30E-161 577.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014587 6579 707.2 UdeM00000014587 XP_033755716.1 46.4 854
 450 4 50 901 30 877 2.70E-200 707.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014588 6573 493.4 UdeM00000014588 XP_021375890.1 47.9 562
 291 1 4 565 142 701 3.80E-136 493.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014589 6579 123.2 UdeM00000014589 XP_033755716.1 39.3 163
 97 1 9 171 717 877 3.20E-25 123.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000014591 6579 333.6 UdeM00000014591 XP_033754965.1 88.1 185
22 0 18 202 733 917 1.80E-88 333.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000014592 6579 684.5 UdeM00000014592 XP_033755716.1 45.8 850
453 3 78 925 34 877 1.90E-193 684.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000014593 6573 248.8 UdeM00000014593 XP_021375890.1 50.2 269
134 0 4 272 142 410 7.80E-63 248.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000014594 29159 382.5 UdeM00000014594 XP_019924334.2 42.9 468
260 4 4 469 416 878 7.80E-103 382.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000014595 29159 360.5 UdeM00000014595 XP_019924334.2 42.6 444
248 4 2 443 440 878 3.00E-96 360.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000014597 400727 647.1 UdeM00000014597 XP_025115158.1 77.1
419 88 3 739 1156 636 1047 4.20E-182 647.1 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000014599 6596 162.2 UdeM00000014599 XP_045191792.1 93.1 87
6 0 3 89 1 87 3.20E-37 162.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000014598 6596 221.1 UdeM00000014598 XP_045191792.1 94 116
7 0 3 118 1 116 7.70E-55 221.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000014601 1735272 318.9 UdeM00000014601 XP_041375095.1 39
549 251 15 2 537 4 481 1.20E-83 318.9 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopiridae; Gigantopelta; Gigantopelta aegis
UdeM00000014600 7574 399.8 UdeM00000014600 XP_013410521.1 38.8 662
323 13 2 645 26 623 6.50E-108 399.8 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000014602 6565 1094.7 UdeM00000014602 XP_022343253.1 56.9
1206 423 19 122 1254 1289 2470 0.00E+00 1094.7 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014603 6565 1084.7 UdeM00000014603 XP_022343259.1 57
1194 415 20 122 1242 1289 2457 0.00E+00 1084.7 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014604 6596 184.9 UdeM00000014604 XP_045194995.1 93.7 95
6 0 26 120 1210 1304 6.60E-44 184.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014605 400727 163.3 UdeM00000014605 XP_025115921.1 52.2
159 55 3 1 146 1 151 2.40E-37 163.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014606 6596 340.9 UdeM00000014606 XP_045194995.1 36.3 1141
578 33 30 1098 78 1141 6.10E-90 340.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014607 6596 1783.8 UdeM00000014607 XP_045193533.1 59.4
1580 560 17 21 1558 19 1558 0.00E+00 1783.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014608 6596 148.7 UdeM00000014608 XP_045193676.1 52.6 152
55 1 1 152 18 152 6.20E-33 148.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014609 225164 489.2 UdeM00000014609 XP_009056330.1 64.5
397 130 5 13 401 2 395 5.10E-135 489.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000014610 6573 190.3 UdeM00000014610 XP_021356908.1 29.3 560
339 9 16 567 408 918 1.10E-44 190.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014611 6596 561.6 UdeM00000014611 XP_045193137.1 57.4 453
190 1 25 474 8 460 1.10E-156 561.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014612 6596 706.8 UdeM00000014612 XP_045193132.1 49.8 723
344 6 61 781 37 742 3.00E-200 706.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014615 6596 268.5 UdeM00000014615 XP_045191438.1 72.7 165
45 0 1 165 413 577 5.80E-69 268.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014616 6596 551.6 UdeM00000014616 XP_045191440.1 67.8 388
106 1 4 391 6 374 8.20E-154 551.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014618 6596 481.5 UdeM00000014618 XP_045170131.1 65.5 357
120 2 1 357 1 354 9.50E-133 481.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014619 6596 563.1 UdeM00000014619 XP_045192867.1 73.4 353
93 1 85 436 29 381 3.00E-157 563.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000044120 6596 830.5 UdeM00000044120 XP_045200330.1 49.7 837
384 4 288 1089 49 883 2.50E-237 830.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000044121 6573 211.1 UdeM00000044121 XP_021362990.1 35.3 337
210 5 9 339 12 346 2.30E-51 211.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000044122 29159 87.4 UdeM00000044122 XP_034308960.1 29.1 179
122 2 19 192 35 213 2.10E-14 87.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000044123 29159 76.6 UdeM00000044123 XP_034308960.1 31.4 140
 91 2 12 146 77 216 3.10E-11 76.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044124 6573 99.8 UdeM00000044124 XP_021378781.1 28.8 236
 147 6 43 271 223 444 5.90E-18 99.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044125 6596 237.7 UdeM00000044125 XP_045201849.1 30 580
 368 20 1 568 478 1031 3.80E-59 237.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044126 29159 76.6 UdeM00000044126 XP_034308958.1 33.3 120
 74 3 12 128 15 131 4.10E-11 76.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044127 6596 286.6 UdeM00000044127 XP_045201849.1 30.3 693
 432 23 2 673 384 1046 8.80E-74 286.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044128 6565 269.2 UdeM00000044128 XP_022312094.1 29.2 763
 456 26 2 716 256 982 1.50E-68 269.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012141 6596 137.5 UdeM00000012141 XP_045211352.1 34.2 196
 120 3 4 190 51 246 2.00E-29 137.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012142 7574 152.5 UdeM00000012142 XP_013396733.1 43.2 206
 115 2 67 270 43 248 7.50E-34 152.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000012143 400727 365.2 UdeM00000012143 XP_025109728.1 48.9
 376 181 4 26 396 302 671 1.10E-97 365.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000012144 400727 364 UdeM00000012144 XP_025109728.1 54.2
 323 139 3 2 319 353 671 1.90E-97 364 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000012145 6596 94.4 UdeM00000012145 XP_045211353.1 29.4 211
132 4 9 207 7 212 1.90E-16 94.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012147 225164 133.7 UdeM00000012147 XP_009062103.1 32.6
193 128 2 1 192 1 192 2.90E-28 133.7 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000012146 225164 133.7 UdeM00000012146 XP_009062103.1 32.6
193 128 2 39 230 1 192 3.40E-28 133.7 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000012149 225164 123.6 UdeM00000012149 XP_009062103.1 33
179 118 2 1 178 15 192 2.80E-25 123.6 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000012150 6573 101.3 UdeM00000012150 XP_021345878.1 32.1 196
123 5 2 191 1 192 1.60E-18 101.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012151 6573 97.1 UdeM00000012151 XP_021345878.1 31.6 177
113 4 19 191 20 192 3.00E-17 97.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012153 6596 110.2 UdeM00000012153 XP_045214139.1 32.1 184
122 2 19 200 23 205 3.40E-21 110.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012154 225164 62.8 UdeM00000012154 XP_009062103.1 26.9
193 75 5 1 128 1 192 4.30E-07 62.8 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000012155 225164 119 UdeM00000012155 XP_009062103.1 32.6
193 128 2 1 192 1 192 7.30E-24 119 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000012156 6596 136.7 UdeM00000012156 XP_045211352.1 38.1 202
 112 7 1 193 49 246 4.60E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012157 6596 114.4 UdeM00000012157 XP_045211352.1 35.4 175
 107 2 5 179 51 219 1.80E-22 114.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012158 6596 155.2 UdeM00000012158 XP_045204471.1 59.8 122
 49 0 4 125 11 132 9.20E-35 155.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012159 6596 150.2 UdeM00000012159 XP_045204471.1 53.7 134
 62 0 4 137 11 144 3.80E-33 150.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012160 6596 162.2 UdeM00000012160 XP_045204471.1 52.1 163
 66 2 2 154 9 169 2.40E-36 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012161 6596 164.1 UdeM00000012161 XP_045204471.1 52.8 163
 65 2 2 154 9 169 4.10E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012162 6596 149.8 UdeM00000012162 XP_045204471.1 59.8 122
 49 0 1 122 11 132 3.50E-33 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012163 6596 157.5 UdeM00000012163 XP_045170381.1 63.3 120
 43 1 4 122 1 120 2.40E-35 157.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012164 6596 157.1 UdeM00000012164 XP_045170381.1 64.2 120
 42 1 4 122 1 120 3.20E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012165 6596 150.2 UdeM00000012165 XP_045170381.1 60 120
 47 1 4 122 1 120 3.60E-33 150.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012166 6596 83.2 UdeM00000012166 XP_045170381.1 47.4 97
 46 2 4 95 56 152 7.80E-13 83.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012167 6573 131.3 UdeM00000012167 XP_021374431.1 93 71
 5 0 15 85 5 75 5.70E-28 131.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012169 6596 155.6 UdeM00000012169 XP_045211274.1 32 356
 193 7 1 311 1 352 1.10E-34 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012170 6565 73.2 UdeM00000012170 XP_022317062.1 41.2 119
 55 3 8 113 142 258 2.60E-10 73.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012171 6565 162.9 UdeM00000012171 XP_022305631.1 51.2 170
 82 1 1 169 18 187 6.20E-37 162.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012172 6573 181 UdeM00000012172 XP_021347594.1 62.4 141
 48 2 8 144 5 144 1.10E-42 181 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012173 6596 201.1 UdeM00000012173 XP_045212697.1 61.9 147
 56 0 8 154 72 218 1.10E-48 201.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012174 6850 168.7 UdeM00000012174 XP_013772703.1 40.5 210
 85 2 9 178 8 217 6.80E-39 168.7 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000012175 6579 766.5 UdeM00000012175 XP_033753894.1 48.5 781
 397 2 7 787 6 781 3.60E-218 766.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012176 105785 163.7 UdeM00000012176 XP_023714940.1 57.9
 121 49 1 6 124 10 130 2.00E-37 163.7 105785
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blat
 toidea;Termitoidea;Kalotermitidae;Cryptotermitinae;Cryptotermes;Cryptoter
 mes secundus
 UdeM00000012177 225164 546.6 UdeM00000012177 XP_009059514.1 41
 671 392 1 5 671 53 723 4.50E-152 546.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000012178 6579 142.9 UdeM00000012178 XP_033724951.1 31.6 269
 160 5 1 249 554 818 1.60E-30 142.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012179 6579 142.9 UdeM00000012179 XP_033724951.1 31.6 269
 160 5 1 249 554 818 7.50E-31 142.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012180 6579 104.4 UdeM00000012180 XP_033729967.1 30.8 208
 137 3 9 210 128 334 2.00E-19 104.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012181 6579 104 UdeM00000012181 XP_033724951.1 26.7 258
 180 6 1 257 72 321 2.90E-19 104 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012182 6596 682.6 UdeM00000012182 XP_045212796.1 55.7 575
 252 3 35 607 34 607 4.70E-193 682.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012183 6579 263.1 UdeM00000012183 XP_033746710.1 51.3 298
 114 10 17 306 10 284 4.60E-67 263.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012184 6596 406.4 UdeM00000012184 XP_045211381.1 42 514
 289 7 1 509 29 538 5.50E-110 406.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012185 6596 366.3 UdeM00000012185 XP_045211381.1 40.3 529
 268 10 30 554 60 544 6.80E-98 366.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012186 6596 256.1 UdeM00000012186 XP_045211381.1 33.1 484
283 9 23 503 21 466 9.20E-65 256.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012187 6596 142.1 UdeM00000012187 XP_045211381.1 78.8 80
17 0 3 82 465 544 3.20E-31 142.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012188 6596 244.2 UdeM00000012188 XP_045211382.1 34.4 407
157 5 4 305 126 527 2.20E-61 244.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012189 6596 115.9 UdeM00000012189 XP_045211381.1 27.1 266
159 5 13 278 10 240 8.60E-23 115.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012190 6596 310.5 UdeM00000012190 XP_045211381.1 50.9 289
140 2 13 300 257 544 2.40E-81 310.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012191 6573 193.7 UdeM00000012191 XP_021346619.1 27.8 518
336 9 5 501 11 511 5.70E-46 193.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000012192 6573 199.1 UdeM00000012192 XP_021346619.1 28 514
336 8 5 497 11 511 1.30E-47 199.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000012193 7574 239.6 UdeM00000012193 XP_013408505.1 69.9 156
47 0 1 156 1 156 2.80E-60 239.6 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000012194 6565 70.1 UdeM00000012194 XP_022319531.1 29.2 144
78 3 3 122 191 334 2.20E-09 70.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000012195 6596 149.1 UdeM00000012195 XP_045214037.1 59.3 108
 44 0 1 108 1 108 4.40E-33 149.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012196 6596 392.5 UdeM00000012196 XP_045214036.1 67.8 283
 89 1 9 289 7 289 5.90E-106 392.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012197 400727 575.5 UdeM00000012197 XP_025082558.1 55.1
 512 211 6 1 501 1 504 6.70E-161 575.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000012198 400727 318.9 UdeM00000012198 XP_025098589.1 72.2
 205 52 2 104 308 92 291 7.00E-84 318.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000012199 6596 637.9 UdeM00000012199 XP_045213437.1 85.2 364
 54 0 1 364 1 364 8.00E-180 637.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012200 6596 216.9 UdeM00000012200 XP_045158043.1 43.8 251
 137 2 278 525 173 422 6.30E-53 216.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012201 6596 216.9 UdeM00000012201 XP_045158043.1 43.8 251
 137 2 113 360 173 422 4.40E-53 216.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012202 6565 307.8 UdeM00000012202 XP_022313078.1 43.7 389
 187 5 113 495 1136 1498 2.60E-80 307.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012203 6596 278.9 UdeM00000012203 XP_045206316.1 48.4 322
 139 6 1 314 222 524 8.20E-72 278.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012206 6596 487.6 UdeM00000012206 XP_045206611.1 40.4 649
 329 12 771 1391 483 1101 5.10E-134 487.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012207 6500 169.9 UdeM00000012207 XP_005094781.1 74.1 108
 24 2 42 149 33 136 3.70E-39 169.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000012208 1735272 1385.9 UdeM00000012208 XP_041363035.1
 62.2 1223 433 13 1 1219 1 1198 0.00E+00 1385.9
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012209 6596 209.9 UdeM00000012209 XP_045214433.1 58.5 183
 73 2 1 180 17 199 3.50E-51 209.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012211 6573 105.9 UdeM00000012211 XP_021351071.1 72.7 66
 18 0 39 104 7 72 3.30E-20 105.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012213 400727 65.5 UdeM00000012213 XP_025089679.1 59.6
 52 21 0 70 121 56 107 6.20E-08 65.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000012215 6579 602.8 UdeM00000012215 XP_033742903.1 88.7 326
 34 2 398 720 507 832 7.20E-169 602.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012217 6579 691 UdeM00000012217 XP_033743898.1 40.1 1044
 443 17 1 1036 2129 2998 2.30E-195 691 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012216 29159 889 UdeM00000012216 XP_034312289.1 43.1 1166
 477 17 1 1159 4944 5930 6.40E-255 889 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012218 6596 428.3 UdeM00000012218 XP_045211001.1 41.5 537
 287 10 3 531 2502 3019 1.40E-116 428.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012219 29159 880.2 UdeM00000012219 XP_034312289.1 41.1 1116
 635 11 3 1112 3131 4230 3.00E-252 880.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012220 6573 65.5 UdeM00000012220 XP_021359195.1 41.7 72
 42 0 30 101 519 590 4.60E-08 65.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012221 29159 113.2 UdeM00000012221 XP_034312289.1 33.9 168
 105 2 13 178 2870 3033 3.80E-22 113.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012222 70779 317.4 UdeM00000012222 XP_015772611.1 39.3 468
 242 15 5899 6331 108 568 4.10E-82 317.4 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000012223 6596 300.4 UdeM00000012223 XP_045215021.1 54.6 282
 123 3 1 279 1 280 2.90E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012225 6596 409.8 UdeM00000012225 XP_045213528.1 45.7 420
 218 6 539 950 222 639 9.20E-111 409.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012226 6596 66.2 UdeM00000012226 XP_045213610.1 27.1 207
 131 7 5 208 17 206 7.80E-08 66.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012227 6596 318.5 UdeM00000012227 XP_045213483.1 62.2 283
 102 3 10 289 11 291 8.50E-84 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012228 6573 862.8 UdeM00000012228 XP_021358765.1 47.1 1154
 517 27 1 1130 1 1085 5.00E-247 862.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012229 7054 394.4 UdeM00000012229 XP_031350480.1 54 337
 155 0 21 357 109 445 1.60E-106 394.4 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elateriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis
UdeM00000012230 225164 253.1 UdeM00000012230 XP_009048025.1 80.9
141 27 0 1 141 1 141 2.10E-64 253.1 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000012231 6573 478.8 UdeM00000012231 XP_021344743.1 41.1 601
333 9 7 594 30 622 1.00E-131 478.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000012232 6596 422.5 UdeM00000012232 XP_045212509.1 52 381
181 2 10 388 72 452 5.60E-115 422.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000012233 6579 966.5 UdeM00000012233 XP_033743097.1 59.6 826
315 5 2 817 4 820 2.20E-278 966.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000012234 6596 431 UdeM00000012234 XP_045212129.1 71.6 289
82 0 72 360 654 942 1.50E-117 431 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000012235 7739 461.8 UdeM00000012235 XP_035672096.1 60.4 394
95 1 1 394 484 816 8.60E-127 461.8 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma floridae
UdeM00000012236 7668 77.8 UdeM00000012236 XP_030841875.1 51.6 64
30 1 3 66 71 133 9.10E-12 77.8 7668 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea; Camarodonta; Echinidea; Strongylocentrotidae; Strongylocentrotus; Strongylocentrotus purpuratus
UdeM00000012237 1735272 322.4 UdeM00000012237 XP_041374858.1 67.4
230 75 0 7 236 310 539 4.80E-85 322.4 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000012239 6579 118.2 UdeM00000012239 XP_033739317.1 35 203
127 3 3 205 288 485 1.20E-23 118.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000012240 6573 59.7 UdeM00000012240 XP_021353127.1 37 138
 76 6 4 137 214 344 4.80E-06 59.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012242 7574 73.2 UdeM00000012242 XP_013410728.1 29.2 260
 134 7 230 449 56 305 9.70E-10 73.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000012243 7574 73.2 UdeM00000012243 XP_013410728.1 29.2 260
 134 7 202 421 56 305 9.10E-10 73.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000012245 6596 314.3 UdeM00000012245 XP_045178672.1 33.8 551
 330 15 23 555 123 656 4.70E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012244 6596 311.6 UdeM00000012244 XP_045178672.1 31.3 680
 397 21 40 681 9 656 3.50E-81 311.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012246 6565 426 UdeM00000012246 XP_022312958.1 91.3 231
 20 0 17 247 111 341 3.20E-116 426 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012247 6596 147.5 UdeM00000012247 XP_045213526.1 74.8 111
 28 0 1 111 1 111 1.00E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012248 10224 223 UdeM00000012248 XP_002741224.1 88 125
 15 0 3 127 5 129 2.10E-55 223 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000012251 6565 1132.9 UdeM00000012251 XP_022315354.1 64.1
 976 298 13 1 956 4 947 0.00E+00 1132.9 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012252 6565 1129.4 UdeM00000012252 XP_022315354.1 63.6
 986 297 14 1 966 4 947 0.00E+00 1129.4 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012253 6579 1167.5 UdeM00000012253 XP_033756207.1 69.9
860 246 9 2 855 917 1769 0.00E+00 1167.5 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012254 299321 153.3 UdeM00000012254 XP_028856899.1 38.7
362 169 11 42 369 37 379 6.10E-34 153.3 299321
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Clupei;Clupeiformes;Denticipitoidei;Denticipitidae;Dentic
eps;Denticeps clupeoides

UdeM00000012255 6565 120.6 UdeM00000012255 XP_022310266.1 49 143
64 2 149 287 187 324 3.50E-24 120.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012256 6579 238.8 UdeM00000012256 XP_033758968.1 25.2 678
454 17 29 664 11 677 2.00E-59 238.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012257 6565 375.6 UdeM00000012257 XP_022318283.1 72.3 318
70 4 1 307 1 311 6.20E-101 375.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012260 6596 1216.1 UdeM00000012260 XP_045213687.1 61
955 360 6 4 948 5 957 0.00E+00 1216.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012261 6596 94.7 UdeM00000012261 XP_045179940.1 31.8 198
81 4 12 156 147 343 1.10E-16 94.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012262 6565 151.8 UdeM00000012262 XP_022310266.1 33.4 353
192 10 1 337 1 326 1.60E-33 151.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012263 7574 378.6 UdeM00000012263 XP_013421848.1 51.2 363
166 4 48 404 193 550 1.10E-101 378.6 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012264 7574 339.3 UdeM00000012264 XP_013402385.1 52.8 301
 139 2 7 306 42 340 5.00E-90 339.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000012265 6596 831.2 UdeM00000012265 XP_045213690.1 62.2 717
 233 13 1 703 566 1258 9.50E-238 831.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012266 6596 358.2 UdeM00000012266 XP_045213693.1 61.8 309
 117 1 6 313 205 513 1.00E-95 358.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012267 6596 209.5 UdeM00000012267 XP_045213690.1 50.5 212
 87 3 1 194 2 213 3.90E-51 209.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012268 6579 108.6 UdeM00000012268 XP_033743193.1 34.2 196
 128 1 2 196 31 226 9.10E-21 108.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012272 1735272 138.7 UdeM00000012272 XP_041346684.1 38.4
 211 94 4 21 195 616 826 8.20E-30 138.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012271 1735272 296.6 UdeM00000012271 XP_041347279.1 30.7
 667 183 10 21 411 219 882 4.90E-77 296.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012273 45264 97.8 UdeM00000012273 XP_044184709.1 51.7 87
 42 0 38 124 55 141 2.10E-17 97.8 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000012274 45264 97.8 UdeM00000012274 XP_044184709.1 51.7 87
 42 0 38 124 55 141 2.20E-17 97.8 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000012275 45264 187.6 UdeM00000012275 XP_044184031.1 39.4 277
 125 6 1 237 213 486 1.90E-44 187.6 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000012276 45264 260.4 UdeM00000012276 XP_044165143.1 54.4 241
105 2 27 266 35 271 3.20E-66 260.4 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000012277 6565 86.7 UdeM00000012277 XP_022316284.1 30.3 201
137 3 30 229 1 199 5.40E-14 86.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012278 6565 88.2 UdeM00000012278 XP_022316839.1 30.5 210
143 3 30 238 1 208 1.50E-14 88.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012279 6573 486.9 UdeM00000012279 XP_021369020.1 43.6 693
357 9 25 711 32 696 4.50E-134 486.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012280 6573 535 UdeM00000012280 XP_021369020.1 45 682
348 5 44 720 33 692 1.50E-148 535 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012281 29159 253.4 UdeM00000012281 XP_011444850.1 45.9 307
154 4 1 304 131 428 3.60E-64 253.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012282 6596 62.4 UdeM00000012282 XP_045211229.1 35.8 67
43 0 1 67 648 714 2.80E-07 62.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012283 7574 105.5 UdeM00000012283 XP_013408344.1 30.2 199
130 3 19 211 27 222 8.90E-20 105.5 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000012284 6565 103.6 UdeM00000012284 XP_022316839.1 30.9 207
137 4 4 207 5 208 3.40E-19 103.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012286 6573 379.4 UdeM00000012286 XP_021348045.1 72.7 253
66 1 3 252 2 254 3.50E-102 379.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012287 6596 821.6 UdeM00000012287 XP_045214983.1 75.9 551
 131 2 1 551 1 549 6.30E-235 821.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012288 37621 115.9 UdeM00000012288 XP_014676916.1 45.2 126
 69 0 160 285 173 298 8.60E-23 115.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus

UdeM00000012289 29159 211.5 UdeM00000012289 XP_011439000.1 46.7 242
 121 4 18 258 7 241 1.30E-51 211.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012292 6573 562 UdeM00000012292 XP_021367419.1 62.4 468
 161 4 1 467 46 499 7.30E-157 562 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012293 6596 802.7 UdeM00000012293 XP_045210553.1 34.7 2009
 931 46 22 1770 957 2845 9.10E-229 802.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012294 6596 669.5 UdeM00000012294 XP_045210553.1 47.6 870
 391 13 29 865 43 880 6.20E-189 669.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012295 37653 370.5 UdeM00000012295 XP_014789662.1 35.1 746
 375 20 6 660 17 744 4.40E-99 370.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000012296 6596 367.9 UdeM00000012296 XP_045214834.1 36.5 646
 393 13 49 680 59 701 2.90E-98 367.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012297 6596 366.3 UdeM00000012297 XP_045214844.1 33.6 649
 417 10 43 679 53 699 8.40E-98 366.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012298 6596 540.8 UdeM00000012298 XP_045214686.1 69.2 377
 115 1 35 410 38 414 1.50E-150 540.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012299 6565 181 UdeM00000012299 XP_022313065.1 59 161
60 3 6 160 7 167 7.20E-42 181 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012300 1735272 121.7 UdeM00000012300 XP_041364464.1 63.2
87 32 0 7 93 26 112 5.40E-25 121.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012302 6579 948.7 UdeM00000012302 XP_033735925.1 62 769
264 14 3 754 21 778 4.40E-273 948.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012303 7574 188 UdeM00000012303 XP_013411082.1 42.7 185
102 3 233 416 277 458 4.60E-44 188 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012304 29159 871.7 UdeM00000012304 XP_019926413.2 71 617
170 5 1 616 1 609 6.00E-250 871.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012305 6596 61.6 UdeM00000012305 XP_045214504.1 44.4 72
40 0 1 72 8 79 8.30E-07 61.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012306 6687 73.2 UdeM00000012306 XP_037797777.1 50.7 73
36 0 2 74 83 155 1.90E-10 73.2 6687 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiata;Penaeoidea;Penaeidae;Penaeus;Penaeus monodon

UdeM00000012307 6596 614.8 UdeM00000012307 XP_045214504.1 77 352
81 0 1 352 197 548 7.00E-173 614.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012308 6573 109 UdeM00000012308 XP_021377235.1 45.1 133
66 3 1 127 270 401 5.50E-21 109 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012309 6573 1254.6 UdeM00000012309 XP_021363351.1 76.5
831 116 6 1 816 1 767 0.00E+00 1254.6 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012310 6579 278.9 UdeM00000012310 XP_033746745.1 51.7 294
130 5 1 288 1 288 9.40E-72 278.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012311 6596 171.8 UdeM00000012311 XP_045213491.1 47.5 238
102 8 371 588 455 689 2.60E-39 171.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000012312 6596 277.3 UdeM00000012312 XP_045210609.1 39.1 486
219 10 750 1184 1037 1496 8.90E-71 277.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000012313 2607531 222.2 UdeM00000012313 XP_036361770.1 71.1
173 39 3 3 166 53 223 5.70E-55 222.2 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000012314 6565 278.5 UdeM00000012314 XP_022297447.1 47.2 303
114 5 14 272 67 367 9.30E-72 278.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012315 451745 104.8 UdeM00000012315 XP_037553707.1 42
112 65 0 22 133 548 659 9.50E-20 104.8 451745
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Aplocheiloidei;Rivulidae;Nematolebias;Nematolebias whitei
UdeM00000012316 6596 721.8 UdeM00000012316 XP_045212231.1 76.5 447
105 0 8 454 13 459 5.30E-205 721.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000012318 6579 304.3 UdeM00000012318 XP_033755452.1 64.9 225
77 2 9 233 9 231 1.30E-79 304.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012319 29159 342.4 UdeM00000012319 XP_034322771.1 37.1 571
307 14 20 581 55 582 1.10E-90 342.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012320 6596 1242.3 UdeM00000012320 XP_045210622.1 59
1042 383 8 6 1042 5 1007 0.00E+00 1242.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012321 7668 275.4 UdeM00000012321 XP_011666894.1 40 402
215 8 7 391 5 397 1.10E-70 275.4 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus

UdeM00000012322 225164 234.6 UdeM00000012322 XP_009064523.1 53.3
212 97 1 2 213 7 216 1.30E-58 234.6 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000012323 225164 544.3 UdeM00000012323 XP_009064523.1 69.7
370 109 2 4 372 158 525 1.20E-151 544.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000012324 29159 1071.2 UdeM00000012324 XP_011454678.1 61.9
975 329 17 1 958 1 950 7.6e-310 1071.2
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012325 1735272 961.1 UdeM00000012325 XP_041363110.1 63.9
866 313 0 248 1113 139 1004 1.30E-276 961.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012326 6596 828.9 UdeM00000012326 XP_045213461.1 63 683
238 5 1 671 1 680 5.30E-237 828.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012327 6573 926.8 UdeM00000012327 XP_021370666.1 99.3 451
3 0 1 451 1 451 1.10E-266 926.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012328 7668 77.8 UdeM00000012328 XP_030841875.1 51.6 64
30 1 3 66 71 133 9.10E-12 77.8 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;

Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000012329 6596 1186.4 UdeM00000012329 XP_045212044.1 44.5
2176 955 65 1 2048 1 2052 0.00E+00 1186.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012330 6596 1143.6 UdeM00000012330 XP_045212044.1 44.7
2080 906 62 1 1955 1 1961 0.00E+00 1143.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012331 6596 704.1 UdeM00000012331 XP_045212044.1 43.4 1394
620 38 12 1313 736 2052 3.30E-199 704.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012332 6596 399.1 UdeM00000012332 XP_045212058.1 66.1 298
101 0 8 305 4 301 5.30E-108 399.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012333 6579 782.3 UdeM00000012333 XP_033746678.1 57.9 651
265 2 1 651 1 642 4.70E-223 782.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012335 6596 941.8 UdeM00000012335 XP_045210592.1 35.7 2510
1197 69 1 2260 5 2348 1.60E-270 941.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012336 6596 925.6 UdeM00000012336 XP_045210592.1 35.5 2510
1196 69 1 2252 5 2348 1.20E-265 925.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012338 400727 58.9 UdeM00000012338 XP_025105873.1 51.6
64 27 2 1 60 1 64 4.50E-06 58.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000012339 6596 526.9 UdeM00000012339 XP_045211089.1 35.9 835
507 13 7 827 10 830 4.50E-146 526.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012340 6596 460.3 UdeM00000012340 XP_045213177.1 66.8 319
105 1 2 319 21 339 2.40E-126 460.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012341 6596 1483.4 UdeM00000012341 XP_045213178.1 67.3
1058 318 5 2 1031 21 1078 0.00E+00 1483.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012343 6573 162.5 UdeM00000012343 XP_021380141.1 51.9 162
76 2 33 192 35 196 5.20E-37 162.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012342 6573 162.5 UdeM00000012342 XP_021380141.1 51.9 162
76 2 62 221 35 196 6.00E-37 162.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012346 6579 743.8 UdeM00000012346 XP_033736667.1 53 693
307 4 46 736 5 680 2.10E-211 743.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012347 6596 707.2 UdeM00000012347 XP_045214295.1 57.1 681
259 10 1 666 707 1369 2.00E-200 707.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012348 6596 382.5 UdeM00000012348 XP_045214295.1 58.6 314
128 1 5 316 1056 1369 5.20E-103 382.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012350 400727 208.4 UdeM00000012350 XP_025093061.1 50.7
203 98 2 27 228 30 231 9.80E-51 208.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000012351 6579 394 UdeM00000012351 XP_033748217.1 69.4 252
77 0 1 252 1 252 1.40E-106 394 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012352 6596 1583.5 UdeM00000012352 XP_045214772.1 67.3
1169 377 3 10 1175 9 1175 0.00E+00 1583.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012353 6596 1239.6 UdeM00000012353 XP_045214772.1 67.4
917 295 2 10 923 9 924 0.00E+00 1239.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012354 6596 454.5 UdeM00000012354 XP_045174747.1 46.5 531
279 2 1 531 12 537 1.80E-124 454.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012355 6596 457.2 UdeM00000012355 XP_045212100.1 71.3 499
110 9 1 479 1034 1519 2.50E-125 457.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012356 6596 1412.1 UdeM00000012356 XP_045212118.1 72.6
1205 268 13 1 1157 304 1494 0.00E+00 1412.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012357 6596 1403.3 UdeM00000012357 XP_045212118.1 71.9
1217 268 14 1 1169 304 1494 0.00E+00 1403.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012358 225164 168.3 UdeM00000012358 XP_009062074.1 77.1
109 25 0 1 109 674 782 6.30E-39 168.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000012359 6596 451.1 UdeM00000012359 XP_045212099.1 74.5 310
62 5 1 304 1 299 1.20E-123 451.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012360 6596 219.2 UdeM00000012360 XP_045214448.1 66.7 144
48 0 1 144 1 144 3.70E-54 219.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012361 6526 77.8 UdeM00000012361 XP_013068665.1 45.5 145
77 1 1 145 1 143 1.70E-11 77.8 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pantpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000012362 6596 290 UdeM00000012362 XP_045213977.1 60.2 226
81 2 1 226 1 217 2.60E-75 290 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012363 6596 222.2 UdeM00000012363 XP_045210620.1 77.5 120
27 0 10 129 36 155 5.00E-55 222.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012364 6596 3677.9 UdeM00000012364 XP_045210620.1 55.5
3571 1513 21 9 3545 157 3684 0.00E+00 3677.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012365 37653 249.6 UdeM00000012365 XP_014783177.1 31.5 677
382 11 8 678 9 609 1.20E-62 249.6 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000012367 6596 351.7 UdeM00000012367 XP_045212250.1 49.8 333
159 3 5 332 9 338 1.10E-93 351.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012366 6596 541.6 UdeM00000012366 XP_045212250.1 46.9 550
283 4 5 548 9 555 1.20E-150 541.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012368 6596 685.3 UdeM00000012368 XP_045159289.1 59.9 583
202 3 6 556 9 591 7.70E-194 685.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012369 6573 931.4 UdeM00000012369 XP_021340317.1 66.3 682
224 4 1 679 1 679 6.70E-268 931.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012370 6596 711.1 UdeM00000012370 XP_045214044.1 67.4 555
169 6 1 547 1 551 1.10E-201 711.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012371 6596 380.6 UdeM00000012371 XP_045214046.1 36.2 1120
496 29 1 966 1 1055 6.10E-102 380.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012372 6596 426 UdeM00000012372 XP_045214046.1 38.3 1124
524 31 1 1023 1 1055 1.30E-115 426 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012373 6596 215.3 UdeM00000012373 XP_045212359.1 34.6 641
284 14 1 524 1 623 1.80E-52 215.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012374 6596 253.4 UdeM00000012374 XP_045212359.1 38.6 666
304 16 1 604 1 623 7.00E-64 253.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012375 6596 124.8 UdeM00000012375 XP_045212359.1 34.5 403
210 12 16 406 263 623 2.50E-25 124.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012376 6596 135.2 UdeM00000012376 XP_045210644.1 55.8 120
52 1 29 147 790 909 7.00E-29 135.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012377 6596 188 UdeM00000012377 XP_045212360.1 45.6 217
109 5 19 233 135 344 1.40E-44 188 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012379 6596 750.7 UdeM00000012379 XP_045210644.1 45.4 925
466 20 4 912 54 955 2.10E-213 750.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012380 6596 184.5 UdeM00000012380 XP_045212360.1 45.6 217
109 5 19 233 135 344 1.60E-43 184.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012382 6565 492.7 UdeM00000012382 XP_022318241.1 63.6 382
133 1 5 380 3 384 1.00E-135 492.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012383 400727 241.5 UdeM00000012383 XP_025084843.1 58
193 79 2 3 193 4 196 9.00E-61 241.5 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000012384 7574 106.7 UdeM00000012384 XP_013399038.1 43.1 102
56 1 5 106 348 447 1.90E-20 106.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012385 7574 183.3 UdeM00000012385 XP_013384628.1 57.8 161
59 2 1 161 33 184 2.70E-43 183.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012386 1735272 113.2 UdeM00000012386 XP_041363650.1 57.7
78 33 0 1 78 211 288 1.50E-22 113.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012387 6596 418.7 UdeM00000012387 XP_045211186.1 45.3 475
247 8 4 469 5 475 9.80E-114 418.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012388 400727 450.3 UdeM00000012388 XP_025112701.1 62.3
324 118 1 117 440 1 320 2.90E-123 450.3 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000012389 37653 440.3 UdeM00000012389 XP_014788510.1 60.1 326
123 2 1 322 14 336 2.20E-120 440.3 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000012391 6596 199.9 UdeM00000012391 XP_045213577.1 31.3 390
 251 10 8 391 59 437 6.10E-48 199.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012390 6596 206.8 UdeM00000012390 XP_045213577.1 31.3 402
 258 11 75 470 48 437 6.00E-50 206.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012392 29159 100.1 UdeM00000012392 XP_034317111.1 56 75
 33 0 1 75 1 75 1.30E-18 100.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012394 29159 340.1 UdeM00000012394 XP_034317111.1 48.3 383
 187 5 2 376 171 550 3.60E-90 340.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012393 29159 615.9 UdeM00000012393 XP_034317111.1 42.2 867
 483 12 2 858 171 1029 7.60E-173 615.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012395 29159 180.6 UdeM00000012395 XP_034317111.1 36.5 359
 220 6 1 355 675 1029 3.40E-42 180.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012396 151771 435.6 UdeM00000012396 XP_028419301.1 50.2
 448 192 5 23 441 34 479 7.30E-119 435.6 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000012397 6596 562.8 UdeM00000012397 XP_045213255.1 44.8 687
 318 9 1 634 6 684 5.70E-157 562.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012399 7574 272.7 UdeM00000012399 XP_013415605.1 55.2 259
 109 5 7 264 612 864 5.30E-70 272.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012398 7574 272.7 UdeM00000012398 XP_013415605.1 55.2 259
 109 5 7 264 612 864 5.50E-70 272.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012401 6596 145.6 UdeM00000012401 XP_045210952.1 48.3 151
 68 2 24 165 555 704 6.00E-32 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012400 6596 434.5 UdeM00000012400 XP_045210952.1 52.5 413
 143 5 10 413 336 704 1.60E-118 434.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012402 6579 468 UdeM00000012402 XP_033734525.1 50.1 495
 214 7 1 479 98 575 1.40E-128 468 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012403 1735272 211.1 UdeM00000012403 XP_041362690.1 42.2
 287 151 6 15 289 115 398 1.90E-51 211.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012404 1735272 206.8 UdeM00000012404 XP_041362690.1 43.7
 261 134 5 15 265 141 398 3.40E-50 206.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012405 400727 260 UdeM00000012405 XP_025107714.1 69.9
 183 55 0 1 183 1 183 2.30E-66 260 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000012406 7741 200.7 UdeM00000012406 XP_019634563.1 46.3 216
 110 4 227 439 188 400 4.00E-48 200.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000012407 6565 243.8 UdeM00000012407 XP_022314738.1 60.6 203
 76 2 1 203 1 199 1.90E-61 243.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012408 6596 638.6 UdeM00000012408 XP_045212536.1 62.9 483
 166 3 29 510 6 476 6.60E-180 638.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012409 6596 444.1 UdeM00000012409 XP_045212526.1 34.8 995
 480 18 16 846 16 1005 3.90E-121 444.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012410 6596 1129.4 UdeM00000012410 XP_045213202.1 66.7
832 274 1 1 829 1 832 0.00E+00 1129.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012411 29159 161 UdeM00000012411 XP_011442838.1 48.3 180
77 4 135 298 610 789 2.70E-36 161 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012412 6596 123.2 UdeM00000012412 XP_045179939.1 47.3 129
64 3 75 200 252 379 3.70E-25 123.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012413 6596 177.2 UdeM00000012413 XP_045213202.1 68.9 119
37 0 2 120 714 832 1.30E-41 177.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012414 6596 1798.1 UdeM00000012414 XP_045213175.1 74.2
1174 290 4 84 1246 79 1250 0.00E+00 1798.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012415 6596 360.9 UdeM00000012415 XP_045157354.1 43.2 403
225 3 26 426 5 405 2.20E-96 360.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012416 6596 222.2 UdeM00000012416 XP_045211181.1 56.5 191
81 1 3 191 2 192 5.60E-55 222.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012417 29159 217.2 UdeM00000012417 XP_034339165.1 37.7 334
194 8 1 331 186 508 3.10E-53 217.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012418 29159 428.7 UdeM00000012418 XP_034299474.1 44.5 526
277 7 3 522 239 755 1.10E-116 428.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000012419 6596 449.5 UdeM00000012419 XP_045212345.1 63.9 321
 114 2 1 321 18 336 4.40E-123 449.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000012420 6596 169.5 UdeM00000012420 XP_045212345.1 72.2 115
 29 2 10 124 374 485 2.80E-39 169.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000044449 83332 277.3 UdeM00000044449 NP_216518.1 59.9 237 94
 1 4 240 2 237 1.90E-71 277.3 83332 cellular
 organisms; Bacteria; Terrabacteria
 group; Actinobacteria; Actinomycetia; Corynebacteriales; Mycobacteriaceae; Myc
 obacterium; Mycobacterium tuberculosis complex; Mycobacterium
 tuberculosis; Mycobacterium tuberculosis H37Rv
 UdeM00000044474 7668 115.2 UdeM00000044474 XP_030847080.1 40.9 149
 81 3 1 147 1 144 8.30E-23 115.2 7668 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea;
 Camarodonta; Echinidea; Strongylocentrotidae; Strongylocentrotus; Strongyloce
 ntrotus purpuratus
 UdeM00000044257 105984 316.2 UdeM00000044257 XP_028477281.1 61.6
 255 98 0 5 259 3 257 3.80E-83 316.2 105984
 cellular
 organisms; Eukaryota; Opisthokonta; Fungi; Dikarya; Basidiomycota; Agaricomycot
 ina; Tremellomycetes; Trichosporonales; Trichosporonaceae; Apiotrichum; Apiotr
 ichum porosum
 UdeM00000044483 6596 198 UdeM00000044483 XP_045184161.1 40.9 252
 124 8 18 252 358 601 1.50E-47 198 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000039270 6596 159.8 UdeM00000039270 XP_045198458.1 73.7 99
 26 0 1 99 1 99 1.80E-36 159.8 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000039271 225164 123.6 UdeM00000039271 XP_009062162.1 63.8
 127 34 2 8 127 102 223 1.80E-25 123.6 225164
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidae;
 Lottiidae; Lottia; Lottia gigantea
 UdeM00000039272 6596 1532.7 UdeM00000039272 XP_045198458.1 50.8
 2529 819 54 1 2437 128 2322 0.00E+00 1532.7 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039273 6596 265 UdeM00000039273 XP_045167863.1 61.3 199
74 2 169 367 106 301 1.40E-67 265 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039274 6596 1275.8 UdeM00000039274 XP_045196090.1 85.2
843 117 4 1 838 1 840 0.00E+00 1275.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039275 6579 315.5 UdeM00000039275 XP_033740054.1 41.5 446
249 7 9 446 6 447 1.10E-82 315.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039276 6573 193.4 UdeM00000039276 XP_021377366.1 75.8 128
27 2 1 127 1 125 1.90E-46 193.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039277 37621 112.5 UdeM00000039277 XP_014672134.1 41.6 137
77 1 2 135 139 275 4.70E-22 112.5 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000039280 6579 263.1 UdeM00000039280 XP_033740844.1 45 556
229 22 1 507 130 657 7.40E-67 263.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039281 6596 68.2 UdeM00000039281 XP_045181585.1 37 92
56 2 1 91 1 91 3.70E-08 68.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039282 6565 81.3 UdeM00000039282 XP_022329491.1 39.8 98
58 1 1 97 1 98 5.80E-12 81.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039283 29159 170.6 UdeM00000039283 XP_034323800.1 23.6 750
450 22 15 737 27 680 7.30E-39 170.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039284 6596 3273.8 UdeM00000039284 XP_045198334.1 54.2
3154 1327 42 5 3089 2508 5612 0.00E+00 3273.8 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039285	6596	1807.7		UdeM00000039285	XP_045198334.1	67.4			
1338	401	13	5	1331	2508	3821	0.00E+00	1807.7	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039286	6596	1359.4		UdeM00000039286	XP_045195413.1	34.5			
2654	1476	58	1	2501	1	2545	0.00E+00	1359.4	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039287	6596	114.8		UdeM00000039287	XP_045198336.1	42.6	122		
69	1	5	125	579	700	8.70E-23	114.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039288	6596	4535.7		UdeM00000039288	XP_045198334.1	49.4			
4887	2241	64	24	4761	809	5612	0.00E+00	4535.7	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039289	6596	105.1		UdeM00000039289	XP_045195418.1	30.2	232		
149	5	529	754	732	956	3.90E-19	105.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039290	6596	4703.3		UdeM00000039290	XP_045195413.1	48.9			
5143	2436	73	8	5035	599	5665	0.00E+00	4703.3	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039291	400727	60.8		UdeM00000039291	XP_025098957.1	37			
81	49	1	21	99	28	108	6.50E-06	60.8	400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039292	6596	80.5		UdeM00000039292	XP_045195419.1	23.3	223		
153	4	367	575	805	1023	7.90E-12	80.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039293 6596 565.8 UdeM00000039293 XP_045198333.1 36 920
543 17 17 906 840 1743 9.60E-158 565.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039294 6596 3865.5 UdeM00000039294 XP_045198334.1 52.2
3957 1692 57 21 3883 1759 5608 0.00E+00 3865.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039295 6596 932.9 UdeM00000039295 XP_045195413.1 48.3 1025
491 14 2 996 4650 5665 3.30E-268 932.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039296 1735272 1110.9 UdeM00000039296 XP_041373141.1
50.2 1115 529 9 7 1105 12 1116 0.00E+00 1110.9
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039297 6596 588.2 UdeM00000039297 XP_045195413.1 45.8 679
337 11 34 695 3950 4614 1.40E-164 588.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039298 6596 634.4 UdeM00000039298 XP_045198334.1 58.2 550
213 9 1 540 3300 3842 1.40E-178 634.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035739 6596 1180.2 UdeM00000035739 XP_045192074.1 77.5
848 172 11 1 842 1 835 0.00E+00 1180.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035740 6596 1434.9 UdeM00000035740 XP_045192074.1 77.8
1011 201 13 1 1001 1 998 0.00E+00 1434.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035741 6596 1431.8 UdeM00000035741 XP_045192074.1 77.8
 1011 200 14 1 1000 1 998 0.00E+00 1431.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035742 7604 89.7 UdeM00000035742 XP_033647944.1 50.6 77
 38 0 7 83 10 86 1.90E-15 89.7 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asterias;Asterias rubens
 UdeM00000035743 29159 126.3 UdeM00000035743 XP_034334268.1 51.6 122
 53 2 1 119 160 278 3.00E-26 126.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035744 6565 198.7 UdeM00000035744 XP_022329914.1 67.6 139
 45 0 15 153 150 288 5.40E-48 198.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035745 29159 362.8 UdeM00000035745 XP_011453191.2 47.9 390
 186 2 19 408 115 487 5.60E-97 362.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035748 6573 79 UdeM00000035748 XP_021362634.1 37.7 138
 73 4 6 139 5 133 8.40E-12 79 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035749 6573 81.3 UdeM00000035749 XP_021379779.1 46 100
 50 2 81 180 704 799 1.50E-12 81.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035750 6596 161 UdeM00000035750 XP_045198374.1 33.4 368
 97 6 1 230 1 358 1.80E-36 161 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035752 6565 108.6 UdeM00000035752 XP_022340194.1 31.9 182
 120 2 66 243 1741 1922 2.00E-20 108.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035753 9337 62.8 UdeM00000035753 XP_036613770.1 32.5 126
 83 2 4 129 1857 1980 6.40E-07 62.8 9337 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metather
 ia;Diprotodontia;Phalangeridae;Trichosurus;Trichosurus vulpecula

UdeM00000035754 6596 3618.2 UdeM00000035754 XP_045192074.1 77.2
2471 490 23 1 2420 1 2448 0.00E+00 3618.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035755 6596 473.4 UdeM00000035755 XP_045191451.1 71.1 311
88 1 6 314 7 317 2.20E-130 473.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035756 6596 144.8 UdeM00000035756 XP_045191451.1 65.7 99
34 0 6 104 7 105 6.10E-32 144.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035757 6573 145.6 UdeM00000035757 XP_021352394.1 48.5 169
74 3 2 165 115 275 7.50E-32 145.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000044460 7739 240.4 UdeM00000044460 XP_035674784.1 75.5 139
34 0 1 139 367 505 1.40E-60 240.4 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae

UdeM00000040248 6596 79.7 UdeM00000040248 XP_045190331.1 39.3 89
54 0 39 127 94 182 3.00E-12 79.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040249 114398 430.3 UdeM00000040249 XP_042903861.1 38.8
609 362 6 1 605 1 602 4.20E-117 430.3 114398

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000040250 6596 131.3 UdeM00000040250 XP_045173066.1 41.1 175
95 4 34 201 153 326 1.50E-27 131.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040251 6596 219.9 UdeM00000040251 XP_045173066.1 38.8 307
178 7 83 383 24 326 5.70E-54 219.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040252 9785 110.5 UdeM00000040252 XP_023411769.1 42.3 123
 70 1 3 124 324 446 2.10E-21 110.5 9785 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Afrotheria;Proboscidea;Elephantidae;Loxodonta;Loxodonta africana
 UdeM00000040253 6565 228.8 UdeM00000040253 XP_022294078.1 41.6 296
 160 6 39 324 147 439 1.00E-56 228.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040254 7757 94.4 UdeM00000040254 XP_032835784.1 61.1 72
 28 0 2 73 3 74 7.90E-17 94.4 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000040255 6565 221.1 UdeM00000040255 XP_022294078.1 39 300
 168 6 126 413 143 439 2.70E-54 221.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040256 6596 132.1 UdeM00000040256 XP_045169945.1 43.6 133
 75 0 1 133 37 169 5.20E-28 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040257 6596 571.6 UdeM00000040257 XP_045197406.1 75.2 367
 88 2 1 367 1 364 1.10E-159 571.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040258 29159 232.6 UdeM00000040258 XP_034332822.1 40.6 308
 169 7 98 396 109 411 8.60E-58 232.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040260 6596 121.7 UdeM00000040260 XP_045206982.1 47.1 136
 59 4 1 128 1 131 7.10E-25 121.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040262 37653 259.6 UdeM00000040262 XP_014788370.1 43.7 295
 160 4 14 306 32 322 5.00E-66 259.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000040261 37653 265 UdeM00000040261 XP_014788370.1 41.9 327
 183 5 44 368 1 322 1.40E-67 265 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000040263 6596 493 UdeM00000040263 XP_045197748.1 53.5 441
 195 3 24 464 21 451 4.10E-136 493 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044469 29159 423.7 UdeM00000044469 XP_034316358.1 42.9 508
 274 10 1 504 5 500 3.30E-115 423.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044468 29159 423.7 UdeM00000044468 XP_034316358.1 42.8 509
 275 10 62 566 4 500 3.70E-115 423.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000720 29159 515 UdeM00000000720 XP_011414145.3 35.6 795
 471 21 1 782 681 1447 1.70E-142 515 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000721 6596 299.3 UdeM00000000721 XP_045170965.1 43.9 330
 172 8 52 379 70 388 8.70E-78 299.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000722 45264 400.2 UdeM00000000722 XP_044165143.1 48.5 443
 184 4 42 444 35 473 5.10E-108 400.2 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000000723 29159 865.9 UdeM00000000723 XP_011432044.2 83.4 535
 87 2 1 534 1 534 2.70E-248 865.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000724 6579 205.7 UdeM00000000724 XP_033742122.1 51.5 206
 77 1 8 190 1 206 6.10E-50 205.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000725 6596 451.4 UdeM00000000725 XP_045213159.1 81.6 277
 48 2 1 275 1 276 8.70E-124 451.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000726 6565 409.1 UdeM00000000726 XP_022313765.1 60.1 306
 122 0 1 306 1 306 5.10E-111 409.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000727 6596 350.5 UdeM00000000727 XP_045212061.1 50.6 320
 158 0 8 327 34 353 2.30E-93 350.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000728 6596 325.5 UdeM00000000728 XP_045212061.1 48 321
 166 1 9 328 34 354 7.90E-86 325.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000729 6596 325.1 UdeM00000000729 XP_045212061.1 48 321
 166 1 16 335 34 354 1.10E-85 325.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000730 6573 1208.4 UdeM00000000730 XP_021350487.1 63.8
 865 303 4 24 885 28 885 0.00E+00 1208.4 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000732 6573 911.8 UdeM00000000732 XP_021350486.1 68 656
 206 2 1 654 1 654 5.10E-262 911.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000731 6573 940.6 UdeM00000000731 XP_021350485.1 66.9 679
 223 1 2 678 3 681 1.10E-270 940.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000733 46514 72.4 UdeM00000000733 XP_038075930.1 42.7 89
 45 3 12 98 128 212 4.10E-10 72.4 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000000736 6596 1021.5 UdeM00000000736 XP_045210703.1 59.7
 893 322 8 17 873 1029 1919 6.20E-295 1021.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000737 6579 1085.9 UdeM00000000737 XP_033738816.1 65.1
 835 275 8 7 829 6 836 0.00E+00 1085.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000738 6596 723.8 UdeM00000000738 XP_045213627.1 82.3 423
 75 0 1 423 1 423 1.30E-205 723.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000739 6596 261.9 UdeM00000000739 XP_045213626.1 61.1 198
74 1 15 212 34 228 6.90E-67 261.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000740 6596 749.2 UdeM00000000740 XP_045213262.1 55.8 715
302 8 66 771 143 852 5.20E-213 749.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000741 7574 145.2 UdeM00000000741 XP_013405563.1 35.2 267
136 6 32 295 146 378 1.30E-31 145.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000000742 6596 153.3 UdeM00000000742 XP_045213260.1 57.2 138
58 1 20 157 799 935 2.90E-34 153.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000743 6596 396 UdeM00000000743 XP_045213260.1 41.6 652
316 11 162 763 100 736 1.20E-106 396 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000744 7741 192.6 UdeM00000000744 XP_019615122.1 58.9 146
57 1 2 144 3 148 3.50E-46 192.6 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000000745 7741 186.8 UdeM00000000745 XP_019615122.1 58.9 146
57 1 2 144 3 148 1.90E-44 186.8 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000000748 6573 199.5 UdeM00000000748 XP_021348174.1 29.1 554
339 12 2 548 21 527 1.10E-47 199.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000750 6596 223.4 UdeM00000000750 XP_045169077.1 28.3 715
430 25 330 1017 233 891 1.40E-54 223.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000751 29159 334 UdeM00000000751 XP_034311213.1 63.2 250
 92 0 1 250 42 291 1.70E-88 334 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000752 29159 337.8 UdeM00000000752 XP_034311213.1 61.6 263
 101 0 29 291 29 291 1.40E-89 337.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000753 6596 258.1 UdeM00000000753 XP_045214897.1 62 192
 71 2 10 200 10 200 1.20E-65 258.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000754 400727 245.7 UdeM00000000754 XP_025096313.1 77.4
 146 32 1 4 148 3 148 3.60E-62 245.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000000755 6500 548.9 UdeM00000000755 XP_005093836.1 68.1 367
 117 0 3 369 2 368 5.00E-153 548.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000000756 6565 125.9 UdeM00000000756 XP_022299727.1 44.9 156
 84 1 1 154 46 201 4.90E-26 125.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000757 6596 824.7 UdeM00000000757 XP_045211047.1 58.7 722
 235 10 2 686 3 698 8.70E-236 824.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000760 6573 110.5 UdeM00000000760 XP_021351920.1 62.7 75
 28 0 2 76 186 260 9.30E-22 110.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000759 6579 193.7 UdeM00000000759 XP_033739930.1 57 149
 64 0 2 150 183 331 2.00E-46 193.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000762 6565 850.9 UdeM00000000762 XP_022316357.1 25.5 2745
 1374 52 59 2709 346 2514 4.50E-243 850.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000763 6596 1532.3 UdeM00000000763 XP_045212515.1 51.5
1675 753 21 17 1683 77 1699 0.00E+00 1532.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000764 6579 610.5 UdeM00000000764 XP_033735647.1 60.6 472
185 1 13 484 24 494 1.80E-171 610.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000765 6596 849.4 UdeM00000000765 XP_045213589.1 63.8 654
202 2 3 656 621 1239 3.10E-243 849.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000767 6596 259.6 UdeM00000000767 XP_045214814.1 58.3 218
90 1 5 222 3 219 3.80E-66 259.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000768 6596 472.6 UdeM00000000768 XP_045214990.1 52.9 435
200 2 29 458 5 439 5.60E-130 472.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000769 6579 165.2 UdeM00000000769 XP_033739320.1 61.1 126
49 0 40 165 74 199 7.30E-38 165.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000770 6596 1266.9 UdeM00000000770 XP_045211050.1 33
2558 1521 59 96 2536 92 2572 0.00E+00 1266.9 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000771 6596 1273.5 UdeM00000000771 XP_045211050.1 33
2558 1537 58 96 2553 92 2572 0.00E+00 1273.5 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000772 6596 1086.2 UdeM00000000772 XP_045214928.1 36
1815 1062 29 4 1759 95 1869 0.00E+00 1086.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000774 6596 222.2 UdeM000000000774 XP_045212092.1 67.3 156
 50 1 3 158 2 156 4.60E-55 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000775 6596 290.8 UdeM000000000775 XP_045213110.1 84.4 167
 26 0 1 167 1 167 1.10E-75 290.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000776 6573 425.6 UdeM000000000776 XP_021342927.1 66.8 322
 102 2 22 342 6 323 5.90E-116 425.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM000000000778 29159 353.6 UdeM000000000778 XP_011423551.1 55 411
 158 5 1 409 1 386 3.40E-94 353.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM000000000779 1415580 146 UdeM000000000779 XP_030075314.1 44.4
 214 96 5 1 206 427 625 5.40E-32 146 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM000000000780 7757 288.1 UdeM000000000780 XP_032835197.1 78.7 183
 39 0 2 184 149 331 8.10E-75 288.1 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM000000000782 6596 1112.1 UdeM000000000782 XP_045212547.1 82.2
 656 114 1 21 673 383 1038 0.00E+00 1112.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000783 6596 181 UdeM000000000783 XP_045212548.1 65.6 128
 44 0 133 260 130 257 1.90E-42 181 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000784 6596 597.4 UdeM000000000784 XP_045212546.1 70 453
 85 4 24 472 4 409 1.70E-167 597.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000785 6596 359.8 UdeM000000000785 XP_045214000.1 89.5 200
 16 1 1 195 1 200 2.30E-96 359.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000786 6596 1030.4 UdeM000000000786 XP_045213999.1 40.3
 1918 842 46 38 1785 14 1797 2.70E-297 1030.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000787 6596 1068.5 UdeM000000000787 XP_045213999.1 41.2
 1938 940 48 38 1929 14 1797 0.00E+00 1068.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000788 6596 119.4 UdeM000000000788 XP_045211760.1 45.6 136
 74 0 1 136 285 420 5.10E-24 119.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000789 6596 513.1 UdeM000000000789 XP_045211757.1 32.1 982
 605 17 57 1006 304 1255 8.50E-142 513.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000790 225164 78.2 UdeM000000000790 XP_009060253.1 38.2
 102 62 1 1 102 904 1004 6.90E-12 78.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM000000000791 6596 183 UdeM000000000791 XP_045211757.1 33.9 274
 171 4 4 269 495 766 5.20E-43 183 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000792 29159 70.5 UdeM000000000792 XP_034322594.1 50 56
 28 0 16 71 55 110 1.00E-09 70.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM000000000793 80966 179.1 UdeM000000000793 XP_022077561.1 54.5 156
 71 0 1 156 116 271 4.40E-42 179.1 80966 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Ovalentaria
 incertae sedis;Pomacentridae;Acanthochromis;Acanthochromis polyacanthus
 UdeM00000000795 151771 354.8 UdeM00000000795 XP_028419301.1 65.1
 249 87 0 116 364 162 410 1.40E-94 354.8 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000000796 45264 164.1 UdeM00000000796 XP_044184031.1 47.1 191
 91 4 160 344 300 486 3.30E-37 164.1 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000000798 6596 460.3 UdeM00000000798 XP_045212322.1 69.3 326
 92 4 7 324 34 359 2.00E-126 460.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000799 37653 126.3 UdeM00000000799 XP_014781892.1 55.7 131
 38 2 1 130 42 153 2.80E-26 126.3 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000000800 6596 409.1 UdeM00000000800 XP_045212316.1 48 394
 162 8 11 401 5 358 6.70E-111 409.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000801 6579 1258 UdeM00000000801 XP_033733751.1 75.9 900
 204 2 140 1039 129 1015 0.00E+00 1258 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000804 6596 873.6 UdeM00000000804 XP_045211683.1 77.7 560
 119 4 1 557 1 557 1.30E-250 873.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000803 6596 1205.3 UdeM00000000803 XP_045211683.1 68.1
 906 268 8 1 897 1 894 0.00E+00 1205.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000805 6596 836.3 UdeM00000000805 XP_045211954.1 86.6 484
 64 1 1 484 1 483 2.00E-239 836.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000807 6596 162.9 UdeM00000000807 XP_045211891.1 38 213
129 2 26 236 103 314 6.30E-36 162.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000809 6596 268.5 UdeM00000000809 XP_045211847.1 37.7 329
204 1 1 328 1 329 1.20E-68 268.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000810 6596 1657.5 UdeM00000000810 XP_045212835.1 73.7
1124 238 6 8 1080 7 1123 0.00E+00 1657.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000811 6596 1203.7 UdeM00000000811 XP_045212835.1 79.9
686 128 2 22 697 438 1123 0.00E+00 1203.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000813 37653 939.5 UdeM00000000813 XP_014788958.1 86.7 556
74 0 13 568 27 582 2.00E-270 939.5 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000000812 37653 954.9 UdeM00000000812 XP_014788958.1 85.4 574
84 0 9 582 9 582 4.70E-275 954.9 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000000814 6596 627.9 UdeM00000000814 XP_045211887.1 50.9 627
297 3 19 643 42 659 1.50E-176 627.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000815 400727 347.1 UdeM00000000815 XP_025086018.1 61.5
262 100 1 4 265 10 270 2.10E-92 347.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000000816 400727 345.1 UdeM00000000816 XP_025086018.1 59.2
262 106 1 4 265 10 270 7.80E-92 345.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000000817 6579 292 UdeM00000000817 XP_033738674.1 45.1 395
172 9 89 449 47 430 1.30E-75 292 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000818 105023 360.5 UdeM00000000818 XP_015828284.1 36
578 342 11 4 566 25 589 3.90E-96 360.5 105023
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothobranchius furzeri

UdeM00000000819 6596 517.7 UdeM00000000819 XP_045212343.1 68.4 342
108 0 4 345 5 346 1.10E-143 517.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000820 6596 517.7 UdeM00000000820 XP_045212343.1 67.6 346
112 0 3 348 1 346 1.20E-143 517.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000821 6596 1001.1 UdeM00000000821 XP_045212341.1 48.5
1226 480 25 184 1370 303 1416 1.50E-288 1001.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000823 6596 207.2 UdeM00000000823 XP_045216530.1 38.6 347
197 10 19 358 622 959 5.30E-50 207.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000826 6573 201.1 UdeM00000000826 XP_021346881.1 33.1 362
224 9 15 366 1 354 2.60E-48 201.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000828 6596 142.1 UdeM00000000828 XP_045168100.1 62.6 99
37 0 1 99 301 399 4.90E-31 142.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000829 6596 65.9 UdeM00000000829 XP_045173143.1 41.7 108
 57 4 31 135 204 308 5.00E-08 65.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000834 6596 778.1 UdeM00000000834 XP_045213094.1 77.8 487
 106 2 2 487 189 674 6.60E-22 778.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000835 6596 769.6 UdeM00000000835 XP_045213094.1 76.1 498
 106 3 2 498 189 674 2.40E-21 769.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000836 1735272 76.3 UdeM00000000836 XP_041362279.1 60.8
 79 30 1 269 347 27 104 9.30E-11 76.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000837 6579 363.6 UdeM00000000837 XP_033733288.1 59 315
 121 2 1 307 1 315 2.40E-97 363.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000838 6579 124.8 UdeM00000000838 XP_033733301.1 40.5 190
 92 3 1 190 1 169 1.80E-25 124.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000839 6596 251.1 UdeM00000000839 XP_045211690.1 49.1 271
 138 0 7 277 314 584 1.60E-63 251.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000841 6596 546.6 UdeM00000000841 XP_045214051.1 80.1 307
 59 2 1 306 325 630 2.00E-15 546.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000840 6596 955.7 UdeM00000000840 XP_045214051.1 71.9 629
 162 3 13 627 3 630 3.00E-27 955.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000842 70779 151 UdeM00000000842 XP_015747237.1 39.8 206
 119 2 48 249 3 207 2.10E-33 151 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera

UdeM00000000843 89399 140.6 UdeM00000000843 XP_019572540.1 34.8 244
142 5 6 236 222 461 3.10E-30 140.6 89399 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Laurasiatheria;Chiroptera;Microchiroptera;Rhinolophidae;Rh
inolophinae;Rhinolophus;Rhinolophus sinicus

UdeM00000000844 37621 151.4 UdeM00000000844 XP_014675863.1 35 243
144 5 5 236 179 418 1.70E-33 151.4 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapulus;Priapulus caudatus

UdeM00000000845 6579 570.9 UdeM00000000845 XP_033744367.1 83.2 345
53 3 7 347 5 348 2.20E-159 570.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000846 6565 2286.1 UdeM00000000846 XP_022316192.1 80.3
1391 272 1 1 1389 1 1391 0.00E+00 2286.1 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000847 6596 431.4 UdeM00000000847 XP_045213700.1 53 406
174 5 17 417 13 406 1.30E-117 431.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000848 6596 176.4 UdeM00000000848 XP_045213700.1 54.7 148
66 1 5 151 259 406 2.80E-41 176.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000849 225164 221.5 UdeM00000000849 XP_009045245.1 56
191 79 2 13 202 167 353 1.00E-54 221.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000000850 225164 227.3 UdeM00000000850 XP_009045245.1 53.9
206 90 2 12 216 152 353 2.00E-56 227.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000000851 6596 449.9 UdeM00000000851 XP_045213700.1 54.5 402
171 4 8 405 13 406 3.50E-123 449.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000852 6565 411.8 UdeM00000000852 XP_022315909.1 89.2 213
 23 0 27 239 1 213 6.30E-112 411.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000853 6596 765.4 UdeM00000000853 XP_045213534.1 53 859
 314 13 4 800 2 832 7.30E-218 765.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000854 6596 201.4 UdeM00000000854 XP_045213534.1 62.2 180
 66 2 1 179 440 618 1.00E-48 201.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000855 6579 529.3 UdeM00000000855 XP_033734909.1 56.8 507
 164 6 10 478 9 498 5.20E-147 529.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000856 400727 84 UdeM00000000856 XP_025100531.1 37.4
 107 65 2 1 106 1 106 1.40E-13 84 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000000857 6596 271.2 UdeM00000000857 XP_045156247.1 33.7 501
 258 9 10 441 260 755 2.40E-69 271.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000858 6596 871.3 UdeM00000000858 XP_045210666.1 59.4 724
 248 8 1 706 1 696 8.30E-250 871.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000859 6596 459.5 UdeM00000000859 XP_045211827.1 57.4 394
 156 7 59 441 90 482 4.70E-126 459.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000860 6596 480.7 UdeM00000000860 XP_045211832.1 52.3 455
 196 9 3 446 4 448 2.00E-132 480.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000861 6596 473.4 UdeM00000000861 XP_045211832.1 52.1 453
 200 9 3 446 4 448 3.20E-130 473.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000864 6565 122.9 UdeM00000000864 XP_022312990.1 55.6 108
 48 0 1 108 1 108 4.20E-25 122.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000865 6596 707.6 UdeM00000000865 XP_045213089.1 68 540
 169 3 1 536 1 540 1.20E-200 707.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000866 2607531 102.8 UdeM00000000866 XP_036369419.1 53.9
 102 32 1 14 100 11 112 3.40E-19 102.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000000867 6573 300.8 UdeM00000000867 XP_021360091.1 53.2 280
 129 2 3 281 113 391 1.80E-78 300.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000868 7739 119 UdeM00000000868 XP_035698548.1 32.2 233
 140 8 4 230 7 227 8.00E-24 119 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000000869 6596 95.1 UdeM00000000869 XP_045198974.1 44.6 92
 48 1 12 100 22 113 6.80E-17 95.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000870 7739 118.6 UdeM00000000870 XP_035698548.1 32.2 233
 140 8 4 230 7 227 1.00E-23 118.6 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000000871 6596 112.1 UdeM00000000871 XP_045183704.1 26.8 336
 191 10 151 473 182 475 2.20E-21 112.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000872 6579 748.8 UdeM00000000872 XP_033744346.1 83.3 438
 69 3 14 447 21 458 3.90E-213 748.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000000873 6579 166.4 UdeM00000000873 XP_033744346.1 65.9 135
42 3 14 144 21 155 2.90E-38 166.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000000874 29159 273.5 UdeM00000000874 XP_019924565.2 59.1 203
81 1 10 212 5 205 2.40E-70 273.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000000875 29159 313.9 UdeM00000000875 XP_011433409.1 58.6 232
94 1 10 241 5 234 1.80E-82 313.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000000876 6596 411 UdeM00000000876 XP_045213561.1 62.8 323
112 3 1 316 30 351 1.40E-111 411 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000878 29159 249.6 UdeM00000000878 XP_034311609.1 45.3 276
137 6 133 398 134 405 6.90E-63 249.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000000879 6596 419.9 UdeM00000000879 XP_045205492.1 53.5 372
164 3 276 642 96 463 6.00E-114 419.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000880 6596 356.7 UdeM00000000880 XP_045212394.1 85.4 206
30 0 17 222 153 358 2.20E-95 356.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000881 6596 234.6 UdeM00000000881 XP_045212394.1 73 152
41 0 1 152 1 152 8.90E-59 234.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000882 1735272 691 UdeM00000000882 XP_041362646.1 46.6
712 374 3 14 723 17 724 1.60E-195 691 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000000883 1735272 461.5 UdeM00000000883 XP_041362646.1 51.6
407 197 0 1 407 318 724 1.10E-126 461.5 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM000000000884 6596 1756.5 UdeM000000000884 XP_045212396.1 50.5
2756 1123 47 12 2633 87 2736 0.00E+00 1756.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000000888 225164 202.6 UdeM000000000888 XP_009060114.1 35
363 196 11 4 330 9 367 9.20E-49 202.6 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM000000000889 6596 332.8 UdeM000000000889 XP_045211425.1 51.7 344
149 5 1 328 1 343 5.90E-88 332.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000000890 6596 470.3 UdeM000000000890 XP_045214213.1 67.5 335
94 3 6 330 2 331 2.20E-129 470.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000000891 6579 1199.5 UdeM000000000891 XP_033735963.1 90.7
647 60 0 1 647 1 647 0.00E+00 1199.5 6579

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM000000000892 6596 655.2 UdeM000000000892 XP_045211022.1 55.8 751
268 16 26 762 549 1249 1.30E-184 655.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000000893 6596 159.8 UdeM000000000893 XP_045211022.1 57.1 147
51 4 19 156 352 495 3.20E-36 159.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000000894 1735272 194.1 UdeM000000000894 XP_041363793.1 70.1
137 40 1 1 136 14 150 1.20E-46 194.1 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000000895 6596 743 UdeM00000000895 XP_045213085.1 74.2 484
 115 3 5 480 4 485 2.30E-211 743 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
 a mercenaria

UdeM00000000896 90988 271.6 UdeM00000000896 XP_039509182.1 68.2 192
 61 0 1 192 1 192 7.90E-70 271.6 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino-
 idei;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas

UdeM00000000897 90988 211.5 UdeM00000000897 XP_039509182.1 66.7 150
 50 0 6 155 43 192 7.90E-52 211.5 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino-
 idei;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas

UdeM00000000898 109905 295 UdeM00000000898 XP_041819117.1 58.8
 250 85 2 1 250 1 232 8.80E-77 295 109905
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo-
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Chaetodontiformes;Ch-
 aetodontidae;Chelmon;Chelmon rostratus

UdeM00000000899 6579 327.8 UdeM00000000899 XP_033735063.1 80.2 192
 38 0 1 192 1 192 9.30E-87 327.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000900 400727 257.3 UdeM00000000900 XP_025098320.1 75.6
 156 38 0 6 161 37 192 1.30E-65 257.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl-
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000000901 400727 358.2 UdeM00000000901 XP_025098320.1 89.1
 192 21 0 1 192 1 192 6.40E-96 358.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl-
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000000902 6573 223.4 UdeM00000000902 XP_021358761.1 89.9 119
 12 0 4 122 74 192 1.60E-55 223.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000903 6596 169.9 UdeM00000000903 XP_045214102.1 55.3 152
 66 1 2 153 3 152 2.60E-39 169.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000904 6596 151 UdeM00000000904 XP_045214103.1 50.3 151
73 1 2 152 3 151 1.20E-33 151 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000905 6565 451.1 UdeM00000000905 XP_022318108.1 56.2 404
172 3 141 541 70 471 2.10E-123 451.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000906 6500 494.2 UdeM00000000906 XP_005109235.1 58.8 403
165 1 204 605 154 556 2.40E-136 494.2 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000000907 6596 1286.2 UdeM00000000907 XP_045169084.1 53.4
1257 544 12 1 1227 28 1272 0.00E+00 1286.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000908 6500 127.5 UdeM00000000908 XP_005109235.1 50 110
55 0 61 170 154 263 1.70E-26 127.5 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000000909 29159 372.1 UdeM00000000909 XP_034314463.1 67.1 277
90 1 8 284 301 576 6.40E-100 372.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000910 6596 1281.9 UdeM00000000910 XP_045169084.1 52.5
1257 556 12 1 1228 28 1272 0.00E+00 1281.9 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000911 6573 167.5 UdeM00000000911 XP_021358159.1 37 270
157 7 3 262 394 660 3.60E-38 167.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000912 6596 231.5 UdeM00000000912 XP_045212817.1 60.7 214
78 3 13 221 8 220 1.10E-57 231.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000913 6596 215.3 UdeM00000000913 XP_045212819.1 64.5 166
 53 2 1 166 1 160 8.20E-53 215.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000914 6573 934.9 UdeM00000000914 XP_021348847.1 70.2 631
 183 3 1 627 1 630 5.60E-269 934.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000915 6596 1299.3 UdeM00000000915 XP_045211593.1 69.2
 915 256 8 2032 2924 982 1892 0.00E+00 1299.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000915 6596 548.5 UdeM00000000915 XP_045211593.1 74.6 338
 84 1 2 339 647 982 5.10E-152 548.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000916 6565 140.2 UdeM00000000916 XP_022328252.1 49 149
 70 2 1 143 1105 1253 2.20E-30 140.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000917 225164 289.3 UdeM00000000917 XP_009064572.1 71.9
 196 48 1 18 206 8 203 4.20E-75 289.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000000918 6596 293.1 UdeM00000000918 XP_045215019.1 47.8 312
 153 2 6 317 2 303 4.20E-76 293.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000919 6579 271.6 UdeM00000000919 XP_033744348.1 53.3 259
 109 3 1 247 1 259 1.00E-69 271.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000920 6565 666.8 UdeM00000000920 XP_022313761.1 86.5 371
 50 0 69 439 76 446 1.90E-188 666.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000921 6596 141.7 UdeM00000000921 XP_045214251.1 71.1 90
 25 1 35 123 17 106 7.30E-31 141.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000922 6579 300.8 UdeM00000000922 XP_033730215.1 52.3 266
125 1 4 267 91 356 1.70E-78 300.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000925 6596 219.2 UdeM00000000925 XP_045214251.1 60.5 157
62 0 2 158 134 290 3.90E-54 219.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000923 29159 304.7 UdeM00000000923 XP_034314376.1 57.9 240
98 1 1 237 131 370 1.10E-79 304.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000924 29159 301.2 UdeM00000000924 XP_034314376.1 58.3 235
95 1 1 232 131 365 1.40E-78 301.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000927 6596 60.1 UdeM00000000927 XP_045214255.1 21.1 341
188 9 29 315 456 769 6.20E-06 60.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000926 6596 534.3 UdeM00000000926 XP_045214255.1 38.4 794
386 14 19 739 6 769 2.60E-148 534.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000929 441366 386 UdeM00000000929 XP_028296753.1 39.8
596 329 13 6 593 32 605 9.00E-104 386 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000000930 6596 366.7 UdeM00000000930 XP_045211704.1 75.3 231
57 0 1 231 1 231 3.60E-98 366.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000931 6579 77.8 UdeM00000000931 XP_033746809.1 46.6 103
48 2 1 96 1 103 8.90E-12 77.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000000932 37653 768.8 UdeM00000000932 XP_014771649.1 78.4 449
96 1 41 488 102 550 4.00E-219 768.8 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000000933 29159 316.6 UdeM00000000933 XP_034317111.1 55.8 283
124 1 2 283 171 453 3.20E-83 316.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000000934 6565 215.7 UdeM00000000934 XP_022313768.1 68.1 163
43 3 1 163 1 154 4.40E-53 215.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000000935 6596 180.3 UdeM00000000935 XP_045214921.1 41.9 203
101 2 1 186 245 447 2.70E-42 180.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000936 6596 300.8 UdeM00000000936 XP_045211715.1 34.4 419
263 5 21 431 32 446 2.90E-78 300.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000937 6596 233 UdeM00000000937 XP_045213008.1 77.1 144
33 0 7 150 4 147 3.20E-58 233 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000938 6596 753.1 UdeM00000000938 XP_045213008.1 59.9 694
203 6 7 651 4 671 3.10E-214 753.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000000939 6500 636 UdeM00000000939 XP_005112284.1 72.4 410
96 3 1 401 1 402 4.00E-179 636 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000000940 6596 141.7 UdeM00000000940 XP_045214300.1 51.9 133
64 0 51 183 322 454 9.00E-31 141.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000941 400727 452.6 UdeM00000000941 XP_025095969.1 50.3
 465 219 2 1 456 1 462 6.00E-124 452.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000000942 6596 640.2 UdeM00000000942 XP_045212702.1 61.9 512
 190 4 1 509 1 510 2.20E-180 640.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000943 6596 64.7 UdeM00000000943 XP_045213389.1 27.7 285
 178 8 83 361 280 542 4.60E-07 64.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000944 6596 64.7 UdeM00000000944 XP_045213389.1 27.7 285
 178 8 83 361 280 542 4.90E-07 64.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000945 6596 137.1 UdeM00000000945 XP_045213389.1 38.5 213
 117 5 30 235 280 485 1.10E-28 137.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000946 45264 393.7 UdeM00000000946 XP_044165535.1 49.6 367
 181 1 1 363 158 524 2.60E-106 393.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
 Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora
 UdeM00000000947 8496 84.3 UdeM00000000947 XP_014461102.1 37.8 119
 70 3 4 119 228 345 1.10E-13 84.3 8496 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;
 Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;
 Archosauria;Crocodylia;Alligatoridae;Alligatorinae;Alligator;Alligator mississippiensis
 UdeM00000000948 6596 81.3 UdeM00000000948 XP_045213389.1 28.4 197
 125 4 140 333 280 463 4.80E-12 81.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000950 7574 277.3 UdeM00000000950 XP_013384375.1 61.9 202
 76 1 4 204 26 227 1.60E-71 277.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;
 Lingulidae;Lingula;Lingula anatina

UdeM00000000951 6596 521.5 UdeM00000000951 XP_045212398.1 79.4 316
 65 0 1 316 1 316 7.20E-145 521.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000952 6596 553.5 UdeM00000000952 XP_045212400.1 59.5 437
 176 1 33 469 31 466 2.60E-154 553.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000953 6565 2551.9 UdeM00000000953 XP_022317026.1 42.3
 3549 1872 62 4 3448 20 3496 0.00E+00 2551.9 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000954 6565 2560.8 UdeM00000000954 XP_022317025.1 42.3
 3552 1876 61 4 3454 20 3499 0.00E+00 2560.8 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000955 6596 168.3 UdeM00000000955 XP_045212484.1 51 194
 82 5 1 191 1 184 9.50E-39 168.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000956 7574 478.4 UdeM00000000956 XP_013383353.1 66.9 332
 106 1 10 341 24 351 7.70E-132 478.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000000957 6596 372.5 UdeM00000000957 XP_045169782.1 53.6 332
 152 2 1 331 56 386 5.80E-100 372.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000958 6596 1117.1 UdeM00000000958 XP_045213359.1 56.4
 1160 426 20 1 1133 1 1107 0.00E+00 1117.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000959 6579 147.1 UdeM00000000959 XP_033756505.1 60.4 106
 42 0 71 176 140 245 2.10E-32 147.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000960 1529436 230.7 UdeM00000000960 XP_033105495.1 34.4
 419 217 11 1 409 12 382 3.30E-57 230.7 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000000961 6579 309.7 UdeM00000000961 XP_033748801.1 42.6 418
 223 6 5 420 10 412 6.70E-81 309.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000962 6596 282 UdeM00000000962 XP_045214795.1 70.9 172
 50 0 1 172 1 172 3.60E-72 282 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000963 6500 391.7 UdeM00000000963 XP_005108643.1 67.9 277
 84 2 1 274 1 275 7.50E-106 391.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000000964 6596 258.5 UdeM00000000964 XP_045214538.1 71.2 156
 44 1 1 155 1 156 5.60E-66 258.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000965 6596 179.1 UdeM00000000965 XP_045214539.1 68.3 123
 39 0 26 148 17 139 4.20E-42 179.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000967 6573 195.7 UdeM00000000967 XP_021374533.1 83 112
 19 0 7 118 279 390 3.40E-47 195.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000966 6596 503.8 UdeM00000000966 XP_045214536.1 77.3 384
 76 2 1 375 1 382 1.90E-139 503.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000968 6596 496.9 UdeM00000000968 XP_045214537.1 75.3 384
 84 2 1 375 1 382 2.30E-137 496.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000969 29159 59.7 UdeM00000000969 XP_019930444.2 52.2 46
 22 0 96 141 79 124 3.70E-06 59.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000000970 45264 97.8 UdeM00000000970 XP_044184709.1 51.7 87
42 0 38 124 55 141 2.20E-17 97.8 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000000971 45264 237.3 UdeM00000000971 XP_044184031.1 45.7 282
137 6 2 274 212 486 2.40E-59 237.3 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000000972 45264 236.9 UdeM00000000972 XP_044184031.1 45.9 281
136 6 1 272 213 486 3.10E-59 236.9 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000000974 45264 92 UdeM00000000974 XP_044165143.1 45.8 107
56 2 2 106 367 473 5.20E-16 92 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000000973 45264 252.7 UdeM00000000973 XP_044184028.1 37.2 444
161 6 27 356 68 507 7.20E-64 252.7 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000000975 45264 359.4 UdeM00000000975 XP_044165143.1 45.4 443
176 6 27 407 35 473 6.30E-96 359.4 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000000976 151771 312.4 UdeM00000000976 XP_028419301.1 52.3
306 139 3 9 314 6 304 6.70E-82 312.4 151771
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea
UdeM00000000977 400727 432.6 UdeM00000000977 XP_025097823.1 87.1
233 30 0 1 233 1 233 3.30E-118 432.6 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000000978 2607531 183.7 UdeM00000000978 XP_029634863.1 56.5
161 61 3 14 173 41 193 2.00E-43 183.7 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000000979 6579 233.4 UdeM00000000979 XP_033747132.1 34.9 447
251 13 101 517 146 582 7.40E-58 233.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000980 6596 939.1 UdeM00000000980 XP_045213315.1 72.9 628
151 6 1 618 1 619 2.80E-270 939.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000981 7719 294.3 UdeM00000000981 XP_026693397.1 43 377
168 6 6 351 6 366 2.20E-76 294.3 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000000982 6596 208.8 UdeM00000000982 XP_045211133.1 40.3 298
153 9 30 315 9 293 1.00E-50 208.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000984 6596 171.4 UdeM00000000984 XP_045214368.1 81.8 99
18 0 2 100 31 129 6.00E-40 171.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000983 6596 209.5 UdeM00000000983 XP_045214368.1 75.2 129
32 0 17 145 1 129 2.90E-51 209.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000985 6579 302.8 UdeM00000000985 XP_033754084.1 52.8 462
202 4 1 451 1 457 7.50E-79 302.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000986 6579 145.2 UdeM00000000986 XP_033737894.1 48.5 266
135 2 1 265 1 265 1.20E-31 145.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000987 2607531 197.2 UdeM00000000987 XP_029639946.1 64
278 83 4 3 269 5 276 2.70E-47 197.2 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000000988 6596 487.6 UdeM00000000988 XP_045213274.1 50.9 485
223 3 1 473 20 501 1.70E-134 487.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000989 6596 506.9 UdeM00000000989 XP_045213274.1 48.6 572
 258 8 1 539 20 588 3.20E-140 506.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000990 6579 377.9 UdeM00000000990 XP_033751606.1 48 435
 202 7 1 416 1 430 1.70E-101 377.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000991 400727 156 UdeM00000000991 XP_025106083.1 76.3
 93 22 0 126 218 114 206 7.10E-35 156 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000000993 45264 420.6 UdeM00000000993 XP_044171434.1 31.8 948
 591 17 18 943 11 924 5.80E-114 420.6 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000000994 6565 340.9 UdeM00000000994 XP_022314619.1 80.8 208
 35 1 1 203 1 208 1.10E-90 340.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000995 6573 522.7 UdeM00000000995 XP_021346606.1 65.9 405
 110 5 2 402 3 383 4.10E-145 522.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000996 6573 514.2 UdeM00000000996 XP_021346606.1 63.9 418
 110 6 2 415 3 383 1.50E-142 514.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000997 151771 321.6 UdeM00000000997 XP_028406951.1 34.8
 551 310 8 1 543 119 628 1.90E-84 321.6 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000000998 45264 94 UdeM00000000998 XP_044165143.1 45.8 107
 56 2 2 106 367 473 1.40E-16 94 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000000999 151771 265 UdeM00000000999 XP_028419301.1 64.2
 193 69 0 1 193 112 304 7.60E-68 265 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000001001 6596 252.7 UdeM00000001001 XP_045213482.1 55.7 201
 87 1 5 203 8 208 4.10E-64 252.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001003 6596 422.9 UdeM00000001003 XP_045211868.1 70.4 297
 85 3 1 296 1 295 3.30E-115 422.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001004 6596 656 UdeM00000001004 XP_045211871.1 89.8 344
 35 0 2 345 1 344 2.70E-185 656 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001005 6596 494.2 UdeM00000001005 XP_045211871.1 90.1 262
 26 0 1 262 83 344 1.00E-136 494.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001006 6596 58.5 UdeM00000001006 XP_045211872.1 46.4 138
 73 1 12 149 24 160 8.50E-06 58.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001007 6596 392.9 UdeM00000001007 XP_045211874.1 75.2 258
 64 0 1 258 1 258 3.20E-106 392.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001008 6596 322.8 UdeM00000001008 XP_045213875.1 54.4 309
 128 7 7 308 11 313 4.90E-85 322.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001009 6596 342.4 UdeM00000001009 XP_045214182.1 61.4 264
 100 1 34 295 47 310 5.70E-91 342.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001010 6596 143.3 UdeM00000001010 XP_045214182.1 60.5 129
 45 3 3 127 183 309 2.20E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001011 6596 171.4 UdeM00000001011 XP_045214182.1 55.6 142
 63 0 34 175 44 185 1.10E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001012 6596 309.7 UdeM00000001012 XP_045214182.1 53.9 293
 131 2 11 299 18 310 4.10E-81 309.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001013 6596 167.5 UdeM00000001013 XP_045210764.1 29.9 518
 305 15 44 527 183 676 4.60E-38 167.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001014 6596 163.3 UdeM00000001014 XP_045161152.1 36.2 235
 147 2 22 254 113 346 6.10E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001015 1735272 121.3 UdeM00000001015 XP_041364792.1 42.1
 178 82 5 539 714 442 600 4.90E-24 121.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001015 1735272 64.7 UdeM00000001015 XP_041364792.1 39.3
 84 51 0 1 84 1 84 5.50E-07 64.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001016 6573 610.9 UdeM00000001016 XP_021374424.1 57.2 526
 208 7 1 523 5 516 1.50E-171 610.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001017 6573 661 UdeM00000001017 XP_021374424.1 55.8 595
 241 10 1 592 5 580 1.40E-186 661 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001018 6596 253.1 UdeM00000001018 XP_045214182.1 45 307
 154 4 29 321 5 310 4.90E-64 253.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001019 6500 292.4 UdeM00000001019 XP_035826907.1 42.6 385
 212 5 1 383 300 677 1.10E-75 292.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000001020 6573 355.5 UdeM00000001020 XP_021354782.1 82 217
39 0 7 223 18 234 4.90E-95 355.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000001021 6573 345.1 UdeM00000001021 XP_021354781.1 74.3 241
38 1 7 247 18 234 7.30E-92 345.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000001022 29159 209.1 UdeM00000001022 XP_034312787.1 81.5 130
24 0 1 130 361 490 3.30E-51 209.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001023 1735272 731.5 UdeM00000001023 XP_041362481.1 95.2
357 17 0 1 357 1 357 5.40E-208 731.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000001024 6596 390.6 UdeM00000001024 XP_045190792.1 40.2 487
285 5 6 490 16 498 3.10E-105 390.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000028137 6596 138.7 UdeM000000028137 XP_045161410.1 72.9 85
23 0 1 85 1 85 4.20E-30 138.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000028138 29159 186 UdeM000000028138 XP_011454339.2 72 132
36 1 1 132 1 131 3.00E-44 186 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM000000028139 6579 182.6 UdeM000000028139 XP_033735012.1 54.9 645
174 8 6 584 8 601 1.50E-42 182.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM000000028140 7574 240 UdeM000000028140 XP_013411753.1 49.8 205
96 2 10 214 5 202 2.90E-60 240 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM000000028141 6596 339 UdeM000000028141 XP_045161383.1 38.6 497
264 8 1 497 1 456 1.00E-89 339 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028143 6596 166.4 UdeM00000028143 XP_045185651.1 68.2 110
32 1 51 160 45 151 3.10E-38 166.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028142 6596 1030.8 UdeM00000028142 XP_045185651.1 75.2
648 155 3 51 697 45 687 8.10E-298 1030.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028144 6596 291.2 UdeM00000028144 XP_045184448.1 54.9 237
107 0 38 274 381 617 1.40E-75 291.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028145 6596 500.7 UdeM00000028145 XP_045184448.1 65.9 372
126 1 7 377 4 375 1.60E-138 500.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028146 6573 522.7 UdeM00000028146 XP_021346594.1 59.7 402
161 1 20 420 6 407 4.40E-145 522.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028147 6573 549.7 UdeM00000028147 XP_021346594.1 61.7 405
154 1 4 407 6 410 3.20E-153 549.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028148 6573 347.4 UdeM00000028148 XP_021346594.1 65.4 237
82 0 4 240 174 410 1.40E-92 347.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028149 7539 95.9 UdeM00000028149 XP_023028017.1 57 79
34 0 1 79 304 382 3.40E-17 95.9 7539 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Chrysomelinae;Doryphorini;Leptinotarsa;Leptinotarsa decemlineata

UdeM00000028150 6565 119.4 UdeM00000028150 XP_022324430.1 65.1 83
29 0 3 85 4 86 2.20E-24 119.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028151 6596 2606.2 UdeM00000028151 XP_045167390.1 69.8
 1963 523 16 33 1962 115 2040 0.00E+00 2606.2 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028152 7574 422.2 UdeM00000028152 XP_023932112.1 46.3 454
 235 5 163 610 1 451 1.40E-114 422.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000028153 6565 338.6 UdeM00000028153 XP_022332822.1 48.7 316
 162 0 6 321 4 319 8.90E-90 338.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028154 6573 409.8 UdeM00000028154 XP_021340121.1 51.6 376
 177 3 75 446 328 702 4.40E-111 409.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028156 6596 296.2 UdeM00000028156 XP_045170965.1 44.3 325
 171 6 56 379 73 388 6.40E-77 296.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028157 7574 173.3 UdeM00000028157 XP_013408419.1 34.8 270
 171 3 58 324 133 400 5.30E-40 173.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000028158 7574 174.5 UdeM00000028158 XP_013408419.1 35.6 270
 169 3 90 356 133 400 2.50E-40 174.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000028159 6596 282.3 UdeM00000028159 XP_045182180.1 49 253
 129 0 41 293 87 339 7.20E-73 282.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028160 6596 299.3 UdeM00000028160 XP_045181224.1 48.5 270
 139 0 52 321 34 303 6.30E-78 299.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028161 29159 85.9 UdeM00000028161 XP_034331441.1 34.8 132
 71 3 1 124 722 846 4.80E-14 85.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028162 6596 289.7 UdeM00000028162 XP_045181219.1 50.6 249
123 0 68 316 77 325 5.20E-75 289.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028163 6596 308.1 UdeM00000028163 XP_045179490.1 50.8 327
144 3 1 325 1 312 1.30E-80 308.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028164 6596 61.2 UdeM00000028164 XP_045179468.1 71.1 38
11 0 31 68 309 346 5.80E-07 61.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028165 6596 201.4 UdeM00000028165 XP_045179468.1 63.2 144
51 2 54 197 206 347 1.00E-48 201.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028166 6596 364.8 UdeM00000028166 XP_045179490.1 58.3 314
125 4 1 310 1 312 1.10E-97 364.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028167 6596 320.9 UdeM00000028167 XP_045179490.1 52.2 322
123 3 4 308 5 312 1.80E-84 320.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028168 29159 120.9 UdeM00000028168 XP_011414066.2 58.3 96
40 0 1 96 1 96 9.10E-25 120.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028169 48498 58.2 UdeM00000028169 XP_020613056.1 53.7 54
21 1 26 79 162 211 6.40E-06 58.2 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000028170 29159 75.9 UdeM00000028170 XP_019922986.1 37.9 87
54 0 81 167 26 112 5.60E-11 75.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028171 6596 194.1 UdeM00000028171 XP_045187793.1 48 179
 93 0 6 184 6 184 1.60E-46 194.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028172 6596 479.6 UdeM00000028172 XP_045175723.1 66 335
 114 0 3 337 2 336 3.40E-132 479.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028173 6596 298.5 UdeM00000028173 XP_045175799.1 39.7 418
 104 2 10 281 12 427 8.90E-78 298.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028174 6596 575.9 UdeM00000028174 XP_045175799.1 56.3 519
 213 5 10 525 12 519 5.40E-161 575.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028175 6596 436.8 UdeM00000028175 XP_045175799.1 47.2 519
 171 6 10 436 12 519 3.20E-119 436.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028176 6596 428.7 UdeM00000028176 XP_045175799.1 46.2 519
 150 6 10 410 12 519 8.30E-117 428.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028177 6596 312 UdeM00000028177 XP_045175809.1 45.9 567
 264 14 1 545 205 750 1.50E-81 312 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028178 6596 733.8 UdeM00000028178 XP_045175823.1 73.2 500
 119 6 1 490 7 501 1.40E-208 733.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028179 6596 307.4 UdeM00000028179 XP_045175809.1 83.4 181
 29 1 1 180 1 181 1.60E-80 307.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028180 6573 1078.2 UdeM00000028180 XP_021378425.1 87.3
 589 75 0 27 615 13 601 0.00E+00 1078.2 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028181 6579 817.8 UdeM00000028181 XP_033735641.1 68.6 598
 188 0 29 626 127 724 9.70E-234 817.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028182 6573 431 UdeM00000028182 XP_021347262.1 78.9 247
 52 0 1 247 1 247 2.20E-117 431 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028183 6573 144.8 UdeM00000028183 XP_021347275.1 39 195
 106 3 1 182 1 195 1.10E-31 144.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028184 6596 187.6 UdeM00000028184 XP_045190584.1 40.5 242
 139 1 7 248 5 241 2.00E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028185 6596 449.5 UdeM00000028185 XP_045187054.1 74.8 310
 61 3 1 297 44 349 3.30E-123 449.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028186 6573 935.6 UdeM00000028186 XP_021347838.1 50.4 1395
 584 18 1 1357 1 1325 6.90E-269 935.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028187 6596 167.2 UdeM00000028187 XP_045187065.1 38.5 218
 129 2 10 223 12 228 2.50E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028188 1735272 135.2 UdeM00000028188 XP_041354580.1 50
 122 59 1 37 156 26 147 7.30E-29 135.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028189 6565 566.2 UdeM00000028189 XP_022313246.1 63.2 429
 152 4 17 444 10 433 3.60E-158 566.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028190 6596 478.8 UdeM00000028190 XP_045161993.1 61.2 361
139 1 3 362 2 362 6.20E-132 478.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028191 6579 190.3 UdeM00000028191 XP_033734860.1 53.2 186
80 2 1 186 1 179 2.30E-45 190.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028192 1735272 200.3 UdeM00000028192 XP_041352419.1 80
120 24 0 1 120 37 156 2.40E-48 200.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000028193 6596 137.1 UdeM00000028193 XP_045187190.1 45.9 146
79 0 1 146 1 146 1.80E-29 137.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028194 6596 738.4 UdeM00000028194 XP_045171973.1 55.8 638
266 5 1 635 1 625 7.70E-210 738.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028195 6579 437.6 UdeM00000028195 XP_033734377.1 68.6 312
96 2 6 317 17 326 1.40E-119 437.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028196 6596 1980.3 UdeM00000028196 XP_045172990.1 64.9
1539 502 17 52 1576 26 1540 0.00E+00 1980.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028197 6596 270.8 UdeM00000028197 XP_045181219.1 55.4 213
95 0 17 229 77 289 1.70E-69 270.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028198 6596 268.5 UdeM00000028198 XP_045182180.1 49.2 238
121 0 5 242 102 339 9.00E-69 268.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028199 6596 281.6 UdeM00000028199 XP_045182180.1 49.4 251
127 0 65 315 89 339 1.30E-72 281.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028200 6596 676 UdeM00000028200 XP_045187188.1 62 555
177 5 9 555 645 1173 4.00E-191 676 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028201 6573 1089.7 UdeM00000028201 XP_021379976.1 44.3
1446 708 21 9 1418 9 1392 0.00E+00 1089.7 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028202 6596 373.2 UdeM00000028202 XP_045168084.1 44.1 492
196 7 195 672 140 566 6.80E-100 373.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028203 6596 434.9 UdeM00000028203 XP_045197719.1 58.2 354
146 2 1 353 2 354 9.90E-119 434.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028204 6596 365.9 UdeM00000028204 XP_045197719.1 58.7 310
124 3 3 311 53 359 5.00E-98 365.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028205 6596 198.7 UdeM00000028205 XP_045186891.1 64.8 145
51 0 6 150 78 222 5.20E-48 198.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028206 6579 235.7 UdeM00000028206 XP_033736461.1 81.2 138
26 0 71 208 34 171 5.40E-59 235.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028207 595528 191.8 UdeM00000028207 XP_004349444.1 63.9
144 52 0 2 145 3 146 6.20E-46 191.8 595528

cellular

organisms;Eukaryota;Opisthokonta;Filasterea;Capsaspora;Capsaspora
owczarzaki;Capsaspora owczarzaki ATCC 30864

UdeM00000028208 595528 221.1 UdeM00000028208 XP_004349444.1 71.2
 146 42 0 32 177 3 148 1.10E-54 221.1 595528
 cellular
 organisms;Eukaryota;Opisthokonta;Filasterea;Capsaspora;Capsaspora
 owczarzaki;Capsaspora owczarzaki ATCC 30864
 UdeM00000028209 133434 172.9 UdeM00000028209 XP_022083902.1 70.2
 114 34 0 1 114 242 355 2.30E-40 172.9 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Valvataceae;Valvatida;Aca
 nthasteridae;Acanthaster;Acanthaster planci
 UdeM00000028210 1437191 215.7 UdeM00000028210 XP_029049447.1 67.3
 150 49 0 30 179 6 155 4.90E-53 215.7 1437191
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia bicornis;Osmia
 bicornis bicornis
 UdeM00000028211 6412 292.7 UdeM00000028211 XP_009031530.1 99.3 149
 1 0 1 149 2 150 2.60E-76 292.7 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000028212 7668 204.5 UdeM00000028212 XP_011675926.1 65.5 148
 51 0 1 148 1 148 9.30E-50 204.5 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinozoa;Echinozoa;Euechinozoa;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000028213 48498 200.7 UdeM00000028213 XP_020613090.1 68.1 144
 46 0 1 144 1 144 1.30E-48 200.7 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000028214 390379 221.9 UdeM00000028214 XP_034015211.1 75.3
 146 36 0 1 146 1 146 5.60E-55 221.9 390379
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Batrachoidaria;Batrachoidiforme
 s;Batrachoididae;Thalassophyrinae;Thalassophryne;Thalassophryne
 amazonica
 UdeM00000028216 645134 194.5 UdeM00000028216 XP_016611050.1 66.7
 150 49 1 1 150 1 149 9.70E-47 194.5 645134
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Chytridiomycota;Chytridiomycota incertae
 sedis;Chytridiomycetes;Spizellomyces;Spizellomyces;Spizellomyces
 punctatus;Spizellomyces punctatus DAOM BR117
 UdeM00000028217 667725 184.9 UdeM00000028217 XP_014153486.1 58.4
 149 62 0 1 149 1 149 7.60E-44 184.9 667725
 cellular

organisms;Eukaryota;Opisthokonta;Ichthyosporea;Ichthyophonida;Sphaeroforma;Sphaeroforma arctica;Sphaeroforma arctica JP610

UdeM00000028218 423536 246.5 UdeM00000028218 XP_002767178.1 81
147 28 0 1 147 1 147 2.10E-62 246.5 423536
cellular

organisms;Eukaryota;Sar;Alveolata;Perkinsozoa;Perkinsea;Perkinsida;Perkinsidae;Perkinsus;Perkinsus marinus;Perkinsus marinus ATCC 50983

UdeM00000028219 45351 203.4 UdeM00000028219 XP_032219228.1 75.6 131
32 0 1 131 38 168 1.80E-49 203.4 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000028220 50429 221.5 UdeM00000028220 XP_022785402.1 70.1 157
47 0 11 167 141 297 8.20E-55 221.5 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000028221 6596 93.2 UdeM00000028221 XP_045210831.1 39.3 150
74 3 1 134 1 149 2.70E-16 93.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028222 6596 466.8 UdeM00000028222 XP_045187150.1 49.6 484
233 3 1 474 135 617 3.20E-128 466.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028223 1735272 114.8 UdeM00000028223 XP_041352439.1 64.7
85 30 0 4 88 110 194 6.10E-23 114.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028224 1735272 132.1 UdeM00000028224 XP_041352439.1 64.4
101 35 1 3 103 4 103 4.20E-28 132.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028225 6565 328.2 UdeM00000028225 XP_022343048.1 58.2 282
118 0 1 282 132 413 1.00E-86 328.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028226 6596 3620.9 UdeM00000028226 XP_045187350.1 77.8
2463 436 13 1 2449 1 2365 0.00E+00 3620.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028227 1735272 600.9 UdeM00000028227 XP_041351520.1 42.3
1134 526 18 10 1091 7 1064 3.30E-168 600.9 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028228 6596 1131.3 UdeM00000028228 XP_045175037.1 39.6
1920 914 36 1 1768 1 1827 0.00E+00 1131.3 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028229 6579 62.8 UdeM00000028229 XP_033732492.1 23 317
194 10 87 363 6 312 1.10E-06 62.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028230 6565 60.8 UdeM00000028230 XP_022299013.1 41.8 67
39 0 232 298 146 212 3.50E-06 60.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028231 6579 66.2 UdeM00000028231 XP_033732492.1 23.2 315
191 10 92 364 7 312 1.00E-07 66.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028232 6579 65.5 UdeM00000028232 XP_033732492.1 23 318
194 10 87 364 6 312 1.70E-07 65.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028233 6596 283.9 UdeM00000028233 XP_045168888.1 39.9 313
178 3 29 331 181 493 2.70E-73 283.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028234 6596 124 UdeM00000028234 XP_045187633.1 34.5 229
130 3 2 211 9 236 2.20E-25 124 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028235 37621 550.4 UdeM00000028235 XP_014675321.1 59.3 435
175 1 31 463 1 435 2.40E-153 550.4 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus

UdeM00000028236 29159 72.4 UdeM00000028236 XP_011412758.3 30.6 144
90 4 12 150 63 201 6.40E-10 72.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028237 6579 66.2 UdeM00000028237 XP_033732492.1 23.2 315
 191 10 92 364 7 312 1.00E-07 66.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028239 6596 211.1 UdeM00000028239 XP_045164107.1 32.5 495
 110 7 26 319 2223 2694 2.10E-51 211.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028240 6596 137.9 UdeM00000028240 XP_045164107.1 38 213
 89 1 1 170 2707 2919 1.60E-29 137.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028242 6579 70.5 UdeM00000028242 XP_033732492.1 23.1 321
 196 10 92 370 7 318 5.40E-09 70.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028243 6579 72.8 UdeM00000028243 XP_033761099.1 20.7 300
 189 6 113 372 30 320 1.10E-09 72.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028244 6579 62 UdeM00000028244 XP_033761099.1 21.3 254
 164 5 84 301 67 320 1.60E-06 62 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028245 29159 72.4 UdeM00000028245 XP_011412758.3 30.6 144
 90 4 12 150 63 201 6.40E-10 72.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028246 37621 547 UdeM00000028246 XP_014675321.1 59.5 435
 168 2 31 457 1 435 2.40E-152 547 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000028247 6596 125.9 UdeM00000028247 XP_045187633.1 34.9 229
 129 3 2 211 9 236 5.90E-26 125.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028248 6596 289.3 UdeM00000028248 XP_045168888.1 40.3 313
 177 3 29 331 181 493 6.50E-75 289.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028249 6596 297.4 UdeM00000028249 XP_045164107.1 56.8 273
 100 3 53 319 2223 2483 2.20E-77 297.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028250 6565 111.7 UdeM00000028250 XP_022327940.1 59.8 97
 34 1 2 93 2377 2473 5.10E-22 111.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028251 6596 125.2 UdeM00000028251 XP_045164107.1 35.6 219
 97 2 1 175 2752 2970 8.50E-26 125.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028252 6596 92.8 UdeM00000028252 XP_045164107.1 34.5 168
 67 1 1 125 2752 2919 4.80E-16 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028255 6596 236.9 UdeM00000028255 XP_045168888.1 41.6 255
 126 5 3 241 246 493 2.80E-59 236.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028256 6596 240.4 UdeM00000028256 XP_045164107.1 26.4 803
 192 8 6 466 2223 2968 5.20E-60 240.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028257 6596 416.8 UdeM00000028257 XP_045169189.1 67.4 298
 94 1 12 309 17 311 2.50E-113 416.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028258 225164 362.5 UdeM00000028258 XP_009063618.1 61.1
 298 116 0 20 317 1 298 5.70E-97 362.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000028260 6573 415.2 UdeM00000028260 XP_021378461.1 44.9 486
 241 8 3 485 15 476 1.10E-112 415.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028261 29159 204.1 UdeM00000028261 XP_011416189.2 71.9 135
 35 2 3 136 6 138 3.60E-49 204.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028262 29159 146.7 UdeM00000028262 XP_011416186.1 85.9 78
11 0 1 78 1 78 1.20E-32 146.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028263 7574 104.4 UdeM00000028263 XP_013404567.1 41.3 126
70 2 188 310 9 133 3.80E-19 104.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin

guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000028264 6596 379.8 UdeM00000028264 XP_045165749.1 81.4 247
46 0 1 247 1 247 2.70E-102 379.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028265 6579 742.7 UdeM00000028265 XP_033736025.1 77.7 461
101 1 6 464 547 1007 2.90E-211 742.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect

inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028266 6579 343.6 UdeM00000028266 XP_033736025.1 78.6 210
45 0 135 344 798 1007 2.90E-91 343.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect

inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028268 6579 205.7 UdeM00000028268 XP_033729790.1 39.4 274
161 2 10 283 17 285 1.90E-49 205.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect

inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028270 2652724 179.1 UdeM00000028270 XP_020913146.1 41.5
272 137 5 154 424 166 416 1.20E-41 179.1 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000028271 6579 196.4 UdeM00000028271 XP_033729790.1 44.9 214
118 0 10 223 17 230 4.00E-47 196.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect

inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028273 2652724 179.1 UdeM00000028273 XP_020913146.1 41.5
272 137 5 154 424 166 416 1.20E-41 179.1 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000028274 6579 196.8 UdeM00000028274 XP_033729790.1 44.9 214
118 0 10 223 17 230 3.10E-47 196.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect

inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028275 29159 166.4 UdeM00000028275 XP_034339171.1 39.5 210
 121 4 1 208 653 858 4.10E-38 166.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028276 6579 745 UdeM00000028276 XP_033736024.1 45.6 956
 399 18 14 910 11 904 1.20E-211 745 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028277 6596 605.9 UdeM00000028277 XP_045162889.1 57 589
 223 11 2 570 3 581 5.40E-170 605.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028278 6596 194.1 UdeM00000028278 XP_045175322.1 49 202
 103 0 3 204 415 616 1.80E-46 194.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028279 6596 409.5 UdeM00000028279 XP_045175322.1 50.6 411
 197 3 7 415 10 416 5.40E-111 409.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028280 6596 2228.8 UdeM00000028280 XP_045181146.1 65.6
 1866 576 15 29 1864 404 2234 0.00E+00 2228.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028281 6596 534.3 UdeM00000028281 XP_045181124.1 79.3 329
 62 1 43 365 75 403 1.30E-148 534.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028282 6573 156.4 UdeM00000028282 XP_021367980.1 33 569
 318 12 1355 1894 910 1444 4.60E-34 156.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028282 6573 79 UdeM00000028282 XP_021367980.1 54.7 75
 32 1 552 626 386 458 9.30E-11 79 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018932 6596 332.4 UdeM00000018932 XP_045182203.1 40.3 459
 265 4 35 488 137 591 1.10E-87 332.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018933 1735272 286.6 UdeM00000018933 XP_041361800.1 35.3
499 234 7 63 481 235 724 6.00E-74 286.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018934 77115 377.5 UdeM00000018934 XP_038133904.1 61.3 282
107 1 9 290 11 290 1.50E-101 377.5 77115 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinodontini;Cyprinodon;Cyprinodon tularosa

UdeM00000018935 30732 184.9 UdeM00000018935 XP_024118320.1 44.2 208
114 2 14 221 409 614 1.10E-43 184.9 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Beloniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000018936 1250792 280 UdeM00000018936 XP_041861569.1 44
336 178 6 25 359 341 667 4.20E-72 280 1250792

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000018937 8236 121.3 UdeM00000018937 XP_044216249.1 39 177
102 2 31 207 100 270 1.50E-24 121.3 8236 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombridae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000018938 32473 64.7 UdeM00000018938 XP_027860025.1 52.7 55
23 1 25 76 40 94 5.90E-08 64.7 32473 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Xiphophorus;Xiphophorus couchianus

UdeM00000018939 6579 176.4 UdeM00000018939 XP_033727094.1 58.7 138
 57 0 123 260 514 651 4.80E-41 176.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pecti
 nida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018940 6596 319.3 UdeM00000018940 XP_045182203.1 38 521
 280 9 22 504 131 646 8.80E-84 319.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018941 1735272 279.6 UdeM00000018941 XP_041361800.1 45
 358 168 7 5 339 373 724 5.20E-72 279.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018942 1735272 279.6 UdeM00000018942 XP_041361800.1 45
 358 168 7 37 371 373 724 5.70E-72 279.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018943 45264 66.2 UdeM00000018943 XP_044167082.1 37.9 95
 56 1 1 92 103 197 2.70E-08 66.2 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000018944 400727 213.8 UdeM00000018944 XP_025108466.1 50.7
 205 100 1 1 205 140 343 2.20E-52 213.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000018945 6596 124.4 UdeM00000018945 XP_045180427.1 49.6 115
 56 1 47 159 159 273 1.40E-25 124.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018947 6596 380.2 UdeM00000018947 XP_045170207.1 73.3 240
 64 0 50 289 8 247 3.00E-102 380.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018948 1250792 158.3 UdeM00000018948 XP_041832618.1 56.4
 133 58 0 5 137 6 138 7.50E-36 158.3 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorphae;Percomorphaceae;Ovalentaria;Atherinomorphae;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani
UdeM00000018949 6412 503.4 UdeM00000018949 XP_009009748.1 53.2 436
186 2 25 449 2 430 3.00E-139 503.4 6412 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;Helobdella;Helobdella robusta
UdeM00000018950 6565 627.5 UdeM00000018950 XP_022310623.1 70.4 426
121 1 12 437 19 439 1.30E-176 627.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018951 6596 536.2 UdeM00000018951 XP_045180331.1 72.9 373
98 3 1 373 1 370 3.40E-149 536.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018953 29159 693.7 UdeM00000018953 XP_019921604.2 45 1239
508 26 44 1147 42 1241 4.70E-196 693.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018954 6596 148.7 UdeM00000018954 XP_045180252.1 35.5 228
138 1 2 229 3 221 1.10E-32 148.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018955 29159 130.2 UdeM00000018955 XP_011417891.2 67.7 93
28 2 6 97 160 251 1.60E-27 130.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018956 1735272 308.5 UdeM00000018956 XP_041360999.1 57.9
240 99 2 6 245 6 243 7.70E-81 308.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
Gigantopelta;Gigantopelta aegis
UdeM00000018957 29159 99.4 UdeM00000018957 XP_011417890.3 42.5 106
60 1 19 124 41 145 4.80E-18 99.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018958 1735272 194.5 UdeM00000018958 XP_041360999.1 39
246 147 3 1 246 1 243 1.60E-46 194.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
Gigantopelta;Gigantopelta aegis
UdeM00000018959 1735272 199.9 UdeM00000018959 XP_041360999.1 40.2
246 144 3 1 246 1 243 3.90E-48 199.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018960 1735272 162.5 UdeM00000018960 XP_041360999.1 37.4
246 126 4 1 221 1 243 6.20E-37 162.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018961 1735272 139.8 UdeM00000018961 XP_041360999.1 37.7
212 104 4 1 187 1 209 3.70E-30 139.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018962 1735272 164.9 UdeM00000018962 XP_041360999.1 35.4
246 131 4 1 221 1 243 1.30E-37 164.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018963 1735272 291.6 UdeM00000018963 XP_041360999.1 57.9
235 94 3 5 239 9 238 9.30E-76 291.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018964 7574 154.8 UdeM00000018964 XP_013417145.1 59.3 118
44 2 9 126 11 124 7.20E-35 154.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000018965 6596 209.5 UdeM00000018965 XP_045181324.1 50.2 211
89 6 1 207 1 199 4.70E-51 209.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018966 6596 209.5 UdeM00000018966 XP_045181324.1 50.2 211
89 6 1 207 1 199 5.40E-51 209.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018967 6579 121.3 UdeM00000018967 XP_033761142.1 23 538
367 16 6 515 2 520 3.70E-24 121.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018968 6579 458.4 UdeM00000018968 XP_033727232.1 53 541
226 7 93 612 122 655 1.50E-125 458.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018969 8868 69.7 UdeM00000018969 XP_035423088.1 31.9 182
 78 12 56 217 79 234 5.30E-09 69.7 8868 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Galloanserae;Anseriformes;Anatidae;Anserinae;Cygnus;Cygnus
 atratus

UdeM00000018970 221976 59.3 UdeM00000018970 XP_041334617.1 31.2
 189 82 8 34 216 413 559 7.10E-06 59.3 221976
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Passeriformes;Passeroidea;Passeridae;Pyrgilauda;Pyrgilauda
 ruficollis

UdeM00000018972 6334 67.4 UdeM00000018972 XP_003376901.1 35.1 131
 58 7 25 154 468 572 1.80E-08 67.4 6334 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Nematoda;Enoplea;Dorylaimia;Trichinellida;Trichinellidae;Trichi
 nella;Trichinella spiralis

UdeM00000018973 2652724 74.3 UdeM00000018973 XP_020912735.1 45.4
 97 50 2 29 125 2659 2752 1.20E-10 74.3 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000018974 37621 111.3 UdeM00000018974 XP_014679849.1 60.6 99
 38 1 48 145 164 262 1.30E-21 111.3 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus

UdeM00000018974 37621 75.5 UdeM00000018974 XP_014679849.1 74.3 35
 9 0 146 180 589 623 7.90E-11 75.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus

UdeM00000018975 6596 2545.8 UdeM00000018975 XP_045193558.1 35.6
 4404 2624 93 28 4332 15 4307 0.00E+00 2545.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018976 6596 372.9 UdeM00000018976 XP_045167481.1 51.4 356
 163 7 11 360 75 426 4.80E-10 372.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018977 6596 2575.8 UdeM00000018977 XP_045193558.1 35.3
 4516 2684 92 13 4422 15 4399 0.00E+00 2575.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018978 6596 2564.6 UdeM00000018978 XP_045193558.1 35.3
4479 2679 86 1134 5516 42 4399 0.00E+00 2564.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018979 6573 178.7 UdeM00000018979 XP_021351749.1 71.1 128
33 3 4 127 7 134 5.00E-42 178.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018981 6573 181.4 UdeM00000018981 XP_021351749.1 69 129
37 2 2 127 6 134 1.10E-42 181.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018982 6596 2394.8 UdeM00000018982 XP_045193558.1 34.3
4346 2653 90 25 4286 172 4399 0.00E+00 2394.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018985 6596 2177.5 UdeM00000018985 XP_045193558.1 34
4068 2475 82 10 3984 445 4396 0.00E+00 2177.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018986 6596 408.7 UdeM00000018986 XP_045193558.1 50.4 417
191 6 21 430 15 422 9.30E-111 408.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018987 29159 536.6 UdeM00000018987 XP_034317111.1 51.9 539
251 5 1 535 1 535 3.70E-149 536.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018988 29159 349.4 UdeM00000018988 XP_019926412.2 58.6 290
119 1 131 419 2 291 6.60E-93 349.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018992 6596 212.2 UdeM00000018992 XP_045185723.1 39.1 320
171 6 4 319 456 755 1.20E-51 212.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018993 6596 579.7 UdeM00000018993 XP_045215263.1 33.4 1165
 328 11 59 789 4 1154 5.70E-162 579.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018994 1735272 96.7 UdeM00000018994 XP_041379412.1 40.8
 120 67 2 15 133 11 127 3.70E-17 96.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018995 6596 2535.8 UdeM00000018995 XP_045193558.1 35
 4477 2701 95 150 4535 42 4399 0.00E+00 2535.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018997 6596 458.8 UdeM00000018997 XP_045180256.1 46 530
 235 9 159 647 97 616 1.20E-125 458.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018998 6596 132.1 UdeM00000018998 XP_045180899.1 35.8 201
 126 1 31 231 35 232 1.10E-27 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018999 6596 220.7 UdeM00000018999 XP_045181959.1 43.2 410
 181 15 1 381 1 387 3.20E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019000 1735272 76.6 UdeM00000019000 XP_041371610.1 36.3
 135 67 3 1 117 76 209 2.30E-11 76.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019001 6596 299.3 UdeM00000019001 XP_045206316.1 41.9 442
 207 9 45 465 84 496 8.80E-78 299.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019004 6596 236.1 UdeM00000019004 XP_045182203.1 38.3 373
 188 8 1 338 404 769 6.70E-59 236.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019018 400727 111.7 UdeM00000019018 XP_025089898.1 33.7
190 95 4 44 204 652 839 1.20E-21 111.7 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000019020 76193 99.4 UdeM00000019020 XP_014367806.1 54.1 85
39 0 1 85 732 816 4.00E-18 99.4 76193 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Papilionidae;Papilioninae;Papilionini;Papilio;Papilio machaon

UdeM00000019021 218467 235.7 UdeM00000019021 XP_023213948.1 46
278 149 1 94 371 1346 1622 1.30E-58 235.7 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000019022 6573 87 UdeM00000019022 XP_021346189.1 53.8 78
36 0 30 107 1 78 1.60E-14 87 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019026 6573 228.8 UdeM00000019026 XP_021355924.1 58 212
81 3 25 232 9 216 8.00E-57 228.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019027 6596 235.3 UdeM00000019027 XP_045181941.1 74.2 151
39 0 9 159 54 204 5.30E-59 235.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019028 6596 233.8 UdeM00000019028 XP_045181941.1 66.5 176
55 1 2 177 33 204 1.70E-58 233.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019029 6596 436.4 UdeM00000019029 XP_045191724.1 58.5 402
149 3 28 411 37 438 4.00E-119 436.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019030 6596 557.8 UdeM00000019030 XP_045181557.1 78.4 365
70 4 1 364 1 357 1.20E-155 557.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019031 6596 582.4 UdeM00000019031 XP_045181554.1 47.4 658
324 9 1 639 2 656 7.00E-163 582.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019032 6579 508.4 UdeM00000019032 XP_033726991.1 64.6 381
43 1 29 409 665 953 8.20E-141 508.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019034 1073090 71.2 UdeM00000019034 XP_022578436.1 35.2
145 88 4 7 147 4 146 1.40E-09 71.2 1073090

cellular

organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Ascomycota;saccharomyceta;Pezizomycotina;leotiomyceta;Eurotiomycetes;Eurotiomycetidae;Eurotiales;Aspergillaceae;Penicillium;Penicillium zonata;Penicillium zonata CBS 506.65

UdeM00000019035 7668 127.9 UdeM00000019035 XP_789104.5 46.2 156 75
2 2 153 52 202 1.10E-26 127.9 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000019037 6596 397.1 UdeM00000019037 XP_045169063.1 36.8 638
376 11 18 637 14 642 4.30E-107 397.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019038 6596 275 UdeM00000019038 XP_045169075.1 33.5 498
304 11 3 482 154 642 1.90E-70 275 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019039 6565 172.2 UdeM00000019039 XP_022342298.1 35.3 343
123 5 16 275 200 526 9.40E-40 172.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019040 6565 172.2 UdeM00000019040 XP_022342298.1 35.3 343
123 5 18 277 200 526 9.50E-40 172.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019041 6596 731.1 UdeM00000019041 XP_045182690.1 52.5 714
317 6 43 753 38 732 1.40E-207 731.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019042 6596 90.9 UdeM00000019042 XP_045182551.1 48.4 91
 47 0 1 91 2 92 9.50E-16 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019043 6596 209.9 UdeM00000019043 XP_045196479.1 44.3 230
 127 1 13 242 3 231 3.60E-51 209.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019044 6596 226.1 UdeM00000019044 XP_045182096.1 36.1 382
 218 3 15 373 78 456 7.60E-56 226.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019045 6596 325.1 UdeM00000019045 XP_045180892.1 67.1 237
 72 4 5 240 8 239 7.60E-86 325.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019046 6596 240.4 UdeM00000019046 XP_045180893.1 56.5 214
 92 1 1 214 1 213 3.70E-60 240.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019047 6596 198.7 UdeM00000019047 XP_045182096.1 30.5 479
 231 8 15 491 78 456 1.70E-47 198.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019048 6596 196.1 UdeM00000019048 XP_045182096.1 30.9 482
 228 8 15 495 78 455 1.10E-46 196.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019049 6596 207.2 UdeM00000019049 XP_045180342.1 30.7 424
 253 3 13 432 36 422 4.20E-50 207.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019050 6573 527.7 UdeM00000019050 XP_021357519.1 36.8 920
 508 23 6 879 5 897 2.90E-146 527.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019051 6579 270.8 UdeM00000019051 XP_033726671.1 51.8 282
 121 6 992 1273 708 974 9.00E-69 270.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019051 6579 72 UdeM00000019051 XP_033726671.1 50.7 73
 33 1 17 89 35 104 6.10E-09 72 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019052 6596 194.9 UdeM00000019052 XP_045182493.1 74.8 119
 30 0 1 119 1 119 5.90E-47 194.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019053 6596 1031.6 UdeM00000019053 XP_045183076.1 51.7
 1085 438 17 8 1080 54 1064 7.30E-298 1031.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019055 6596 288.1 UdeM00000019055 XP_045180964.1 40.3 464
 236 8 15 469 3 434 2.00E-74 288.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019056 6579 391 UdeM00000019056 XP_033727099.1 59.4 335
 132 3 131 464 18 349 2.20E-105 391 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019057 6579 385.6 UdeM00000019057 XP_033727099.1 59.1 337
 132 4 131 466 18 349 9.10E-104 385.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019058 29159 67.8 UdeM00000019058 XP_034329456.1 49.3 71
 31 1 82 152 451 516 1.50E-08 67.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019059 7574 70.1 UdeM00000019059 XP_013389723.1 29.9 177
 101 4 54 213 55 225 4.30E-09 70.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019061 7574 67.8 UdeM00000019061 XP_013380638.1 27.9 172
 102 4 58 213 59 224 2.10E-08 67.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000019062 7574 65.1 UdeM00000019062 XP_013389723.1 28.6 182
 103 5 54 215 55 229 1.40E-07 65.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019063 7574 70.9 UdeM00000019063 XP_013389723.1 30.6 222
 130 5 6 210 11 225 2.50E-09 70.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019064 7574 63.5 UdeM00000019064 XP_013414043.1 26.4 178
 104 5 58 215 59 229 4.00E-07 63.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019066 7574 60.8 UdeM00000019066 XP_013389723.1 28.5 151
 92 3 59 199 60 204 2.40E-06 60.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019068 7574 70.5 UdeM00000019068 XP_013389723.1 30.2 182
 98 5 58 219 59 231 3.30E-09 70.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019069 7574 67.4 UdeM00000019069 XP_013414043.1 25.9 224
 143 5 9 215 11 228 2.80E-08 67.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019070 7574 65.9 UdeM00000019070 XP_013380638.1 30 210
 125 4 14 207 15 218 8.20E-08 65.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019071 7574 69.3 UdeM00000019071 XP_013414043.1 29.6 179
 94 5 58 213 59 228 7.40E-09 69.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019072 6596 366.7 UdeM00000019072 XP_045183006.1 52.4 355
 163 5 38 389 848 1199 3.80E-98 366.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019073 7574 67 UdeM00000019073 XP_013414043.1 26.7 176
 103 4 58 213 59 228 3.70E-08 67 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019074 6596 1247.3 UdeM00000019074 XP_045183006.1 54.4
 1169 500 13 3 1165 58 1199 0.00E+00 1247.3 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019075 8005 80.1 UdeM00000019075 XP_035388140.1 31.8 132
84 4 101 232 26 151 4.20E-12 80.1 8005 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnotoidei;Gymnotidae;Electrophorus;Electrophorus electricus

UdeM00000019077 225164 137.1 UdeM00000019077 XP_009049302.1 48.1
133 69 0 29 161 6 138 2.10E-29 137.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000019078 225164 152.1 UdeM00000019078 XP_009049302.1 48.6
142 73 0 20 161 9 150 6.10E-34 152.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000019079 225164 156.4 UdeM00000019079 XP_009049302.1 48.3
145 75 0 10 154 6 150 3.10E-35 156.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000019080 225164 150.2 UdeM00000019080 XP_009049302.1 47.2
144 76 0 33 176 6 149 2.60E-33 150.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000019081 225164 146 UdeM00000019081 XP_009049302.1 48.2
137 71 0 50 186 13 149 5.10E-32 146 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000019082 400727 257.7 UdeM00000019082 XP_025093899.1 40.2
326 174 5 142 461 83 393 2.90E-65 257.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000019084 29159 143.7 UdeM00000019084 XP_034334268.1 41.3 167
71 1 18 157 184 350 2.00E-31 143.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019083 29159 201.8 UdeM00000019083 XP_034334268.1 47.9 194
98 1 1 194 160 350 7.80E-49 201.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000019085 6565 756.1 UdeM00000019085 XP_022308715.1 68.3 520
165 0 3 522 1 520 2.90E-215 756.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019086 29159 354 UdeM00000019086 XP_034313418.1 32.7 765
424 26 480 1220 4709 5406 7.80E-94 354 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000019087 6573 377.1 UdeM00000019087 XP_021340778.1 57 321
138 0 10 330 30 350 2.40E-101 377.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect

inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000019088 6596 73.6 UdeM00000019088 XP_045180327.1 42.3 104
46 2 18 112 20 118 1.90E-10 73.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019089 6596 825.1 UdeM00000019089 XP_045180323.1 76.5 519
122 0 1 519 31 549 5.00E-236 825.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019090 6596 130.2 UdeM00000019090 XP_045181586.1 29.5 264
150 4 1 230 4 265 5.70E-27 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019091 1735272 71.2 UdeM00000019091 XP_041360471.1 32.8
125 79 1 1 120 1 125 3.60E-09 71.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel

tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019092 6596 124.8 UdeM00000019092 XP_045181586.1 29.8 265
150 4 1 231 4 266 2.40E-25 124.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019093 6573 1454.1 UdeM00000019093 XP_021365348.1 71.7
975 266 8 2 972 400 1368 0.00E+00 1454.1 6573

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect

inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019094 6573 1661.7 UdeM00000019094 XP_021365349.1 70.1
 1376 379 11 1 1353 1 1367 0.00E+00 1661.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019095 29159 1500.7 UdeM00000019095 XP_034317487.1 82.9
 933 153 3 2 933 22 948 0.00E+00 1500.7
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019096 6579 368.6 UdeM00000019096 XP_033727315.1 76.1 226
 53 1 1 226 242 466 5.60E-99 368.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019097 6596 297 UdeM00000019097 XP_045180521.1 59.2 267
 93 5 1 251 1 267 2.30E-77 297 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019098 6596 1147.9 UdeM00000019098 XP_045180520.1 83.6
 641 105 0 1 641 1 641 0.00E+00 1147.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019099 225164 196.1 UdeM00000019099 XP_009050136.1 88.2
 110 12 1 1 109 278 387 2.40E-47 196.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000019100 6412 139.8 UdeM00000019100 XP_009012561.1 81.7 82
 13 1 15 94 1 82 1.80E-30 139.8 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000019101 6573 436 UdeM00000019101 XP_021347927.1 72.7 275
 75 0 1 275 1 275 3.70E-119 436 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019103 6596 192.2 UdeM00000019103 XP_045201917.1 36.8 269
 159 3 9 266 13 281 1.10E-45 192.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019108 6596 216.5 UdeM00000019108 XP_045185723.1 37.9 346
 192 6 7 345 455 784 7.90E-53 216.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019109 6565 75.1 UdeM00000019109 XP_022322655.1 41.4 87
50 1 1 86 662 748 4.90E-11 75.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019110 29159 207.2 UdeM00000019110 XP_034299474.1 43.7 261
141 3 1 261 394 648 2.50E-50 207.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019111 6565 83.6 UdeM00000019111 XP_022322655.1 45 100
55 0 2 101 413 512 1.60E-13 83.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019116 6565 88.2 UdeM00000019116 XP_022322655.1 38.2 110
67 1 1 109 639 748 7.10E-15 88.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019117 29159 187.6 UdeM00000019117 XP_034299474.1 42.8 243
132 3 1 241 394 631 2.40E-44 187.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019118 6565 84 UdeM00000019118 XP_022322655.1 45 100
55 0 2 101 413 512 1.30E-13 84 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019121 6596 476.5 UdeM00000019121 XP_045182512.1 41.9 666
348 14 1 642 12 662 5.40E-131 476.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019124 6596 359 UdeM00000019124 XP_045182062.1 54.6 359
120 8 2 317 123 481 2.10E-95 359 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019125 6596 281.2 UdeM00000019125 XP_045181359.1 58.4 233
97 0 1 233 1 233 1.20E-72 281.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019126 6573 879 UdeM00000019126 XP_021359728.1 60.3 754
221 11 2 686 3 747 4.10E-252 879 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019127 400727 149.1 UdeM00000019127 XP_025091637.1 64.5
110 37 1 10 119 4 111 3.70E-33 149.1 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000019128 8078 197.6 UdeM00000019128 XP_035991581.1 44.3 210
112 3 750 959 1622 1826 7.90E-47 197.6 8078 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus

heteroclitus

UdeM00000019129 6596 166.4 UdeM00000019129 XP_045176664.1 31.7 319
206 5 20 333 227 538 6.90E-38 166.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019130 6596 167.2 UdeM00000019130 XP_045176094.1 37.9 269
147 8 7 261 9 271 3.20E-38 167.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019131 6596 180.3 UdeM00000019131 XP_045176664.1 37.4 286
167 8 131 409 287 567 5.20E-42 180.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019132 8078 229.6 UdeM00000019132 XP_035996634.1 43.2 292
103 4 10 238 100 391 4.40E-57 229.6 8078 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus

heteroclitus

UdeM00000019133 6596 120.2 UdeM00000019133 XP_045214418.1 36.1 194
111 6 24 208 118 307 3.20E-24 120.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019134 6596 109 UdeM00000019134 XP_045175693.1 28.1 306
166 11 82 381 854 1111 1.50E-20 109 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019135 29159 260.4 UdeM00000019135 XP_034318948.1 47 268
140 1 1 266 686 953 2.50E-66 260.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019136 6565 226.5 UdeM00000019136 XP_022306954.1 40.3 303
144 6 174 444 651 948 6.80E-56 226.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019136 6565 120.6 UdeM00000019136 XP_022306954.1 33.8 225
116 4 12 223 6 210 5.20E-24 120.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019137 29159 194.9 UdeM00000019137 XP_034315421.1 51.9 206
93 3 135 336 271 474 1.70E-46 194.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019138 6596 133.7 UdeM00000019138 XP_045176664.1 40 190
107 5 153 338 381 567 4.60E-28 133.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019139 6565 183 UdeM00000019139 XP_022287574.1 81.6 103
19 0 30 132 72 174 2.70E-43 183 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019141 6565 134 UdeM00000019141 XP_022306758.1 46 161
81 2 7 164 3 160 2.50E-28 134 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019142 6596 230.7 UdeM00000019142 XP_045176664.1 29.7 555
334 16 38 558 35 567 4.50E-57 230.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019143 6573 402.9 UdeM00000019143 XP_021356047.1 48.4 434
218 2 73 505 21 449 6.00E-109 402.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019145 6596 71.6 UdeM00000019145 XP_045177053.1 29.5 156
94 6 63 209 80 228 2.80E-09 71.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019146 6596 70.1 UdeM00000019146 XP_045177053.1 31.2 138
 82 5 19 147 95 228 7.00E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019147 27687 60.1 UdeM00000019147 XP_028657207.1 37.1 89
 48 1 9 97 48 128 4.00E-06 60.1 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000019148 27687 91.3 UdeM00000019148 XP_028657207.1 61.3 62
 24 0 17 78 663 724 6.00E-16 91.3 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000019149 29159 201.1 UdeM00000019149 XP_019926413.2 82 128
 21 2 1 127 292 418 9.10E-49 201.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019153 6596 302.4 UdeM00000019153 XP_045182035.1 67.5 240
 71 4 2 236 4 241 5.20E-79 302.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019155 6596 162.2 UdeM00000019155 XP_045176664.1 34.6 286
 175 7 131 409 287 567 1.50E-36 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019156 6596 199.1 UdeM00000019156 XP_045177053.1 32.8 344
 210 9 5 335 95 430 8.80E-48 199.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019157 6596 141 UdeM00000019157 XP_045176094.1 39.2 212
 120 6 4 210 63 270 1.80E-30 141 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019159 6596 124.4 UdeM00000019159 XP_045177053.1 30.7 251
 147 5 16 251 159 397 2.20E-25 124.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019160 6596 152.9 UdeM00000019160 XP_045181277.1 33.7 246
 149 7 6 243 182 421 5.30E-34 152.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019161 6596 60.1 UdeM00000019161 XP_045181277.1 23.6 127
 85 2 15 131 93 217 3.20E-06 60.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019163 6596 131.3 UdeM00000019163 XP_045176094.1 39.7 194
 109 5 10 199 81 270 1.30E-27 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019164 6596 183 UdeM00000019164 XP_045176664.1 36.7 311
 171 10 451 746 268 567 1.40E-42 183 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019165 6596 109.4 UdeM00000019165 XP_045174482.1 27.6 352
 221 13 15 338 21 366 9.70E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019166 6596 92.8 UdeM00000019166 XP_045176094.1 38.1 134
 80 2 1 132 84 216 5.60E-16 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019167 6596 86.7 UdeM00000019167 XP_045174482.1 24.2 368
 230 10 15 349 21 372 6.80E-14 86.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019168 6596 103.2 UdeM00000019168 XP_045176094.1 35.5 172
 105 3 114 283 64 231 6.30E-19 103.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019169 6596 97.8 UdeM00000019169 XP_045176094.1 36.8 152
 90 3 6 155 84 231 1.60E-17 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019170 6596 199.1 UdeM00000019170 XP_045176664.1 28 536
 318 14 12 512 9 511 1.40E-47 199.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019171 6596 108.6 UdeM00000019171 XP_045214418.1 32.6 187
 119 4 13 195 66 249 9.40E-21 108.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019172 10224 194.5 UdeM00000019172 XP_006819375.1 55 191
 73 1 13 203 113 290 2.10E-46 194.5 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000019173 6596 126.3 UdeM00000019173 XP_045176664.1 32.2 239
 151 5 26 258 234 467 5.70E-26 126.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019174 7741 251.5 UdeM00000019174 XP_019622111.1 47.1 280
 116 3 5 254 1 278 1.10E-63 251.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000019175 6596 211.1 UdeM00000019175 XP_045176664.1 29.7 488
 300 13 19 473 90 567 3.10E-51 211.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019176 6596 208.4 UdeM00000019176 XP_045176664.1 29.5 499
 299 14 19 485 90 567 2.10E-50 208.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019177 6596 68.9 UdeM00000019177 XP_045177372.1 25.6 281
 148 8 4 233 21 291 1.00E-08 68.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019178 6596 143.3 UdeM00000019178 XP_045177053.1 34.3 251
 149 8 11 252 191 434 4.30E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019180 6596 222.2 UdeM00000019180 XP_045176664.1 29.3 557
 352 15 18 548 27 567 1.60E-54 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019181 6596 163.3 UdeM00000019181 XP_045176664.1 28.1 480
 265 14 7 419 1 467 6.80E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019182 7574 97.1 UdeM00000019182 XP_023931762.1 66.2 65
 22 0 389 453 250 314 6.70E-17 97.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000019184 46514 368.2 UdeM00000019184 XP_038061741.1 32.3 915
 473 34 134 961 865 1720 3.40E-98 368.2 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000019185 29159 212.2 UdeM00000019185 XP_034313418.1 35.6 371
 207 10 5 362 5087 5438 1.10E-51 212.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019186 29159 203 UdeM00000019186 XP_034313418.1 37.1 334
 179 9 6 327 5124 5438 6.00E-49 203 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019187 6596 91.3 UdeM00000019187 XP_045176094.1 36.8 144
 80 2 8 151 84 216 1.20E-15 91.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019188 29159 973.4 UdeM00000019188 XP_034313457.1 26.8 3964
 2205 132 1341 5060 1847 5357 1.10E-279 973.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019188 29159 147.9 UdeM00000019188 XP_034313457.1 28 461
 293 15 1227 1667 1222 1663 3.50E-31 147.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019189 29159 775.8 UdeM00000019189 XP_034313418.1 34.5 1628
 920 61 514 2059 3875 5438 1.40E-220 775.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019190 6596 415.6 UdeM00000019190 XP_045193407.1 29.6 1095
 625 32 142 1167 1120 2137 5.10E-112 415.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019191 29159 317.4 UdeM00000019191 XP_011432590.1 49 351
 155 5 1 328 1 350 2.20E-83 317.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019192 29159 342.4 UdeM00000019192 XP_011432590.1 51.3 351
 159 4 1 340 1 350 6.50E-91 342.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019193 6596 122.9 UdeM00000019193 XP_045164042.1 43.9 148
 80 2 171 317 88 233 7.60E-25 122.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019194 6596 253.4 UdeM00000019194 XP_045172484.1 25.2 656
 469 8 8 655 66 707 7.80E-64 253.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019195 6596 182.6 UdeM00000019195 XP_045172484.1 29.1 382
 251 7 5 378 70 439 1.20E-42 182.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019196 6596 264.6 UdeM00000019196 XP_045206071.1 25.9 754
 433 10 15 662 28 761 3.40E-67 264.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019197 6596 77 UdeM00000019197 XP_045168144.1 27.4 208
 123 4 149 339 619 815 5.10E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019198 6596 93.2 UdeM00000019198 XP_045181640.1 57.3 96
 39 1 1 94 264 359 2.50E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019199 29159 273.5 UdeM00000019199 XP_011449844.1 24.7 675
 484 9 13 666 14 685 7.30E-70 273.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000019201 6565 175.3 UdeM00000019201 XP_022321940.1 21.4 555
393 7 1 522 138 682 2.10E-40 175.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019202 6596 648.7 UdeM00000019202 XP_045181640.1 58.5 629
228 10 131 751 86 689 9.50E-183 648.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019203 6579 339.3 UdeM00000019203 XP_033741403.1 68.4 237
75 0 1 237 1 237 3.90E-90 339.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000019204 6596 250.8 UdeM00000019204 XP_045182963.1 41.6 368
190 6 37 385 78 439 3.70E-63 250.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019205 6596 666.8 UdeM00000019205 XP_045182420.1 45.5 863
406 17 125 974 1452 2263 4.30E-188 666.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019206 6596 1227.2 UdeM00000019206 XP_045182420.1 47.5
1569 660 35 1 1524 1 1451 0.00E+00 1227.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000019207 47969 101.7 UdeM00000019207 XP_039470406.1 33.1 148
91 3 96 241 13 154 1.40E-18 101.7 47969 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichliformes;Cichlidae;African
cichlids;Pseudocrenilabrinae;Oreochromini;Oreochromis;Oreochromis aureus
UdeM00000019208 6565 323.6 UdeM00000019208 XP_022322717.1 63.6 247
84 4 58 302 69 311 2.80E-85 323.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019209 6573 327 UdeM00000019209 XP_021356482.1 62.9 248
86 4 74 319 70 313 2.70E-86 327 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000019210 6565 304.3 UdeM00000019210 XP_022322717.1 60.5 253
94 4 54 304 67 315 1.80E-79 304.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019212 6565 96.7 UdeM00000019212 XP_022322655.1 41.8 110
63 1 1 109 639 748 2.00E-17 96.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019211 29159 179.1 UdeM00000019211 XP_034299474.1 50.6 178
87 1 1 177 578 755 4.90E-42 179.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000019213 29159 213 UdeM00000019213 XP_034299474.1 42.9 261
142 3 3 259 239 496 5.40E-52 213 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000019214 400727 322 UdeM00000019214 XP_025083302.1 62.7
255 89 4 65 317 62 312 8.50E-85 322 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000019215 6565 239.2 UdeM00000019215 XP_022322717.1 63 189
66 3 34 222 131 315 5.10E-60 239.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019216 29159 85.1 UdeM00000019216 XP_011437187.2 34.2 114
72 1 2 115 210 320 6.50E-14 85.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000019217 6573 549.7 UdeM00000019217 XP_021378217.1 76.3 363
81 2 1 359 1 362 2.80E-153 549.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000019219 6573 195.7 UdeM00000019219 XP_021340030.1 33.2 419
271 3 4 413 10 428 1.20E-46 195.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000019220 6573 145.6 UdeM00000019220 XP_021340030.1 31.1 325
205 2 13 323 65 384 1.10E-31 145.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019222 6573 189.1 UdeM00000019222 XP_021340030.1 29.6 425
 276 3 5 413 11 428 1.10E-44 189.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019223 6573 178.3 UdeM00000019223 XP_021340030.1 29.2 421
 283 2 5 413 11 428 2.00E-41 178.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019224 6573 173.7 UdeM00000019224 XP_021340030.1 28.7 421
 285 2 5 413 11 428 5.00E-40 173.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019225 6573 61.6 UdeM00000019225 XP_021354431.1 37.2 78
 49 0 1 78 663 740 6.50E-07 61.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019226 29159 656.8 UdeM00000019226 XP_034303860.1 46.5 753
 312 14 5 691 21 748 3.20E-185 656.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019227 6565 102.1 UdeM00000019227 XP_022312527.1 46.1 102
 54 1 86 186 70 171 8.80E-19 102.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019228 6596 63.9 UdeM00000019228 XP_045175479.1 28.2 142
 83 2 4 126 21 162 2.90E-07 63.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019229 6596 88.6 UdeM00000019229 XP_045175479.1 31.7 142
 97 0 4 145 21 162 1.20E-14 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019230 6573 171.8 UdeM00000019230 XP_021340030.1 30.8 412
 273 5 5 405 11 421 1.90E-39 171.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019231 7574 133.7 UdeM00000019231 XP_023933510.1 57.8 102
 42 1 28 129 248 348 1.80E-28 133.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019232 29159 758.8 UdeM00000019232 XP_011425180.2 69.4 828
 218 7 1 804 1 817 7.60E-216 758.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000019233 2607531 164.9 UdeM00000019233 XP_029634756.1 52.6
173 75 1 15 180 806 978 9.90E-38 164.9 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct

UdeM00000019234 6579 107.1 UdeM00000019234 XP_033726576.1 74.3 74
15 2 4 73 2 75 9.90E-21 107.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect

UdeM00000019235 6573 162.9 UdeM00000019235 XP_021374919.1 37.4 273
147 7 109 370 211 470 7.60E-37 162.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect

UdeM00000019236 6573 162.9 UdeM00000019236 XP_021374919.1 37.4 273
147 7 107 368 211 470 7.60E-37 162.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect

UdeM00000019238 6565 276.6 UdeM00000019238 XP_022326632.1 51.4 247
117 2 8 254 78 321 3.30E-71 276.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000019239 6596 1600.5 UdeM00000019239 XP_045174685.1 55.6
1505 641 9 18 1505 430 1924 0.00E+00 1600.5 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000019240 6596 363.2 UdeM00000019240 XP_045174685.1 63.8 290
100 1 1 285 154 443 5.50E-97 363.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000019241 6596 105.5 UdeM00000019241 XP_045210831.1 41.4 152
72 3 1 136 1 151 5.40E-20 105.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000019242 6596 380.9 UdeM00000019242 XP_045187150.1 50 394
192 2 1 394 229 617 1.90E-102 380.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

a mercenaria

UdeM00000019243 6579 322 UdeM00000019243 XP_033752232.1 61.5 262
 85 3 3 251 2 260 7.00E-85 322 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019245 6573 152.1 UdeM00000019245 XP_021368212.1 66.4 113
 32 1 13 125 2 108 4.60E-34 152.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019244 6579 442.6 UdeM00000019244 XP_033752403.1 51.2 490
 213 9 13 493 2 474 6.70E-121 442.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019246 6579 299.7 UdeM00000019246 XP_033752403.1 46.8 378
 181 8 2 370 108 474 5.20E-78 299.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019247 6565 459.1 UdeM00000019247 XP_022335152.1 64.9 402
 140 1 1 402 1 401 5.60E-126 459.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019248 29159 276.2 UdeM00000019248 XP_034330259.1 45.3 296
 149 5 23 316 414 698 6.10E-71 276.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019249 6596 236.9 UdeM00000019249 XP_045201011.1 49.2 260
 121 4 16 274 7 256 3.10E-59 236.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019250 29159 109 UdeM00000019250 XP_034307341.1 25.9 344
 203 10 3 304 5 338 1.10E-20 109 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019251 1735272 238 UdeM00000019251 XP_041374187.1 35.6
 486 155 13 1 346 1 468 1.70E-59 238 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019252 6579 294.3 UdeM00000019252 XP_033764274.1 40.8 346
 170 4 6 319 252 594 1.90E-76 294.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019253 6579 127.1 UdeM00000019253 XP_033747958.1 60.5 86
 34 0 1 86 87 172 1.10E-26 127.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000019254 6596 103.6 UdeM00000019254 XP_045208720.1 33.5 182
115 2 5 185 754 930 5.00E-19 103.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019255 6596 104 UdeM00000019255 XP_045208720.1 33.5 182
115 2 5 185 754 930 2.30E-19 104 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019256 37653 85.1 UdeM00000019256 XP_014782792.1 30.7 176
109 3 7 171 646 819 1.00E-13 85.1 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000040806 7574 239.2 UdeM00000040806 XP_013409676.1 50.7 268
115 5 1 261 1 258 6.00E-60 239.2 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000040808 7574 260.8 UdeM00000040808 XP_013382110.1 61.9 194
74 0 14 207 45 238 1.50E-66 260.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000040807 7574 260.8 UdeM00000040807 XP_013382110.1 59.6 208
78 1 1 208 37 238 1.50E-66 260.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000040810 6579 110.5 UdeM00000040810 XP_033740904.1 53.8 91
42 0 231 321 27 117 4.20E-21 110.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040811 6596 98.6 UdeM00000040811 XP_045208792.1 43.3 134
72 3 1 132 1 132 9.70E-18 98.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040812 6565 162.9 UdeM00000040812 XP_022337267.1 38 305
109 9 11 237 264 566 5.10E-37 162.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040814 7719 194.9 UdeM00000040814 XP_004227365.1 52.2 161
77 0 6 166 2 162 8.20E-47 194.9 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000040813 7054 264.2 UdeM00000040813 XP_031350480.1 52.5 219
103 1 1 218 249 467 1.40E-67 264.2 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000040815 7054 77.4 UdeM00000040815 XP_031346849.1 59.7 67
27 0 1 67 101 167 1.00E-11 77.4 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000040816 13164 127.1 UdeM00000040816 XP_022160646.1 50.9 108
53 0 1 108 7 114 1.40E-26 127.1 13164 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
phidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Myzus;Myzus
persicae

UdeM00000040820 6596 360.9 UdeM00000040820 XP_045187536.1 74.1 247
63 1 2 248 228 473 1.30E-96 360.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040821 6596 289.3 UdeM00000040821 XP_045187536.1 60.4 225
87 1 1 225 502 724 4.30E-75 289.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040826 37653 170.2 UdeM00000040826 XP_014789722.1 46 302
55 3 77 273 1331 1629 3.70E-39 170.2 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000040827 29159 134 UdeM00000040827 XP_034315421.1 35.3 258
108 5 40 242 221 474 2.50E-28 134 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040829 29159 485.3 UdeM00000040829 XP_034322147.1 68.1 326
104 0 1 326 374 699 5.90E-134 485.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040830 6565 199.5 UdeM00000040830 XP_022306954.1 44.3 212
116 1 1 210 737 948 4.20E-48 199.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040833 6596 401.7 UdeM00000040833 XP_045182313.1 37.3 770
 329 18 13 756 572 1213 2.00E-108 401.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040834 6596 58.5 UdeM00000040834 XP_045182316.1 34.8 115
 44 3 17 130 408 492 7.20E-06 58.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040835 7739 470.3 UdeM00000040835 XP_035696678.1 38.2 702
 266 4 103 636 202 903 4.00E-129 470.3 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000044129 6596 122.5 UdeM00000044129 XP_045171947.1 39.8 161
 91 2 179 339 181 335 1.10E-24 122.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026039 7741 120.6 UdeM00000026039 XP_019628258.1 51.4 105
 51 0 2 106 931 1035 1.30E-24 120.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000026040 6565 272.7 UdeM00000026040 XP_022325115.1 32.3 616
 310 12 4 610 3 520 1.10E-69 272.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026041 6596 277.3 UdeM00000026041 XP_045203637.1 48.6 290
 106 3 1 290 609 855 2.20E-71 277.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026042 29159 688 UdeM00000026042 XP_011434317.2 69 503
 150 4 2 500 70 570 9.20E-195 688 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026045 6596 704.5 UdeM00000026045 XP_045204956.1 59.5 587
 232 3 13 599 196 776 1.10E-199 704.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026046 6573 674.9 UdeM00000026046 XP_021350367.1 65.3 499
 158 3 37 522 18 514 8.60E-191 674.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026047 6573 672.2 UdeM00000026047 XP_021350367.1 65.8 494
 154 3 49 529 23 514 5.60E-190 672.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026048 6579 615.5 UdeM00000026048 XP_033742168.1 39.9 915
 466 19 1 870 20 895 1.00E-172 615.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026049 6596 311.2 UdeM00000026049 XP_045204605.1 54.2 284
 106 3 24 294 28 300 1.40E-81 311.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026050 6596 226.5 UdeM00000026050 XP_045204594.1 34.5 833
 428 34 16 808 22 776 1.40E-55 226.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026051 6565 251.5 UdeM00000026051 XP_022320680.1 58.3 187
 77 1 72 258 31 216 1.10E-63 251.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026052 2607531 306.6 UdeM00000026052 XP_029657462.1 56
 277 122 0 92 368 7 283 4.40E-80 306.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000026053 29159 734.9 UdeM00000026053 XP_034301342.1 64.2 547
 190 3 34 574 30 576 7.60E-209 734.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026054 6579 1249.2 UdeM00000026054 XP_033743782.1 74.2
 855 220 1 1 855 1 854 0.00E+00 1249.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026055 29159 375.2 UdeM00000026055 XP_011442206.1 73.6 242
 54 1 7 238 2 243 6.30E-101 375.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026056 6596 506.1 UdeM00000026056 XP_045206047.1 55.4 708
 255 8 1269 1967 1385 2040 2.10E-139 506.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026056 6596 129 UdeM00000026056 XP_045206047.1 52.7 131
48 1 1 131 1 117 6.80E-26 129 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026056 6596 114 UdeM00000026056 XP_045206047.1 45.9 146
69 3 745 890 597 732 2.30E-21 114 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026057 6596 328.9 UdeM00000026057 XP_045203554.1 76.4 203
48 0 1 203 1 203 4.40E-87 328.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026058 29159 105.1 UdeM00000026058 XP_011431267.2 50.5 101
50 0 1 101 19 119 5.70E-20 105.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026059 210409 81.6 UdeM00000026059 XP_045105039.1 52.6
78 36 1 10 86 310 387 5.40E-13 81.6 210409
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Brachyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus trituberculatus

UdeM00000026060 6579 351.3 UdeM00000026060 XP_033743198.1 60.6 277
109 0 1 277 16 292 1.10E-93 351.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026061 1735272 325.5 UdeM00000026061 XP_041359639.1 55.7
287 116 3 1 287 1 276 7.00E-86 325.5 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026062 6596 69.7 UdeM00000026062 XP_045204937.1 88.9 36
4 0 17 52 2 37 1.60E-09 69.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026063 6500 146 UdeM00000026063 XP_005106266.1 50 162
69 3 17 177 35 185 4.70E-32 146 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000026064 6579 109 UdeM00000026064 XP_033743198.1 58.1 74
31 0 1 74 219 292 2.70E-21 109 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000026065 6579 365.2 UdeM00000026065 XP_033743198.1 62.9 278
103 0 1 278 16 293 7.60E-98 365.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000026068 6579 354.8 UdeM00000026068 XP_033743198.1 63.4 268
98 0 1 268 16 283 5.20E-94 354.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000026069 6579 362.1 UdeM00000026069 XP_033743198.1 61.9 278
106 0 1 278 16 293 6.50E-97 362.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000026070 6579 167.5 UdeM00000026070 XP_033743198.1 55.6 133
59 0 2 134 161 293 1.10E-38 167.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000026071 6579 349.4 UdeM00000026071 XP_033743091.1 48 344
168 4 1 338 15 353 5.30E-93 349.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000026072 260615 193.7 UdeM00000026072 XP_039385216.1 87
115 15 0 17 131 412 526 1.40E-46 193.7 260615
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Sauropsida; Sauria; Archelosauria; Testudinata; Testudines; Cryptodira; Durocryptodira; Testudinoidea; Geoemydidae; Geoemydinae; Mauremys; Mauremys reevesii

UdeM00000026073 1735272 92 UdeM00000026073 XP_041358575.1 57.5
73 31 0 1 73 12 84 5.60E-16 92 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000026074 6579 461.8 UdeM00000026074 XP_033743094.1 67.7 359
102 4 4 356 7 357 7.70E-127 461.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000026075 6573 329.3 UdeM00000026075 XP_021361328.1 79 205
43 0 1 205 153 357 3.40E-87 329.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026076 6596 385.6 UdeM00000026076 XP_045204381.1 56.6 357
 147 5 1 351 1 355 7.30E-104 385.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026077 6500 500.7 UdeM00000026077 XP_012945462.1 74.8 313
 79 0 82 394 79 391 1.70E-138 500.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidae;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000026078 6579 972.2 UdeM00000026078 XP_033742457.1 69.1 725
 206 5 8 727 10 721 3.60E-280 972.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026081 2652724 89 UdeM00000026081 XP_020900102.1 29.2
 264 113 10 23 281 61 255 1.50E-14 89 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000026082 2652724 84.7 UdeM00000026082 XP_020900102.1 32.7
 171 101 6 56 222 33 193 1.60E-13 84.7 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000026089 6105 102.1 UdeM00000026089 XP_031570619.1 35.4 175
 107 5 49 221 22 192 1.60E-18 102.1 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000026090 6105 77.4 UdeM00000026090 XP_031566938.1 41.4 116
 56 5 3 110 506 617 1.70E-11 77.4 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000026093 6105 106.3 UdeM00000026093 XP_031570619.1 36 175
 106 5 49 221 22 192 5.40E-20 106.3 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000026098 6105 101.7 UdeM00000026098 XP_031570619.1 35.4 175
 107 5 49 221 22 192 1.30E-18 101.7 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000026103 6105 101.7 UdeM00000026103 XP_031570619.1 35.5 172
 105 5 52 221 25 192 1.30E-18 101.7 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000026113 6596 352.1 UdeM00000026113 XP_045203580.1 56.6 302
 131 0 1 302 1 302 7.30E-94 352.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026114 1735272 1638.2 UdeM00000026114 XP_041357021.1
 57.5 1483 598 17 87 1555 75 1538 0.00E+00 1638.2
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026115 6596 210.7 UdeM00000026115 XP_045206053.1 47.6 349
 148 12 104 432 1486 1819 3.70E-51 210.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026116 6579 199.5 UdeM00000026116 XP_033748267.1 42.7 260
 134 7 4 255 10 262 5.10E-48 199.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026117 6596 409.8 UdeM00000026117 XP_045204037.1 71.2 278
 80 0 1 278 1 278 2.80E-111 409.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026118 6596 415.6 UdeM00000026118 XP_045204037.1 60.2 374
 124 4 75 423 274 647 7.50E-113 415.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026119 6573 213.8 UdeM00000026119 XP_021369519.1 46.9 243
 116 5 19 255 27 262 2.60E-52 213.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026120 6573 211.5 UdeM00000026120 XP_021369519.1 46.5 243
 117 5 19 255 27 262 1.30E-51 211.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026123 6596 793.9 UdeM00000026123 XP_045205234.1 62.9 618
 221 3 29 646 404 1013 1.50E-226 793.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026122 6596 1037.3 UdeM00000026122 XP_045205234.1 60.3
 857 320 6 1 851 171 1013 1.10E-299 1037.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026124 29159 260 UdeM00000026124 XP_011418163.2 49.8 269
 126 4 3 267 174 437 3.50E-66 260 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026125 6596 221.9 UdeM00000026125 XP_045205234.1 68.1 163
49 2 1 163 1 160 6.30E-55 221.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026126 6565 704.1 UdeM00000026126 XP_022327372.1 58.3 576
236 3 1 574 8 581 1.40E-199 704.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026127 6565 137.1 UdeM00000026127 XP_022326035.1 28.9 346
172 7 172 513 117 392 6.30E-29 137.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026129 6565 69.7 UdeM00000026129 XP_022290110.1 48.4 62
31 1 122 182 51 112 5.10E-09 69.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026130 6565 344.4 UdeM00000026130 XP_022327372.1 45.1 399
159 3 23 363 185 581 1.80E-91 344.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026131 6596 122.9 UdeM00000026131 XP_045205252.1 25.9 402
238 11 179 550 80 451 1.30E-24 122.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026132 6565 689.5 UdeM00000026132 XP_022327372.1 56.8 583
248 3 1 581 1 581 3.70E-195 689.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026136 6596 226.1 UdeM00000026136 XP_045204839.1 41.1 309
169 6 291 592 320 622 1.20E-55 226.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026137 6596 226.1 UdeM00000026137 XP_045204839.1 41.1 309
169 6 294 595 320 622 1.20E-55 226.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026139 7054 230.7 UdeM00000026139 XP_031350379.1 38.9 347
192 7 1 327 1 347 2.60E-57 230.7 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
UdeM00000026140 6596 62.4 UdeM00000026140 XP_045205343.1 64.1 39
14 0 66 104 128 166 6.10E-07 62.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026141 6596 62.4 UdeM00000026141 XP_045205343.1 64.1 39
14 0 66 104 128 166 6.10E-07 62.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026144 6565 139.4 UdeM00000026144 XP_022305631.1 41.6 197
102 4 1 185 18 213 4.60E-30 139.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026147 6596 67.4 UdeM00000026147 XP_045205361.1 41.8 91
48 2 57 144 73 161 1.80E-08 67.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026149 225164 67 UdeM00000026149 XP_009059819.1 43.5
85 43 2 47 128 71 153 2.10E-08 67 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000026151 6596 58.9 UdeM00000026151 XP_045205365.1 75 32
8 0 66 97 83 114 6.00E-06 58.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026154 225164 68.6 UdeM00000026154 XP_009059819.1 42.7
110 49 5 43 147 71 171 7.80E-09 68.6 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000026155 225164 74.3 UdeM00000026155 XP_009059819.1 40.6
106 52 4 69 163 66 171 1.60E-10 74.3 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000026156 6596 385.2 UdeM00000026156 XP_045187606.1 44 520
258 10 9 512 17 519 1.30E-103 385.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026157 6596 835.9 UdeM00000026157 XP_045205778.1 46.2 1014
514 13 31 1028 36 1033 6.40E-239 835.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026160 6596 802.7 UdeM00000026160 XP_045205778.1 42.9 1155
570 22 4 1135 36 1123 5.90E-229 802.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026161 6596 682.9 UdeM00000026161 XP_045205778.1 41.7 992
497 13 15 934 22 1004 5.70E-193 682.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026162 7574 148.7 UdeM00000026162 XP_013390258.1 31.2 321
206 7 5 313 5 322 1.50E-32 148.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000026163 6596 284.6 UdeM00000026163 XP_045181541.1 24.6 1212
741 40 87 1200 93 1229 5.70E-73 284.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026165 6596 341.3 UdeM00000026165 XP_045205716.1 53.8 316
129 3 1 310 13 317 1.30E-90 341.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026164 6596 357.5 UdeM00000026164 XP_045205716.1 54.3 328
133 3 1 322 1 317 1.90E-95 357.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026166 6579 62.8 UdeM00000026166 XP_033743177.1 43.5 62
35 0 79 140 65 126 4.10E-07 62.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026167 6596 209.9 UdeM00000026167 XP_045206975.1 39.5 243
138 6 9 244 6 246 5.20E-51 209.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026168 29159 61.2 UdeM00000026168 XP_011418168.2 31 113
78 0 21 133 25 137 5.40E-06 61.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026169 29159 61.2 UdeM00000026169 XP_011418168.2 31 113
78 0 21 133 25 137 5.20E-06 61.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026170 6596 187.2 UdeM00000026170 XP_045203187.1 64.4 146
45 2 1 146 1 139 1.50E-44 187.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026171 6596 758.1 UdeM00000026171 XP_045203183.1 47.2 1054
461 24 29 1017 30 1053 1.50E-215 758.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026172 6596 138.3 UdeM00000026172 XP_045203172.1 54.7 159
58 7 70 224 43 191 1.20E-29 138.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026173 6596 1543.1 UdeM00000026173 XP_045203182.1 70.8
1021 258 5 13 999 171 1185 0.00E+00 1543.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026174 6596 321.6 UdeM00000026174 XP_045203172.1 64.2 229
79 1 1 226 1022 1250 8.00E-85 321.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026175 6596 1174.5 UdeM00000026175 XP_045203166.1 39.2
1530 445 10 104 1193 89 1573 0.00E+00 1174.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000044329 7574 444.1 UdeM00000044329 XP_013381964.1 87.9 223
27 0 9 231 16 238 1.10E-121 444.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000043211 6573 102.8 UdeM00000043211 XP_021352394.1 50 116
51 2 5 115 162 275 4.30E-19 102.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000043212 6579 176.8 UdeM00000043212 XP_033754505.1 56.6 145
63 0 1 145 16 160 2.30E-41 176.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000043213 6579 154.5 UdeM00000043213 XP_033754505.1 57.7 123
52 0 3 125 38 160 1.00E-34 154.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000043214 6596 326.2 UdeM00000043214 XP_045192847.1 67.2 262
84 2 9 270 11 270 4.70E-86 326.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000044382 871585 139 UdeM00000044382 YP_004995567.1 35.2
247 157 3 11 256 7 251 8.20E-30 139 871585
cellular
organisms; Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales; Moraxellaceae; Acinetobacter; Acinetobacter calcoaceticus/baumannii complex; Acinetobacter pittii; Acinetobacter pittii PHEA-2

UdeM00000013763 6573 153.7 UdeM00000013763 XP_021350017.1 61 123
46 1 24 144 4 126 1.80E-34 153.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000013764 6596 196.1 UdeM00000013764 XP_045212202.1 59.9 172
68 1 1 171 226 397 4.20E-47 196.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000013765 110193 61.2 UdeM00000013765 XP_017777214.1 43.8
64 35 1 10 73 11 73 1.20E-06 61.2 110193
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Staphyliniformia; Staphylinioida; Silphidae; Nicrophorinae; Nicrophorus; Nicrophorus vespilloides

UdeM00000013766 400727 213.4 UdeM00000013766 XP_025080377.1 54.7
179 81 0 1 179 50 228 2.40E-52 213.4 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000013767 6596 1055.8 UdeM00000013767 XP_045214928.1 48.1
 1096 541 11 2 1085 846 1925 3.70E-305 1055.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013769 29159 241.9 UdeM00000013769 XP_034313809.1 24.3 980
 648 26 56 1014 53 959 4.30E-60 241.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013770 6579 138.3 UdeM00000013770 XP_033754748.1 42.8 145
 79 2 8 149 35 178 8.90E-30 138.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013771 6579 127.9 UdeM00000013771 XP_033754748.1 44.8 116
 61 1 1 113 63 178 9.30E-27 127.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013772 6573 221.1 UdeM00000013772 XP_021351855.1 49.8 269
 121 6 1 260 620 883 2.00E-54 221.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013773 6596 511.5 UdeM00000013773 XP_045213754.1 78 309
 67 1 1 309 674 981 1.10E-141 511.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013774 6596 308.9 UdeM00000013774 XP_045213754.1 82.3 175
 31 0 1 175 674 848 4.20E-81 308.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013775 6596 361.3 UdeM00000013775 XP_045213754.1 46.7 392
 188 10 1 382 283 663 1.60E-96 361.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013776 6596 405.6 UdeM00000013776 XP_045213754.1 52 383
 167 9 1 373 283 658 7.00E-110 405.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013777 6596 119 UdeM00000013777 XP_045213754.1 50.9 112
 48 1 3 107 157 268 1.40E-23 119 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013779 29159 306.6 UdeM00000013779 XP_034317111.1 54.8 283
127 1 2 283 171 453 3.30E-80 306.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013781 6573 112.8 UdeM00000013781 XP_021347433.1 52.9 102
48 0 1 102 640 741 4.30E-22 112.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013782 260615 248.4 UdeM00000013782 XP_039386738.1 80.5
169 15 1 1 151 347 515 5.70E-63 248.4 260615

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000013783 1735272 515.8 UdeM00000013783 XP_041365008.1 40.2
681 389 12 24 696 16 686 8.70E-143 515.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013784 6579 3114.3 UdeM00000013784 XP_033763482.1 45.7
3770 1836 45 45 3764 171 3779 0.00E+00 3114.3 6579

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013785 6565 168.7 UdeM00000013785 XP_022318171.1 70.5 112
33 0 1 112 55 166 4.40E-39 168.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000013786 29159 806.2 UdeM00000013786 XP_011455290.1 67.6 590
185 2 17 600 9 598 2.80E-230 806.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013787 6596 626.7 UdeM00000013787 XP_045214061.1 64 653
163 8 1 584 1 650 2.90E-176 626.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013789 6596 635.2 UdeM00000013789 XP_045214062.1 62.7 517
183 2 45 560 40 547 8.00E-179 635.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013788 6596 635.2 UdeM00000013788 XP_045214062.1 62.1 523
 188 2 45 566 40 553 8.80E-179 635.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013790 6596 382.9 UdeM00000013790 XP_045214059.1 61.7 303
 113 2 14 316 35 334 4.00E-103 382.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013791 6596 298.9 UdeM00000013791 XP_045214060.1 73.1 186
 50 0 1 186 1 186 4.50E-78 298.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013792 6579 513.8 UdeM00000013792 XP_033754031.1 51.9 495
 207 11 7 487 4 481 2.30E-142 513.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013793 6579 513.8 UdeM00000013793 XP_033754031.1 56.9 432
 162 9 46 466 63 481 2.20E-142 513.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013794 7574 704.5 UdeM00000013794 XP_013385952.1 83.5 436
 69 2 17 452 13 445 8.60E-200 704.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000013795 6573 381.7 UdeM00000013795 XP_021351087.1 54.7 338
 149 2 23 359 19 353 1.00E-102 381.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013796 6579 157.9 UdeM00000013796 XP_033743026.1 54.3 138
 60 1 1 138 219 353 9.50E-36 157.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013798 400727 120.2 UdeM00000013798 XP_025103888.1 59.1
 88 36 0 1 88 1 88 1.40E-24 120.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000013799 6596 90.9 UdeM00000013799 XP_045212005.1 51.5 103
 44 3 20 121 1045 1142 1.30E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013800 29159 216.1 UdeM00000013800 XP_034312908.1 28.2 649
342 20 9 564 6 623 1.20E-52 216.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013801 29159 1978 UdeM00000013801 XP_034311750.1 29.3 4721
2653 96 1 4176 703 5281 0.00E+00 1978 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013802 6596 248.4 UdeM00000013802 XP_045212003.1 28 669
444 17 1 654 1 646 2.50E-62 248.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013803 1735272 238.8 UdeM00000013803 XP_041359638.1 39.1
335 190 5 64 391 82 409 1.20E-59 238.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013804 1735272 230.3 UdeM00000013804 XP_041359638.1 38.9
324 184 5 3 319 93 409 3.40E-57 230.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013805 1735272 233 UdeM00000013805 XP_041379319.1 40.2
301 135 3 1 258 624 922 4.20E-58 233 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013806 1735272 142.1 UdeM00000013806 XP_041363347.1 26.6
305 217 3 67 371 30 327 1.40E-30 142.1 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013807 1735272 613.2 UdeM00000013807 XP_041364383.1 20.4
3152 1737 51 1 2433 1 3100 1.40E-171 613.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013808 29159 2493.4 UdeM00000013808 XP_034311750.1 30.2
5579 3313 111 1 5197 1 5380 0.00E+00 2493.4

29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013809 6596 1006.9 UdeM00000013809 XP_045210790.1 49.8
1311 523 27 1 1248 65 1303 2.20E-290 1006.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013810 6596 978.4 UdeM00000013810 XP_045210790.1 50.1 1272
499 27 1 1209 105 1303 8.30E-282 978.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013813 6596 352.4 UdeM00000013813 XP_045213170.1 56.6 535
202 9 1 506 11 544 9.30E-94 352.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013815 6596 346.3 UdeM00000013815 XP_045213172.1 45.4 527
247 21 1 510 12 514 6.70E-92 346.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013816 114398 344 UdeM00000013816 XP_042903861.1 38.7
489 289 6 1 485 1 482 3.20E-91 344 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000013817 7739 58.5 UdeM00000013817 XP_035677667.1 43.1 72
40 1 21 92 298 368 5.30E-06 58.5 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae

UdeM00000013818 7739 58.2 UdeM00000013818 XP_035677667.1 44.3 70
38 1 21 90 298 366 7.40E-06 58.2 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae

UdeM00000013820 586833 193.4 UdeM00000013820 XP_029920931.1 30.7
381 211 5 567 947 117 444 1.30E-45 193.4 586833
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Holocentrimorphaceae;Holocentriformes;Holocentr
idae;Myripristinae;Myripristis;Myripristis murdjan

UdeM00000013821 6596 800 UdeM00000013821 XP_045213613.1 81.8 462
 84 0 8 469 6 467 1.60E-228 800 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013823 6596 467.6 UdeM00000013823 XP_045213378.1 67.8 466
 135 6 1 462 1 455 1.80E-128 467.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013824 1735272 330.1 UdeM00000013824 XP_041363880.1 62
 276 100 3 1 273 1 274 2.70E-87 330.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013825 400727 329.7 UdeM00000013825 XP_025087959.1 65.9
 252 83 2 19 268 1 251 3.40E-87 329.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000013826 7054 468.8 UdeM00000013826 XP_031328250.1 49.4 470
 233 4 1 468 1 467 8.20E-129 468.8 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000013827 6596 325.9 UdeM00000013827 XP_045211318.1 46.3 441
 190 8 1 427 1 408 7.90E-86 325.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013828 6596 649.8 UdeM00000013828 XP_045171349.1 83.2 380
 62 1 1 380 1 378 2.10E-183 649.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013829 6596 1004.6 UdeM00000013829 XP_045213377.1 54.5
 972 405 12 3 952 2 958 8.50E-290 1004.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013830 6596 229.2 UdeM00000013830 XP_045213374.1 86.2 116
 16 0 24 139 660 775 3.30E-57 229.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013831 6596 844 UdeM00000013831 XP_045213368.1 84.3 483
 76 0 18 500 177 659 1.00E-241 844 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013832 6596 198.7 UdeM00000013832 XP_045213368.1 65.9 182
 56 5 1 180 1 178 6.10E-48 198.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013833 6579 124.4 UdeM00000013833 XP_033756770.1 74.4 86
 21 1 81 166 18 102 1.70E-25 124.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013837 6596 131.3 UdeM00000013837 XP_045212334.1 26.9 584
 336 19 38 581 32 564 4.00E-27 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013836 6596 147.9 UdeM00000013836 XP_045212334.1 26.2 781
 471 23 38 775 32 750 5.60E-32 147.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013838 6596 648.3 UdeM00000013838 XP_045213557.1 49.9 605
 297 3 30 628 28 632 1.00E-182 648.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013839 6596 562.4 UdeM00000013839 XP_045213560.1 57.3 450
 191 1 42 491 44 492 5.80E-157 562.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013840 6596 1172.1 UdeM00000013840 XP_045213557.1 51.5
 1056 505 4 5 1054 28 1082 0.00E+00 1172.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013841 6596 1141.7 UdeM00000013841 XP_045213557.1 51.7
 1021 486 4 47 1061 63 1082 0.00E+00 1141.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013842 6596 1142.1 UdeM00000013842 XP_045213557.1 51.7
1021 486 4 23 1037 63 1082 0.00E+00 1142.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013843 6573 150.6 UdeM00000013843 XP_021379569.1 61.8 110
42 0 8 117 2 111 1.60E-33 150.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013844 6573 144.4 UdeM00000013844 XP_021379570.1 59.2 120
46 1 4 120 2 121 9.30E-32 144.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013845 29159 127.9 UdeM00000013845 XP_011447088.2 67.8 90
29 0 23 112 28 117 8.30E-27 127.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013846 6573 89 UdeM00000013846 XP_021362152.1 56.2 64
28 0 4 67 53 116 2.70E-15 89 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013847 6565 60.1 UdeM00000013847 XP_022327049.1 40 70
40 1 57 124 3 72 2.50E-06 60.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000013849 6596 263.1 UdeM00000013849 XP_045212339.1 42.4 342
165 7 2 330 98 420 4.80E-67 263.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013850 6579 666.8 UdeM00000013850 XP_033755568.1 84.1 409
65 0 1 409 1 409 1.80E-188 666.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013851 6579 184.9 UdeM00000013851 XP_033736448.1 39.5 253
142 5 1 244 29 279 2.40E-43 184.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013852 29159 470.7 UdeM00000013852 XP_034311318.1 39.9 684
374 17 157 823 1 664 4.20E-129 470.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013853 400727 454.9 UdeM00000013853 XP_025078538.1 76.6
282 66 0 1 282 1 282 7.40E-125 454.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000013854 6596 178.3 UdeM00000013854 XP_045164125.1 69.9 123
37 0 1 123 169 291 6.00E-42 178.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013856 6596 548.9 UdeM00000013856 XP_045212981.1 63.7 421
148 3 3 421 5 422 5.60E-153 548.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013857 6579 79 UdeM00000013857 XP_033752672.1 34.3 198
100 9 406 590 610 790 5.60E-11 79 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013858 6596 1080.5 UdeM00000013858 XP_045212918.1 83.9
602 95 1 3 602 14 615 0.00E+00 1080.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013859 400727 273.1 UdeM00000013859 XP_025087756.1 63.8
301 82 4 6 297 28 310 4.20E-70 273.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000013860 225164 185.3 UdeM00000013860 XP_009060252.1 60.9
133 51 1 11 143 8 139 5.60E-44 185.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
Lottiidae;Lottia;Lottia gigantea

UdeM00000013861 6596 160.2 UdeM00000013861 XP_045212809.1 75.8 95
22 1 103 196 57 151 2.60E-36 160.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013862 1735272 158.7 UdeM00000013862 XP_041363010.1 75.6
90 22 0 64 153 77 166 6.00E-36 158.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013863 6573 389 UdeM00000013863 XP_021374435.1 64.4 419
143 3 183 596 212 629 1.10E-104 389 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013864 6596 270 UdeM00000013864 XP_045212799.1 74.5 322
80 2 184 503 202 523 6.40E-69 270 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013865 6573 87 UdeM00000013865 XP_021339362.1 47.6 82
43 0 110 191 270 351 2.90E-14 87 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013866 29159 320.1 UdeM00000013866 XP_011444637.2 70.4 223
63 2 1 221 1 222 2.30E-84 320.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013867 6573 455.7 UdeM00000013867 XP_021374436.1 61 364
142 0 56 419 53 416 6.70E-125 455.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013868 29159 932.2 UdeM00000013868 XP_034313437.1 71.2 712
166 9 3 692 4 698 4.00E-268 932.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013869 29159 896.3 UdeM00000013869 XP_034313437.1 71 690
161 9 12 679 26 698 2.40E-257 896.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013870 6565 282.3 UdeM00000013870 XP_022315961.1 39 587
256 18 1 574 671 1168 1.40E-72 282.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000013871 1232801 86.3 UdeM00000013871 XP_043215282.1 48.9
92 44 2 30 119 86 176 3.00E-14 86.3 1232801
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanid
ae;Amphibalanus;Amphibalanus amphitrite
UdeM00000013872 29159 189.1 UdeM00000013872 XP_011435569.2 46.9 211
108 3 31 240 68 275 6.50E-45 189.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013873 8022 73.9 UdeM00000013873 XP_036795370.1 43.5 85
48 0 7 91 351 435 2.10E-10 73.9 8022 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salm
oninae;Oncorhynchus;Oncorhynchus mykiss
UdeM00000013874 6596 1061.6 UdeM00000013874 XP_045213792.1 43.8
1742 768 55 28 1704 35 1630 1.00E-306 1061.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013876 6596 654.4 UdeM00000013876 XP_045211300.1 64.6 497
171 4 1 496 1 493 1.10E-184 654.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013877 6596 2329.3 UdeM00000013877 XP_045211558.1 57.5
2136 859 24 1 2119 1 2104 0.00E+00 2329.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013878 6596 439.9 UdeM00000013878 XP_045213184.1 82.4 255
45 0 46 300 17 271 2.60E-120 439.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013879 1735272 186.4 UdeM00000013879 XP_041362289.1 44.1
204 109 2 1 199 1 204 3.50E-44 186.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013880 6596 372.1 UdeM00000013880 XP_045213184.1 83.2 220
37 0 2 221 270 489 5.00E-100 372.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013881 6596 337.4 UdeM00000013881 XP_045213186.1 47.6 357
183 2 1 354 1 356 2.20E-89 337.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013882 6596 413.3 UdeM00000013882 XP_045213189.1 42.4 582
 254 13 1 508 1 575 4.70E-112 413.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013883 6596 225.3 UdeM00000013883 XP_045213187.1 51 243
 118 1 2 244 619 860 8.40E-56 225.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013884 6596 156.4 UdeM00000013884 XP_045213187.1 40.2 204
 116 3 1 204 860 1057 9.40E-35 156.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013885 29159 127.1 UdeM00000013885 XP_034314214.1 27.7 423
 254 14 1 384 1 410 5.20E-26 127.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013886 6596 259.2 UdeM00000013886 XP_045211538.1 26.3 767
 456 18 5 708 48 768 1.60E-65 259.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013888 6596 181.8 UdeM00000013888 XP_045193383.1 40.9 230
 134 1 6 233 50 279 1.00E-42 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013889 6596 129.8 UdeM00000013889 XP_045193383.1 32 231
 142 3 4 224 53 278 4.50E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013890 6596 213.4 UdeM00000013890 XP_045211538.1 29.2 415
 250 7 22 403 321 724 6.30E-52 213.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013891 6596 186.8 UdeM00000013891 XP_045193383.1 41.3 230
 133 1 6 233 50 279 3.20E-44 186.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013892 6596 74.3 UdeM00000013892 XP_045193380.1 33.3 159
 51 4 21 132 66 216 1.40E-10 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013893 6596 184.1 UdeM00000013893 XP_045211538.1 34.1 290
 178 4 1 284 513 795 2.60E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013894 6596 134.8 UdeM00000013894 XP_045193383.1 41 178
 103 1 3 178 102 279 1.10E-28 134.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013895 6596 129.8 UdeM00000013895 XP_045193383.1 32 231
 142 3 4 224 53 278 5.00E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013896 6596 162.9 UdeM00000013896 XP_045193383.1 37.6 237
 141 4 6 238 50 283 5.10E-37 162.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013897 29159 84.3 UdeM00000013897 XP_011440881.2 37 135
 85 0 12 146 25 159 1.90E-13 84.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013900 7668 66.2 UdeM00000013900 XP_030855118.1 41.8 91
 53 0 2 92 152 242 3.70E-08 66.2 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000013901 6573 78.6 UdeM00000013901 XP_021353820.1 41.5 123
 72 0 27 149 25 147 9.10E-12 78.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013902 29159 76.3 UdeM00000013902 XP_034313026.1 47.8 90
 46 1 30 119 8 96 3.10E-11 76.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013903 6579 77 UdeM00000013903 XP_033736138.1 37.5 144
 88 1 8 151 4 145 2.80E-11 77 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013904	1250792	60.8	UdeM00000013904	XP_041830825.1	57.1				
49	21	0	2	50	173	221	9.90E-07	60.8	1250792

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000013905	225164	306.6	UdeM00000013905	XP_009062152.1	75.7				
239	50	2	8	244	1	233	3.10E-80	306.6	225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000013906	29159	1106.7	UdeM00000013906	XP_011438173.1	83				
693	106	3	7	696	6	689	0.00E+00	1106.7	29159

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013907	29159	806.2	UdeM00000013907	XP_011438172.1	86.5	452			
61	0	18	469	263	714	2.20E-230	806.2	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013908	6565	84.7	UdeM00000013908	XP_022318500.1	76.1	46			
11	0	1	46	1	46	1.30E-13	84.7	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000013909	6565	217.2	UdeM00000013909	XP_022318499.1	69.4	134			
41	0	15	148	21	154	1.70E-53	217.2	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000013910	6596	488.4	UdeM00000013910	XP_045211591.1	74.3	327			
77	1	220	539	243	569	1.20E-134	488.4	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013911	6596	500	UdeM00000013911	XP_045211591.1	75.8	327			
72	1	220	539	243	569	3.80E-138	500	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013912	6596	553.5	UdeM00000013912	XP_045211651.1	74.2	360			
93	0	11	370	161	520	2.10E-154	553.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013913 6596 547 UdeM00000013913 XP_045211651.1 73.9 360
 93 1 11 369 161 520 1.90E-152 547 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013914 6596 272.3 UdeM00000013914 XP_045211651.1 83.5 158
 26 0 1 158 1 158 3.90E-70 272.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013915 6596 480.7 UdeM00000013915 XP_045211648.1 49.3 621
 287 8 31 626 65 682 3.10E-132 480.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013916 6596 211.1 UdeM00000013916 XP_045211108.1 59.5 205
 81 1 103 307 103 305 2.10E-51 211.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013917 6596 161 UdeM00000013917 XP_045211644.1 46.4 194
 96 3 1 188 1 192 2.60E-36 161 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013918 6596 596.3 UdeM00000013918 XP_045214442.1 48.8 559
 284 1 1 557 3 561 4.20E-167 596.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013919 400727 365.5 UdeM00000013919 XP_025089656.1 58.3
 300 113 1 11 310 322 609 6.70E-98 365.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000013920 6596 555.4 UdeM00000013920 XP_045214857.1 53.1 531
 226 7 26 549 13 527 7.90E-155 555.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013921 6596 817.8 UdeM00000013921 XP_045212843.1 45.6 950
 355 7 1 796 1 942 1.20E-233 817.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013922 6579 655.2 UdeM00000013922 XP_033755626.1 53.4 734
 302 14 5 729 4 706 9.70E-185 655.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013923 6596 129.8 UdeM00000013923 XP_045212838.1 45.4 174
 82 4 1 172 234 396 4.90E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013924 6596 1310 UdeM00000013924 XP_045212836.1 53.6 1165
 515 9 83 1243 91 1234 0.00E+00 1310 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013929 6596 326.6 UdeM00000013929 XP_045212391.1 34.2 719
 388 16 28 731 77 725 8.40E-86 326.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013930 1735272 495 UdeM00000013930 XP_041364156.1 53.2
 472 213 3 1 469 54 520 1.10E-136 495 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013931 6579 649 UdeM00000013931 XP_033742145.1 61.8 453
 171 2 9 461 8 458 4.40E-183 649 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013932 6579 581.3 UdeM00000013932 XP_033742145.1 57 453
 157 3 9 425 8 458 1.00E-162 581.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013933 6579 654.8 UdeM00000013933 XP_033742145.1 62.5 453
 168 2 9 461 8 458 8.00E-185 654.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013934 6579 637.1 UdeM00000013934 XP_033742145.1 59.9 454
 180 2 8 461 7 458 1.70E-179 637.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013935 6579 223 UdeM00000013935 XP_033742172.1 55.7 174
 76 1 1 174 286 458 3.00E-55 223 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013936 6596 1042.7 UdeM00000013936 XP_045212850.1 86.4
597 79 2 1 595 1 597 1.80E-301 1042.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013937 6596 855.9 UdeM00000013937 XP_045211045.1 60.2 861
285 16 1 827 177 1013 4.20E-245 855.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013938 6596 804.7 UdeM00000013938 XP_045214415.1 34.7 1451
745 32 1 1303 1 1396 1.90E-229 804.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013939 6579 675.2 UdeM00000013939 XP_033742145.1 65 451
151 3 8 451 8 458 5.60E-191 675.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013940 6573 810.4 UdeM00000013940 XP_021348679.1 71.8 515
142 2 1 514 1 513 1.30E-231 810.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013941 6596 154.1 UdeM00000013941 XP_045213601.1 51 157
73 1 1 157 1 153 1.60E-34 154.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013942 29159 189.5 UdeM00000013942 XP_011436622.2 63.1 141
52 0 5 145 165 305 3.00E-45 189.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013943 6596 2325.1 UdeM00000013943 XP_045213473.1 60.4
1941 700 12 35 1931 2262 4177 0.00E+00 2325.1 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013944 6596 639 UdeM00000013944 XP_045213473.1 63.6 506
178 4 35 537 2262 2764 5.30E-180 639 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013945 6596 249.2 UdeM00000013945 XP_045213473.1 64.7 170
60 0 1 170 2098 2267 3.70E-63 249.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013946 6596 586.6 UdeM00000013946 XP_045213473.1 53.1 565
258 4 8 570 1362 1921 3.30E-164 586.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013947 6596 1710.7 UdeM00000013947 XP_045213473.1 62.9
1361 479 9 1 1351 1 1345 0.00E+00 1710.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013948 1735272 510 UdeM00000013948 XP_041363826.1 51.4
543 223 11 1 538 1 507 3.80E-141 510 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013949 7739 331.6 UdeM00000013949 XP_035695457.1 68 244
78 0 1 244 1 244 8.20E-88 331.6 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000013951 6596 439.9 UdeM00000013951 XP_045176367.1 37.1 682
352 11 4 615 34 708 5.40E-120 439.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013953 225164 125.2 UdeM00000013953 XP_009062094.1 65.3
101 31 1 3 103 231 327 5.40E-26 125.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000013954 6596 615.9 UdeM00000013954 XP_045211858.1 90.3 318
31 0 1 318 1 318 2.80E-173 615.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013955 400727 646.7 UdeM00000013955 XP_025095840.1 97.1
308 9 0 3 310 2 309 1.50E-182 646.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000013956 6565 89.4 UdeM00000013956 XP_022334997.1 44.7 103
54 2 7 106 76 178 5.80E-15 89.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000013957 6596 392.9 UdeM00000013957 XP_045213917.1 43.9 503
253 9 1 487 1 490 6.00E-106 392.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000013958 6579 61.2 UdeM00000013958 XP_033744278.1 43.5 62
35 0 1 62 759 820 8.50E-07 61.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000013959 6596 426 UdeM00000013959 XP_045213917.1 46.2 500
243 8 26 510 25 513 6.70E-116 426 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000013960 6596 427.9 UdeM00000013960 XP_045213917.1 46.5 499
241 8 26 508 25 513 1.80E-116 427.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000013961 6596 298.1 UdeM00000013961 XP_045212466.1 51.7 354
148 4 1 342 1 343 1.60E-77 298.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000013963 6579 268.5 UdeM00000013963 XP_033755373.1 51 367
149 9 1 351 16 367 1.30E-68 268.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000013964 6579 224.2 UdeM00000013964 XP_033755373.1 46 367
148 10 1 332 16 367 2.60E-55 224.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000013965 6596 105.9 UdeM00000013965 XP_045213389.1 32.7 202
124 5 142 340 280 472 2.10E-19 105.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000013966 6596 105.9 UdeM00000013966 XP_045213389.1 32.7 202
124 5 142 340 280 472 2.20E-19 105.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013967 6596 106.3 UdeM00000013967 XP_045213389.1 31.6 206
123 5 172 371 280 473 1.70E-19 106.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013968 6596 114.8 UdeM00000013968 XP_045213389.1 33.7 205
118 5 176 374 280 472 4.70E-22 114.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013969 6579 487.6 UdeM00000013969 XP_033737399.1 47.6 542
224 3 1 490 4 537 1.80E-134 487.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013970 6596 88.2 UdeM00000013970 XP_045213901.1 61.5 65
25 0 7 71 376 440 5.20E-15 88.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013971 225164 75.9 UdeM00000013971 XP_009063534.1 71.4
49 13 1 7 55 329 376 2.20E-11 75.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000013972 29159 80.9 UdeM00000013972 XP_034307341.1 35 143
67 2 2 124 48 184 1.30E-12 80.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013973 29159 93.6 UdeM00000013973 XP_034307341.1 40.9 110
55 1 9 108 230 339 3.40E-16 93.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013974 6596 636.7 UdeM00000013974 XP_045213901.1 93.1 335
19 2 1 331 44 378 1.70E-179 636.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013975 6573 102.1 UdeM00000013975 XP_021346744.1 55.4 83
35 1 54 136 1 81 6.00E-19 102.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013976 6596 393.7 UdeM00000013976 XP_045213908.1 37.7 660
 324 8 67 704 50 644 5.10E-106 393.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013977 6596 263.1 UdeM00000013977 XP_045213903.1 34.8 541
 268 7 1 519 202 679 7.70E-67 263.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013978 6596 711.4 UdeM00000013978 XP_045213910.1 72.7 455
 123 1 273 726 3 457 1.10E-201 711.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013979 6596 270 UdeM00000013979 XP_045213911.1 39.4 612
 268 20 1 570 1 551 6.80E-69 270 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013980 6596 619.8 UdeM00000013980 XP_045213912.1 69.8 443
 116 4 8 433 552 993 2.70E-174 619.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013981 6596 485.7 UdeM00000013981 XP_045213912.1 66.1 369
 107 4 1 352 626 993 5.00E-134 485.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013985 7574 140.6 UdeM00000013985 XP_013380173.1 77.4 84
 19 0 3 86 433 516 3.80E-30 140.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000013982 6596 765.4 UdeM00000013982 XP_045214081.1 76 526
 106 2 1 515 1 517 7.50E-218 765.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013983 6596 765.4 UdeM00000013983 XP_045214081.1 76 526
 106 2 1 515 1 517 7.20E-218 765.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013984 6596 703 UdeM00000013984 XP_045214081.1 59.3 675
 106 3 1 664 1 517 5.10E-199 703 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013986 6596 269.2 UdeM00000013986 XP_045214082.1 59.1 208
 85 0 62 269 24 231 5.50E-69 269.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013987 6596 752.3 UdeM00000013987 XP_045214081.1 75 523
 114 2 1 512 1 517 5.70E-214 752.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013988 29159 607.1 UdeM00000013988 XP_034312670.1 59.2 547
 212 5 1 542 1 541 3.60E-170 607.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013989 8355 110.9 UdeM00000013989 XP_018105792.1 51.7 116
 55 1 5 120 508 622 1.10E-21 110.9 8355 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoide
 a;Pipidae;Xenopodinae;Xenopus;Xenopus;Xenopus laevis
 UdeM00000013990 6596 399.1 UdeM00000013990 XP_045214086.1 64.2 318
 112 1 1 316 4 321 5.90E-108 399.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013991 6565 688.7 UdeM00000013991 XP_022317112.1 69.3 475
 143 3 1 474 1 473 5.40E-195 688.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013993 6596 429.5 UdeM00000013993 XP_045212218.1 74.6 284
 69 2 1 283 265 546 3.40E-117 429.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013992 6596 763.5 UdeM00000013992 XP_045212222.1 69.7 545
 161 3 1 544 1 542 1.90E-217 763.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013994 6596 315.8 UdeM00000013994 XP_045212222.1 64.6 237
 84 0 1 237 1 237 4.50E-83 315.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013995 6596 802.4 UdeM00000013995 XP_045212214.1 56.5 830
226 15 8 719 82 894 4.80E-229 802.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013997 6596 495 UdeM00000013997 XP_045211668.1 53.5 1120
389 35 498 1535 279 1348 3.70E-136 495 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013998 6500 302.8 UdeM00000013998 XP_005104344.1 62.1 219
83 0 18 236 11 229 4.00E-79 302.8 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000014000 6596 191 UdeM00000014000 XP_045211673.1 80.3 117
21 1 1 115 1 117 8.30E-46 191 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013999 6596 715.7 UdeM00000013999 XP_045211673.1 84.7 426
62 2 1 424 1 425 3.50E-203 715.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014001 1735272 1622.4 UdeM00000014001 XP_041363356.1
45.3 1896 988 25 25 1894 33 1905 0.00E+00 1622.4
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036460 6565 152.9 UdeM00000036460 XP_022339895.1 21.3 723
464 27 551 1198 832 1524 2.90E-33 152.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036461 6596 521.5 UdeM00000036461 XP_045188897.1 79.6 319
64 1 1 319 1 318 7.50E-145 521.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036480 6596 183.7 UdeM00000036480 XP_045190309.1 27.6 573
264 12 53 619 3 430 7.00E-43 183.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036481 6573 353.6 UdeM00000036481 XP_021340995.1 42.3 513
236 15 236 715 195 680 5.90E-94 353.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036482 6596 1488.4 UdeM00000036482 XP_045190399.1 62
1322 456 14 1 1305 1 1293 0.00E+00 1488.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036483 6565 146.4 UdeM00000036483 XP_022326943.1 33.8 305
133 10 13 277 8 283 6.10E-32 146.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036484 225164 665.6 UdeM00000036484 XP_009051112.1 64.2
481 163 2 4 479 6 482 4.80E-188 665.6 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000036485 13686 483.8 UdeM00000036485 XP_011170408.3 37.8 765
424 14 79 801 122 876 4.20E-133 483.8 13686 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsis invicta

UdeM00000036486 6596 167.5 UdeM00000036486 XP_045189629.1 38.2 233
119 7 1 218 1 223 1.80E-38 167.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036487 1735272 144.4 UdeM00000036487 XP_041369137.1 47.6
170 74 4 2 171 985 1139 5.20E-31 144.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036489 29159 416.4 UdeM00000036489 XP_011415861.2 62.9 321
105 2 1 307 13 333 3.20E-113 416.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036490 29159 77.4 UdeM00000036490 XP_011415861.2 40.8 125
60 2 1 111 13 137 1.30E-11 77.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036491 6596 762.7 UdeM00000036491 XP_045189095.1 66.8 590
 191 4 6 590 2 591 3.90E-217 762.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036492 6596 357.1 UdeM00000036492 XP_045189095.1 69.7 251
 73 2 6 253 2 252 1.90E-95 357.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036493 1735272 359.8 UdeM00000036493 XP_041369969.1 76.8
 224 50 2 1 222 1 224 2.60E-96 359.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000036494 6500 398.3 UdeM00000036494 XP_005099446.1 68.8 276
 84 1 2 275 43 318 8.10E-108 398.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000036497 37653 116.3 UdeM00000036497 XP_014769340.1 67.8 87
 28 0 2 88 13 99 2.00E-23 116.3 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000036498 6596 375.2 UdeM00000036498 XP_045190639.1 28.6 920
 580 22 66 953 74 948 2.60E-100 375.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036499 6596 385.6 UdeM00000036499 XP_045190639.1 29.6 927
 576 22 71 965 74 955 2.00E-103 385.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036500 6596 385.6 UdeM00000036500 XP_045190639.1 29.6 927
 576 22 66 960 74 955 1.90E-103 385.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036501 6596 136.7 UdeM00000036501 XP_045156460.1 27.2 312
 203 11 90 387 31 332 6.60E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036503 6596 308.1 UdeM00000036503 XP_045190639.1 28.8 777
 493 20 4 761 213 948 3.30E-80 308.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036504 6596 453 UdeM00000036504 XP_045189313.1 71.9 288
81 0 1 288 1 288 2.90E-124 453 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036505 6596 287.3 UdeM00000036505 XP_045189020.1 43.2 400
164 7 11 349 41 438 2.60E-74 287.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036506 6596 805.8 UdeM00000036506 XP_045189309.1 76.6 516
119 1 2 517 19 532 3.10E-230 805.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036507 6596 307.8 UdeM00000036507 XP_045189020.1 43.5 444
209 7 7 450 37 438 2.40E-80 307.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036508 6596 285 UdeM00000036508 XP_045189020.1 39.7 459
225 6 10 468 40 446 1.70E-73 285 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036509 6596 213 UdeM00000036509 XP_045189020.1 36.3 416
229 7 11 400 41 446 7.10E-52 213 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036510 6596 314.7 UdeM00000036510 XP_045189020.1 45.5 400
209 4 8 400 38 435 1.70E-82 314.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036511 6596 268.5 UdeM00000036511 XP_045191091.1 39.5 418
226 6 15 407 2 417 1.50E-68 268.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036512 6596 256.9 UdeM00000036512 XP_045191091.1 39.1 422
220 8 6 401 3 413 4.40E-65 256.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036513 6573 356.7 UdeM00000036513 XP_021348618.1 43.9 715
318 16 1 645 1 702 6.30E-95 356.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036515 6579 117.1 UdeM00000036515 XP_033757678.1 45.4 141
67 4 56 187 434 573 2.40E-23 117.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036517 6565 158.7 UdeM00000036517 XP_022328252.1 45.5 211
95 6 1 191 1105 1315 7.50E-36 158.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036518 6579 266.9 UdeM00000036518 XP_033744278.1 46.3 283
106 2 1 237 726 1008 3.00E-68 266.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036519 6596 100.9 UdeM00000036519 XP_045190064.1 41.6 125
70 1 26 147 28 152 1.40E-18 100.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036520 6573 152.5 UdeM00000036520 XP_021355607.1 39.9 228
107 7 7 218 11 224 1.70E-33 152.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036521 6573 156 UdeM00000036521 XP_021355607.1 50.7 152
63 3 7 146 11 162 1.70E-34 156 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036522 6596 473.4 UdeM00000036522 XP_045188675.1 52.7 548
204 9 2 518 10 533 3.70E-130 473.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036526 6596 575.1 UdeM00000036526 XP_045188637.1 43.1 788
350 17 2 765 174 887 1.60E-160 575.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036527 6596 516.5 UdeM00000036527 XP_045190324.1 60.6 442
168 5 13 451 56 494 3.30E-143 516.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036528 6596 362.5 UdeM00000036528 XP_045190322.1 44.4 480
188 7 33 454 1110 1568 1.80E-96 362.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036528 6596 84 UdeM00000036528 XP_045190322.1 36 114
67 2 916 1026 1687 1797 1.30E-12 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036529 6596 109.8 UdeM00000036529 XP_045190322.1 27.7 506
271 15 1 440 605 1081 1.10E-20 109.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036530 6596 536.2 UdeM00000036530 XP_045190322.1 59.4 488
193 3 7 492 120 604 4.40E-149 536.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036531 6579 394.4 UdeM00000036531 XP_033731739.1 61.8 280
107 0 1 280 99 378 1.20E-106 394.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036532 6596 254.2 UdeM00000036532 XP_045188280.1 28.8 1324
683 52 16 1223 5 1184 8.60E-64 254.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036533 6573 337 UdeM00000036533 XP_021376241.1 36.8 693
356 13 193 832 1379 2042 6.60E-89 337 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036534 6596 250.8 UdeM00000036534 XP_045190910.1 40.7 354
198 10 45 392 21 368 3.00E-63 250.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036535 400727 202.2 UdeM00000036535 XP_025094113.1 48.1
210 94 5 298 493 81 289 1.60E-48 202.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000036536 6596 721.5 UdeM00000036536 XP_045189687.1 81.4 440
82 0 1 440 1 440 8.50E-205 721.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036537 70779 82.8 UdeM00000036537 XP_015777172.1 38.7 93
57 0 25 117 45 137 3.50E-13 82.8 70779 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera
UdeM00000036538 29159 114.8 UdeM00000036538 XP_011435523.1 25.9 424
222 12 1 402 1 354 2.60E-22 114.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000036539 6596 119.4 UdeM00000036539 XP_045190845.1 34.3 210
131 4 15 221 27 232 5.90E-24 119.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036540 6579 664.8 UdeM00000036540 XP_033756632.1 56.5 582
245 3 4 577 298 879 1.00E-187 664.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036542 6573 178.7 UdeM00000036542 XP_021376286.1 54.8 146
66 0 1 146 273 418 5.50E-42 178.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000036541 6573 224.6 UdeM00000036541 XP_021376286.1 52.1 190
91 0 1 190 229 418 1.10E-55 224.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000036544 29159 208.4 UdeM00000036544 XP_011443521.2 52.1 167
78 2 4 170 57 221 7.40E-51 208.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000036546 2652724 95.9 UdeM00000036546 XP_020896433.1 29.7
192 121 3 18 196 73 263 6.40E-17 95.9 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000036547 6565 603.6 UdeM00000036547 XP_022341509.1 41.1 975
415 13 3 963 5 834 4.40E-169 603.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036548 6565 313.5 UdeM00000036548 XP_022341509.1 35.9 579
 259 7 3 578 5 474 5.60E-82 313.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036549 6596 264.2 UdeM00000036549 XP_045189776.1 38.6 396
 221 8 13 405 8 384 3.00E-67 264.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036563 1735272 526.6 UdeM00000036563 XP_041371151.1 51.3
 857 264 12 1 854 1 707 6.40E-146 526.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000036564 225164 64.3 UdeM00000036564 XP_009066276.1 39.6
 96 50 4 87 178 678 769 1.80E-07 64.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000036565 225164 231.5 UdeM00000036565 XP_009066276.1 68.3
 417 126 3 37 453 813 1223 2.10E-57 231.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000036567 6596 233 UdeM00000036567 XP_045190087.1 40.8 392
 205 9 26 405 25 401 6.60E-58 233 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036568 6573 617.8 UdeM00000036568 XP_021375984.1 72.2 449
 116 3 15 459 383 826 1.10E-173 617.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036569 6573 375.9 UdeM00000036569 XP_021374995.1 39.7 587
 279 14 1 558 1 541 8.70E-101 375.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036570 6596 117.9 UdeM00000036570 XP_045187536.1 69.6 79
 24 0 24 102 646 724 7.80E-24 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036571 6596 524.6 UdeM00000036571 XP_045190375.1 74.6 323
 78 2 1 320 1 322 8.90E-146 524.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036572 6596 376.7 UdeM00000036572 XP_045188843.1 38.7 702
333 18 1 698 1 609 6.30E-101 376.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036573 6596 111.3 UdeM00000036573 XP_045189847.1 46.8 156
62 7 13 157 14 159 1.90E-21 111.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036574 6596 359 UdeM00000036574 XP_045188665.1 47.7 417
202 6 163 572 53 460 1.10E-95 359 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036575 6596 300.1 UdeM00000036575 XP_045188430.1 40.6 384
217 8 16 392 40 419 5.40E-78 300.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036576 6596 476.5 UdeM00000036576 XP_045188548.1 33.6 1107
545 26 2 972 13 1065 8.20E-131 476.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036578 6596 292 UdeM00000036578 XP_045182027.1 40.2 368
204 6 14 373 98 457 1.20E-75 292 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036579 6596 1263.4 UdeM00000036579 XP_045189353.1 78.3
824 176 3 1 823 1 822 0.00E+00 1263.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036580 6579 570.9 UdeM00000036580 XP_033757697.1 50.4 566
250 6 60 598 20 581 2.00E-159 570.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036581 400727 83.6 UdeM00000036581 XP_025093833.1 56
159 60 2 1 159 1 149 2.50E-13 83.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000036582 6596 181 UdeM00000036582 XP_045189393.1 42.9 205
115 2 1 205 23 225 1.80E-42 181 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036583 6596 409.8 UdeM00000036583 XP_045189391.1 56.7 402
78 2 1 308 17 416 4.90E-111 409.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036584 6596 750.4 UdeM00000036584 XP_045189792.1 84.1 428
66 1 1 426 32 459 1.30E-213 750.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044354 157072 611.3 UdeM00000044354 XP_008878993.1 70.8
448 129 1 4 451 33 478 1.00E-171 611.3 157072
cellular

organisms;Eukaryota;Sar;Stramenopiles;Oomycota;Saprolegniales;Saprolegniaceae;Aphanomyces;Aphanomyces invadans

UdeM00000044355 69820 261.5 UdeM00000044355 XP_022836958.1 39.7 375
214 8 137 503 5 375 2.40E-66 261.5 69820 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;Noctuidae;Amphipyridae;Spodoptera;Spodoptera litura

UdeM00000044356 1125630 546.6 UdeM00000044356 YP_005228207.1 54.2
496 217 3 1 486 30 525 3.20E-152 546.6 1125630
cellular

organisms;Bacteria;Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae;Klebsiella;Klebsiella pneumoniae;Klebsiella pneumoniae subsp. pneumoniae;Klebsiella pneumoniae subsp. pneumoniae HS11286

UdeM00000044353 225164 172.6 UdeM00000044353 XP_009054793.1 32.4
339 203 7 21 352 126 445 9.60E-40 172.6 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000037759 37621 428.3 UdeM00000037759 XP_014679849.1 39.5 621
153 3 1 398 3 623 1.10E-116 428.3 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000037760 37621 268.5 UdeM00000037760 XP_014679850.1 54.3 256
107 3 1 248 1 254 8.80E-69 268.5 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000037762 6596 479.2 UdeM00000037762 XP_045164298.1 71.5 326
81 5 1 318 1 322 4.10E-132 479.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000037763 6596 530.8 UdeM00000037763 XP_045165400.1 45.9 706
307 18 1 689 1 648 2.60E-147 530.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000037764 6565 584.3 UdeM00000037764 XP_022298098.1 80 350
69 1 1 350 1 349 1.00E-163 584.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000037765 6596 573.9 UdeM00000037765 XP_045164448.1 77.8 360
79 1 1 359 1 360 1.40E-160 573.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000037766 1735272 62.8 UdeM00000037766 XP_041360711.1 32.7
98 65 1 1 97 1 98 6.20E-07 62.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000037768 6596 232.6 UdeM00000037768 XP_045166184.1 34.3 656
357 22 1 612 35 660 2.10E-57 232.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000037767 6596 239.2 UdeM00000037767 XP_045166184.1 34.1 687
377 23 2 642 4 660 2.40E-59 239.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000037769 29159 299.7 UdeM00000037769 XP_034322429.1 40.9 399
199 4 4 371 1 393 5.50E-78 299.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000037770 29159 282.3 UdeM00000037770 XP_034322429.1 38.9 409
202 4 4 380 1 393 9.30E-73 282.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000037772 46731 105.9 UdeM00000037772 XP_027036472.1 30.8 198
 126 5 16 205 125 319 2.00E-19 105.9 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000037773 6105 226.9 UdeM00000037773 XP_031572248.1 30.5 502
 307 12 24 496 18 506 9.50E-56 226.9 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000037774 6105 142.9 UdeM00000037774 XP_031572248.1 33 264
 152 6 24 270 18 273 6.10E-31 142.9 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000037775 6596 391.3 UdeM00000037775 XP_045166622.1 58.9 333
 128 3 1 332 1 325 1.40E-105 391.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037776 6596 397.9 UdeM00000037776 XP_045166622.1 60.1 326
 128 2 1 325 1 325 1.50E-107 397.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037777 29159 164.5 UdeM00000037777 XP_034308606.1 37.7 236
 136 2 6 230 623 858 1.60E-37 164.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037779 6573 646 UdeM00000037779 XP_021346977.1 40.7 926
 503 22 4 908 79 979 9.20E-182 646 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037780 6579 685.6 UdeM00000037780 XP_033746774.1 38.5 1041
 589 22 8 1027 8 1018 1.10E-193 685.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037781 6596 663.3 UdeM00000037781 XP_045166890.1 34.7 1284
 732 35 5 1242 256 1479 6.00E-187 663.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037784 6596 662.5 UdeM00000037784 XP_045166535.1 42.5 856
 440 11 502 1319 184 1025 1.10E-186 662.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037785 6596 416 UdeM00000037785 XP_045166538.1 57.7 350
 148 0 8 357 10 359 4.90E-113 416 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037786 400727 313.5 UdeM00000037786 XP_025108563.1 55.3
253 112 1 5 257 10 261 2.50E-82 313.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000037787 6596 114 UdeM00000037787 XP_045166236.1 37.2 339
165 13 29 352 28 333 5.10E-22 114 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037788 6596 366.7 UdeM00000037788 XP_045166647.1 66.8 241
78 1 623 861 1 241 8.10E-98 366.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037789 6596 468.8 UdeM00000037789 XP_045166647.1 53 549
202 27 667 1186 891 1412 2.10E-128 468.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037789 6596 86.7 UdeM00000037789 XP_045166647.1 52 75
32 1 53 127 242 312 2.20E-13 86.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037790 1735272 196.1 UdeM00000037790 XP_041349776.1 56.7
164 69 1 4 165 5 168 5.20E-47 196.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037791 6596 137.5 UdeM00000037791 XP_045165493.1 51.1 133
61 2 14 145 126 255 1.40E-29 137.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037792 6596 89.4 UdeM00000037792 XP_045211864.1 33.9 115
76 0 32 146 33 147 5.50E-15 89.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037793 29159 359.8 UdeM00000037793 XP_011434531.2 55.7 327
138 5 4 324 5 330 3.70E-96 359.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037794 6565 358.6 UdeM00000037794 XP_022296552.1 55 327
140 5 4 324 5 330 8.30E-96 358.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037795 29159 363.6 UdeM00000037795 XP_011439669.2 53.9 323
147 2 4 324 5 327 2.60E-97 363.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037796 6596 171 UdeM00000037796 XP_045164207.1 86.5 96
13 0 1 96 1 96 7.30E-40 171 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000037797 1735272 367.1 UdeM00000037797 XP_041347548.1 68.2
258 81 1 26 282 33 290 2.00E-98 367.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037798 1735272 70.9 UdeM00000037798 XP_041371188.1 37.5
104 57 4 9 107 5 105 1.20E-09 70.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037799 6573 70.1 UdeM00000037799 XP_021347926.1 32.7 107
66 2 6 108 5 109 2.10E-09 70.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037800 6596 304.3 UdeM00000037800 XP_045165186.1 58.1 270
81 6 1 241 1 267 1.40E-79 304.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000037801 6596 247.3 UdeM00000037801 XP_045165186.1 46 265
108 5 1 230 1 265 2.00E-62 247.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000037802 6596 432.6 UdeM00000037802 XP_045171158.1 59.7 345
130 4 1 336 1 345 4.90E-118 432.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000037803 8078 381.7 UdeM00000037803 XP_035996634.1 48.3 377
 192 3 6 379 15 391 1.10E-102 381.7 8078 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus
 heteroclitus

UdeM00000037804 6596 513.8 UdeM00000037804 XP_045166762.1 79.1 297
 62 0 1 297 1 297 1.40E-142 513.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037805 37653 302.4 UdeM00000037805 XP_014789676.1 91.1 168
 15 0 1 168 1 168 3.70E-79 302.4 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000037806 6596 674.9 UdeM00000037806 XP_045164554.1 49.3 691
 342 3 17 699 19 709 1.30E-190 674.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037807 6579 490 UdeM00000037807 XP_033746759.1 65.6 343
 115 2 1 340 1 343 2.50E-135 490 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037808 29159 164.1 UdeM00000037808 XP_011439460.2 27.4 475
 293 14 24 481 12 451 4.50E-37 164.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037809 6596 451.4 UdeM00000037809 XP_045164554.1 42 526
 300 2 51 575 21 542 1.70E-123 451.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037811 29159 79 UdeM00000037811 XP_034299474.1 38.5 91
 54 1 1 91 415 503 5.40E-12 79 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037812 6565 82.4 UdeM00000037812 XP_022322655.1 53.4 73
 33 1 8 79 339 411 3.90E-13 82.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037813 6565 67 UdeM00000037813 XP_022322655.1 40.6 106
 49 5 7 108 1 96 1.90E-08 67 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037814 6596 462.6 UdeM00000037814 XP_045164554.1 36.7 723
441 6 35 746 19 735 1.00E-126 462.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037815 6596 996.5 UdeM00000037815 XP_045165558.1 59.5 982
298 22 6 953 432 1347 2.60E-287 996.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037817 6596 287.3 UdeM00000037817 XP_045165551.1 67.6 207
62 2 1 203 1 206 1.50E-74 287.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037819 6573 998 UdeM00000037819 XP_021356928.1 57.8 839
346 7 9 842 291 1126 7.00E-288 998 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037820 6579 208.4 UdeM00000037820 XP_033744976.1 40.8 265
142 5 1 251 1 264 1.10E-50 208.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037821 8496 95.1 UdeM00000037821 XP_014461102.1 39 123
71 3 7 126 231 352 7.30E-17 95.1 8496 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Crocodylia;Alligatoridae;Alligatorinae;Alligator;Alligator mississippiensis
UdeM00000037822 6596 695.7 UdeM00000037822 XP_045166672.1 75.8 487
74 1 1 443 1 487 3.90E-197 695.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037824 6579 162.9 UdeM00000037824 XP_033745670.1 59.1 154
62 1 1 154 1 153 3.30E-37 162.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037823 2607531 403.7 UdeM00000037823 XP_029635246.1 44.9
857 436 9 1 853 1 825 6.60E-109 403.7 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000037825 6579 249.6 UdeM00000037825 XP_033739209.1 49.6 258
114 2 9 261 2 248 4.40E-63 249.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037826 6596 101.3 UdeM00000037826 XP_045188277.1 29.7 202
130 4 2 201 79 270 3.10E-18 101.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037827 6573 344 UdeM00000037827 XP_021346496.1 40.8 458
248 7 203 657 27 464 4.90E-91 344 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037827 6573 57.4 UdeM00000037827 XP_021346496.1 35.8 67
43 0 673 739 625 691 9.10E-05 57.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037829 400727 642.5 UdeM00000037829 XP_025106656.1 83.5
369 61 0 1 369 1 369 3.30E-181 642.5 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000037830 6565 318.9 UdeM00000037830 XP_022299292.1 66.7 273
78 4 1 263 373 642 5.90E-84 318.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037832 29159 90.1 UdeM00000037832 XP_034318858.1 42.6 94
52 2 1 93 255 347 1.60E-15 90.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037833 6596 1325.8 UdeM00000037833 XP_045167023.1 40.6
1568 855 13 76 1574 167 1726 0.00E+00 1325.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037834 6596 1320.8 UdeM00000037834 XP_045167023.1 40.8
1568 852 13 76 1574 167 1726 0.00E+00 1320.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037835 6596 725.3 UdeM00000037835 XP_045167019.1 39.6 895
 492 11 75 948 207 1073 1.00E-205 725.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037837 6596 224.2 UdeM00000037837 XP_045166921.1 35.5 304
 165 3 26 299 37 339 2.30E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037838 6596 224.6 UdeM00000037838 XP_045166921.1 35.5 304
 166 3 26 300 37 339 1.80E-55 224.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037839 6596 189.9 UdeM00000037839 XP_045167019.1 47.4 173
 90 1 42 214 673 844 3.40E-45 189.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037840 8364 65.9 UdeM00000037840 XP_031759770.1 50 56
 25 1 7 59 1808 1863 5.60E-08 65.9 8364 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoide
 a;Pipidae;Xenopodinae;Xenopus;Silurana;Xenopus tropicalis

UdeM00000037841 7574 107.8 UdeM00000037841 XP_023932361.1 41.9 136
 75 3 42 173 908 1043 2.20E-20 107.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000037842 6596 285.8 UdeM00000037842 XP_045171816.1 42.9 333
 186 4 44 375 107 436 7.90E-74 285.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037843 6596 283.1 UdeM00000037843 XP_045212093.1 44.3 323
 166 6 4 320 106 420 4.40E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037844 6596 283.1 UdeM00000037844 XP_045212093.1 44.3 323
 166 6 4 320 106 420 4.40E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037845 6596 282 UdeM00000037845 XP_045171816.1 42.3 333
 188 4 44 375 107 436 1.10E-72 282 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037846 6596 284.6 UdeM00000037846 XP_045171816.1 42.6 333
 187 4 44 375 107 436 1.80E-73 284.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037847 6596 284.6 UdeM00000037847 XP_045171816.1 42.6 333
 187 4 44 375 107 436 1.80E-73 284.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037848 6596 282 UdeM00000037848 XP_045212093.1 44.3 323
 166 6 59 375 106 420 1.10E-72 282 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037852 29159 939.1 UdeM00000037852 XP_019919313.2 49.9 1056
 480 20 3 1033 8 1039 4.90E-270 939.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037853 6500 616.3 UdeM00000037853 XP_005112685.1 63.8 461
 167 0 1 461 1 461 3.20E-173 616.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000037854 6596 1069.7 UdeM00000037854 XP_045164397.1 69
 810 223 7 15 810 11 806 0.00E+00 1069.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037855 6596 128.6 UdeM00000037855 XP_045165082.1 60.7 107
 41 1 1 107 1 106 4.70E-27 128.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037857 6596 219.9 UdeM00000037857 XP_045166559.1 75.4 142
 34 1 1 142 88 228 2.00E-54 219.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037858 6596 736.5 UdeM00000037858 XP_045166561.1 50.6 904
 337 19 6 812 229 1119 4.40E-209 736.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037859 6596 736.5 UdeM00000037859 XP_045166561.1 50.6 904
 337 19 6 812 229 1119 5.30E-209 736.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037860 6596 369.8 UdeM00000037860 XP_045166561.1 43.2 646
 265 18 1 557 487 1119 1.00E-98 369.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037861 29159 164.5 UdeM00000037861 XP_034313081.1 50.3 161
 78 2 52 211 135 294 1.60E-37 164.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037862 6565 158.3 UdeM00000037862 XP_022293464.1 46.1 154
 81 1 1 154 339 490 8.60E-36 158.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037863 6596 169.9 UdeM00000037863 XP_045166555.1 41.5 205
 118 1 15 219 3 205 4.20E-39 169.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037864 6565 426 UdeM00000037864 XP_022296857.1 52.4 393
 172 4 3 389 1 384 1.60E-115 426 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044318 6596 485.3 UdeM00000044318 XP_045185394.1 57.8 410
 161 5 24 428 17 419 8.80E-134 485.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044320 6596 176.4 UdeM00000044320 XP_045164928.1 59.4 138
 50 1 3 134 124 261 2.40E-41 176.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044319 6596 173.7 UdeM00000044319 XP_045164928.1 66.7 117
 39 0 34 150 145 261 1.80E-40 173.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002088 29159 580.9 UdeM00000002088 XP_011429969.1 49.1 532
268 2 1 529 1 532 1.70E-162 580.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000002089 29159 580.5 UdeM00000002089 XP_011429969.1 49.1 532
268 2 27 555 1 532 2.30E-162 580.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000002090 6565 471.9 UdeM00000002090 XP_022346107.1 55.8 398
176 0 1 398 1 398 8.30E-130 471.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002091 6573 547.7 UdeM00000002091 XP_021363389.1 62.1 427
160 1 29 453 29 455 1.40E-152 547.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002092 6596 1808.1 UdeM00000002092 XP_045163829.1 54.5
1651 686 15 4 1639 6 1606 0.00E+00 1808.1 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002093 6596 1748.4 UdeM00000002093 XP_045163829.1 53.4
1650 706 17 4 1637 6 1608 0.00E+00 1748.4 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002094 6596 337 UdeM00000002094 XP_045179239.1 64 250
88 1 1 248 1 250 2.00E-89 337 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002095 6596 592.4 UdeM00000002095 XP_045161075.1 79.6 367
72 2 2 366 3 368 3.90E-166 592.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002096 6596 823.2 UdeM00000002096 XP_045161087.1 54.4 871
355 19 1 835 1 865 3.10E-235 823.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002097 6573 389 UdeM00000002097 XP_021357267.1 47.3 385
188 6 1 379 10 385 7.20E-105 389 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002098 1735272 75.5 UdeM00000002098 XP_041354181.1 29.9
177 119 2 19 191 17 192 1.10E-10 75.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002099 6565 308.9 UdeM00000002099 XP_022332440.1 62 250
91 2 35 282 90 337 1.20E-80 308.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002100 6579 537.3 UdeM00000002100 XP_033735148.1 61.7 465
155 8 1 458 1 449 1.80E-149 537.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002102 1735272 998 UdeM00000002102 XP_041353787.1 84
630 95 4 1 626 21 648 5.20E-288 998 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002104 1735272 992.3 UdeM00000002104 XP_041353787.1 83.3
630 99 4 1 626 21 648 2.90E-286 992.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002103 1735272 972.6 UdeM00000002103 XP_041353787.1 85
605 85 4 1 601 21 623 3.20E-280 972.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002105 6596 122.1 UdeM00000002105 XP_045186262.1 40.8 147
77 5 1 139 1 145 1.50E-24 122.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002106 6596 1064.7 UdeM00000002106 XP_045186232.1 65.3
776 267 2 62 836 71 845 6.10E-308 1064.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002107 6596 314.3 UdeM00000002107 XP_045163821.1 42.6 338
 188 2 60 391 97 434 2.20E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002109 30213 390.6 UdeM00000002109 XP_043676064.1 41 722
 379 15 4 715 5 689 4.80E-105 390.6 30213 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Vespoidea;Vespidae;Vespinae;Vespula;Vespula pensylvanica
 UdeM00000002110 6596 543.9 UdeM00000002110 XP_045159966.1 50.5 733
 334 7 1 716 4 724 3.10E-151 543.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002111 6579 84.3 UdeM00000002111 XP_033735982.1 35.4 113
 66 2 116 225 254 362 2.10E-13 84.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002113 1735272 569.7 UdeM00000002113 XP_041353635.1 64.8
 406 143 0 1 406 33 438 3.00E-159 569.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002114 6596 136.3 UdeM00000002114 XP_045161056.1 47.3 207
 91 5 22 215 14 215 4.50E-29 136.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002115 400727 302.4 UdeM00000002115 XP_025108466.1 52.1
 288 135 2 31 318 59 343 8.00E-79 302.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002116 6596 86.3 UdeM00000002116 XP_045190867.1 43.5 108
 60 1 51 158 646 752 4.30E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002117 6579 219.9 UdeM00000002117 XP_033739209.1 49.6 232
 101 2 17 243 29 249 3.50E-54 219.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002119 29159 857.4 UdeM00000002119 XP_034305523.1 51.6 913
 421 11 16 924 9 904 1.60E-245 857.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000002120 29159 156.8 UdeM00000002120 XP_034305523.1 50.7 134
65 1 2 134 771 904 2.20E-35 156.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000002121 6596 137.1 UdeM00000002121 XP_045161056.1 61.2 121
45 1 39 157 28 148 3.90E-29 137.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002122 1735272 613.6 UdeM00000002122 XP_041351996.1 70.5
641 178 3 1 631 1 640 2.90E-172 613.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002123 6596 313.2 UdeM00000002123 XP_045157071.1 72.2 212
56 2 165 375 4 213 4.70E-82 313.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002127 6579 384.4 UdeM00000002127 XP_033736332.1 45.6 452
196 7 1 449 27 431 2.00E-103 384.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002129 7574 224.2 UdeM00000002129 XP_013397718.1 97.4 115
3 0 1 115 5 119 8.70E-56 224.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000002128 6596 230.7 UdeM00000002128 XP_045161891.1 97.5 119
3 0 1 119 1 119 9.70E-58 230.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002130 151771 239.6 UdeM00000002130 XP_028415423.1 26.6
624 300 8 4 471 7 628 8.20E-60 239.6 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000002131 6526 225.7 UdeM00000002131 XP_013084353.1 78.1 137
30 0 8 144 10 146 3.80E-56 225.7 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000002132 6526 223.4 UdeM00000002132 XP_013084353.1 80.8 130
 25 0 3 132 17 146 1.70E-55 223.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000002133 6573 174.1 UdeM00000002133 XP_021378491.1 24.1 918
 565 27 325 1148 473 1352 1.00E-39 174.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002134 6596 284.3 UdeM00000002134 XP_045187452.1 74.4 172
 44 0 3 174 6 177 1.10E-73 284.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002135 6596 501.9 UdeM00000002135 XP_045182621.1 71.2 323
 93 0 29 351 31 353 6.60E-139 501.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002137 6596 334 UdeM00000002137 XP_045187126.1 50.6 356
 159 3 1 356 67 405 2.40E-88 334 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002136 6596 376.3 UdeM00000002136 XP_045187127.1 51.8 386
 169 3 7 392 9 377 4.70E-101 376.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002138 6596 1444.9 UdeM00000002138 XP_045187123.1 88.9
 783 84 2 1 783 1 780 0.00E+00 1444.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002139 6596 325.1 UdeM00000002139 XP_045187122.1 87.9 190
 23 0 1 190 1 190 6.00E-86 325.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002140 6596 301.2 UdeM00000002140 XP_045187122.1 87.9 174
 21 0 1 174 1 174 8.60E-79 301.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002141 1735272 323.2 UdeM00000002141 XP_041353254.1 54.4
 272 123 1 29 300 25 295 3.60E-85 323.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002142 6579 243.8 UdeM00000002142 XP_033734537.1 61.7 188
 70 2 5 190 13 200 1.80E-61 243.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002143 6579 263.1 UdeM00000002143 XP_033734537.1 64.9 188
 65 1 5 191 13 200 2.80E-67 263.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002144 6573 267.7 UdeM00000002144 XP_021379956.1 44.4 351
 178 4 22 367 13 351 2.20E-68 267.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002145 6596 354.4 UdeM00000002145 XP_045184795.1 36.7 569
 348 7 41 601 21 585 2.90E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002146 6596 444.5 UdeM00000002146 XP_045184795.1 40.9 575
 327 9 9 578 16 582 2.10E-121 444.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002147 6500 164.5 UdeM00000002147 XP_005090674.1 52.6 156
 72 2 1 154 5 160 1.10E-37 164.5 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000002148 6596 397.1 UdeM00000002148 XP_045170479.1 64 303
 108 1 1 302 1 303 2.00E-107 397.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002149 6596 178.7 UdeM00000002149 XP_045170479.1 69.6 125
 37 1 1 124 179 303 4.60E-42 178.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002150 151771 219.5 UdeM00000002150 XP_028415423.1 34.2
 398 178 7 3 321 5 397 6.00E-54 219.5 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo

corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea
 UdeM00000002151 6573 312.8 UdeM00000002151 XP_021378012.1 51.9 312
 145 3 151 458 1 311 7.50E-82 312.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002152 28377 85.1 UdeM00000002152 XP_016852536.1 61.8 55
 21 0 41 95 27 81 5.30E-14 85.1 28377 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Iguania;Dacty
 loidae;Anolis;Anolis carolinensis
 UdeM00000002153 202533 86.7 UdeM00000002153 XP_035229803.1 63
 54 20 0 71 124 157 210 2.40E-14 86.7 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000002154 6941 86.3 UdeM00000002154 XP_037274979.1 64.2 53
 19 0 20 72 105 157 1.90E-14 86.3 6941 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Boophilus;R
 hipicephalus microplus
 UdeM00000002155 6565 566.6 UdeM00000002155 XP_022330967.1 59.7 551
 198 8 1 544 5 538 3.40E-158 566.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002156 6573 524.2 UdeM00000002156 XP_021378154.1 73 352
 91 3 1 348 1 352 1.30E-145 524.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002157 7574 604.4 UdeM00000002157 XP_013396332.1 48.8 652
 279 7 1 619 1 630 1.70E-169 604.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002158 6565 229.9 UdeM00000002158 XP_022330950.1 39.8 508
 249 15 17 501 1272 1745 6.90E-57 229.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002159 6579 1121.3 UdeM00000002159 XP_033736072.1 56.4
 1091 410 12 10 1046 4 1082 0.00E+00 1121.3 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002160 6596 164.9 UdeM00000002160 XP_045158716.1 35 349
 183 8 103 426 1370 1699 2.30E-37 164.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002161 6596 1132.5 UdeM00000002161 XP_045158716.1 41.7
1508 759 24 20 1481 266 1699 0.00E+00 1132.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002162 29159 144.8 UdeM00000002162 XP_034326827.1 51.9 154
68 2 1 153 1 149 9.10E-32 144.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000002163 1735272 965.3 UdeM00000002163 XP_041353446.1 62.9
765 275 4 1 760 1 761 4.60E-278 965.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002164 6596 357.8 UdeM00000002164 XP_045181007.1 50.3 354
174 2 1 353 1 353 1.60E-95 357.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002165 6596 1477.2 UdeM00000002165 XP_045181004.1 49.9
1568 738 17 1 1540 394 1942 0.00E+00 1477.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002166 6596 193.4 UdeM00000002166 XP_045181004.1 41.9 236
133 2 1 235 1975 2207 3.40E-46 193.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002167 6579 75.1 UdeM00000002167 XP_033734713.1 44.6 92
51 0 59 150 292 383 1.60E-10 75.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002169 6579 288.9 UdeM00000002169 XP_033734182.1 55.7 264
105 3 52 315 16 267 7.90E-75 288.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002168 6573 666.4 UdeM00000002168 XP_021361758.1 49.3 682
319 8 44 721 11 669 4.20E-188 666.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000002170 6573 681.4 UdeM00000002170 XP_021361758.1 50.4 679
 316 6 18 693 4 664 1.40E-192 681.4 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000002171 1735272 149.8 UdeM00000002171 XP_041352779.1 41.7
 187 100 5 180 364 25 204 7.10E-33 149.8 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000002172 1735272 148.7 UdeM00000002172 XP_041352779.1 42.7
 185 99 6 88 270 25 204 1.20E-32 148.7 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000002173 29159 96.3 UdeM00000002173 XP_019918637.2 31.6 190
 122 4 1 185 3 189 5.20E-17 96.3 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000002174 1735272 408.7 UdeM00000002174 XP_041353596.1 62.8
 323 116 4 20 340 18 338 7.50E-111 408.7 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000002175 6596 310.5 UdeM00000002175 XP_045182166.1 44.9 457
 235 6 18 464 1 450 3.70E-81 310.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000002177 6596 196.4 UdeM00000002177 XP_045161586.1 48.1 385
 165 5 1 361 3 376 8.60E-47 196.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000002176 6596 196.1 UdeM00000002176 XP_045161586.1 48.1 385
 165 5 6 366 3 376 1.10E-46 196.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000002178 6573 934.9 UdeM00000002178 XP_021361303.1 57.4 938
 336 12 1 906 1 906 7.90E-269 934.9 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000002179 6596 157.9 UdeM00000002179 XP_045182156.1 43.1 209
 109 6 33 233 17 223 1.60E-35 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002181 6596 2469.1 UdeM00000002181 XP_045187226.1 71.1
 1847 482 20 5 1830 650 2465 0.00E+00 2469.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002182 6596 2456.4 UdeM00000002182 XP_045187226.1 70.8
 1849 482 20 5 1828 650 2465 0.00E+00 2456.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002183 6596 1008.8 UdeM00000002183 XP_045187226.1 78.5
 651 129 3 1 641 1 650 3.10E-291 1008.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002184 6596 626.7 UdeM00000002184 XP_045187226.1 82.7 381
 58 1 1 373 1 381 1.90E-176 626.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002185 6596 69.7 UdeM00000002185 XP_045177091.1 60.7 61
 24 0 3 63 5 65 3.00E-09 69.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002186 6573 605.5 UdeM00000002186 XP_021359930.1 60.8 500
 183 3 11 499 2 499 6.20E-170 605.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002187 29159 139.4 UdeM00000002187 XP_034323163.1 53.6 125
 54 2 25 146 14 137 3.80E-30 139.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002189 6565 411.8 UdeM00000002189 XP_022332697.1 52.2 356
 162 2 8 363 8 355 9.30E-112 411.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002188 6579 737.3 UdeM00000002188 XP_033735616.1 56.3 604
 239 6 8 601 16 604 1.90E-209 737.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002190 6596 122.1 UdeM00000002190 XP_045180427.1 32.8 274
 129 4 1 220 1 273 9.50E-25 122.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002191 225164 469.2 UdeM00000002191 XP_009064850.1 54.3
 422 163 3 2 395 5 424 5.40E-129 469.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000002192 6596 265.8 UdeM00000002192 XP_045165556.1 90.6 127
 12 0 1 127 1 127 2.90E-68 265.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002193 6596 288.1 UdeM00000002193 XP_045213325.1 44.8 1124
 498 14 1 1079 1 1046 4.60E-74 288.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002194 29159 309.7 UdeM00000002194 XP_011428851.1 60.7 267
 102 2 1 266 1 265 4.40E-81 309.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002195 6565 157.9 UdeM00000002195 XP_022329353.1 53.4 148
 66 1 10 157 1 145 1.10E-35 157.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002196 6565 141.7 UdeM00000002196 XP_022329353.1 47.3 146
 74 1 1 146 1 143 8.10E-31 141.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002197 6565 151 UdeM00000002197 XP_022329353.1 50.7 146
 69 1 1 146 1 143 1.30E-33 151 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002198 6565 169.5 UdeM00000002198 XP_022329353.1 54.1 148
 65 1 10 157 1 145 3.80E-39 169.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002199 29159 158.3 UdeM00000002199 XP_011452630.2 51.7 143
 66 1 115 257 7 146 1.40E-35 158.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002200 1735272 446 UdeM00000002200 XP_041354569.1 63.6
 349 119 5 26 372 50 392 4.60E-122 446 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002201 29159 649 UdeM00000002201 XP_011423718.2 70.9 443
 124 4 16 456 11 450 4.40E-183 649 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002202 6596 421.8 UdeM00000002202 XP_045157233.1 61.3 357
 128 4 48 396 65 419 1.10E-114 421.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002203 6573 648.7 UdeM00000002203 XP_021339361.1 49.4 644
 315 5 1 641 100 735 8.00E-183 648.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002204 46731 142.5 UdeM00000002204 XP_027055174.1 27.1 336
 221 7 29 360 35 350 1.10E-30 142.5 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000002205 6596 258.8 UdeM00000002205 XP_045166150.1 63.5 208
 75 1 1 208 1 207 7.20E-66 258.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002206 6596 530.8 UdeM00000002206 XP_045166158.1 72.4 384
 101 3 4 385 183 563 1.50E-147 530.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002207 6596 523.5 UdeM00000002207 XP_045166169.1 51.5 495
 228 5 1 489 2 490 3.00E-145 523.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002208 7574 118.6 UdeM00000002208 XP_013388573.1 44.2 156
 85 1 12 167 786 939 7.60E-24 118.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000002209 7574 73.9 UdeM00000002209 XP_013388573.1 42.4 99
50 3 93 190 346 438 2.40E-10 73.9 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000002210 29159 218 UdeM00000002210 XP_034339171.1 45 240
127 2 25 259 13 252 1.60E-53 218 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002211 6596 427.6 UdeM00000002211 XP_045178562.1 49.7 443
190 5 2 439 121 535 2.00E-116 427.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002212 6596 156.4 UdeM00000002212 XP_045178574.1 34.2 371
208 13 138 492 121 471 9.70E-35 156.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002213 6412 134.8 UdeM00000002213 XP_009012646.1 36.5 211
85 3 1 163 1 210 1.00E-28 134.8 6412 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;Helobdella;Helobdella robusta
UdeM00000002214 6596 582.8 UdeM00000002214 XP_045178464.1 50 610
266 10 9 584 7 611 4.90E-163 582.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002215 6596 607.8 UdeM00000002215 XP_045178455.1 51 616
268 9 9 595 7 617 1.40E-170 607.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002216 6596 579.3 UdeM00000002216 XP_045178500.1 51.5 584
236 11 9 564 7 571 5.20E-162 579.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002217 1735272 101.3 UdeM00000002217 XP_041353139.1 41.1
129 65 4 22 150 23 140 1.80E-18 101.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002218 6500 98.6 UdeM00000002218 XP_005104922.1 37.8 156
 86 2 31 183 99 246 1.10E-17 98.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000002219 6596 147.1 UdeM00000002219 XP_045170978.1 60.7 112
 43 1 15 125 18 129 1.50E-32 147.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002220 6087 142.1 UdeM00000002220 XP_012558222.1 37.7 223
 125 3 4 214 13 233 8.20E-31 142.1 6087 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
 oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
 UdeM00000002221 400682 120.9 UdeM00000002221 XP_003390251.1 35.7
 213 123 5 12 221 432 633 2.00E-24 120.9 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000002222 6596 397.5 UdeM00000002222 XP_045171039.1 66.7 306
 60 5 1 303 1 267 1.50E-107 397.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002223 6596 133.7 UdeM00000002223 XP_045171006.1 68.7 99
 28 3 1 96 1 99 1.30E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002224 6596 420.2 UdeM00000002224 XP_045186138.1 66.8 295
 98 0 1 295 1 295 2.10E-114 420.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002225 6573 431.8 UdeM00000002225 XP_021374786.1 44.3 499
 248 8 3 476 42 535 1.10E-117 431.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002226 6596 603.6 UdeM00000002226 XP_045161534.1 68.7 434
 130 4 50 479 370 801 2.20E-169 603.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002228 6579 172.2 UdeM00000002228 XP_033733860.1 59.2 157
 54 4 16 163 14 169 5.60E-40 172.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002229 6573 220.7 UdeM00000002229 XP_021374792.1 74.3 148
 35 1 1 148 1 145 1.50E-54 220.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002230 6579 249.6 UdeM00000002230 XP_033734616.1 57.6 210
 84 2 14 220 10 217 3.70E-63 249.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002231 6596 709.5 UdeM00000002231 XP_045164531.1 65.4 624
 207 4 6 621 9 631 3.70E-201 709.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002232 6596 235 UdeM00000002232 XP_045164495.1 74.3 167
 43 0 6 172 9 175 7.40E-59 235 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002233 6565 777.3 UdeM00000002233 XP_022332899.1 95 419
 20 1 1 419 1 418 9.70E-222 777.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002234 6596 647.1 UdeM00000002234 XP_045165854.1 43.2 773
 416 9 14 773 9 771 3.30E-182 647.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002236 6565 449.9 UdeM00000002236 XP_022345479.1 38.4 765
 441 18 23 773 22 770 6.50E-123 449.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002238 6573 171.8 UdeM00000002238 XP_021364860.1 23.6 1267
 742 49 15 1172 18 1167 9.90E-39 171.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002240 6579 75.1 UdeM00000002240 XP_033736127.1 25.8 306
 163 9 1 255 1 293 1.50E-10 75.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002241 400727 192.2 UdeM00000002241 XP_025106005.1 70.9
 127 37 0 25 151 18 144 4.80E-46 192.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000002242 72036 77.4 UdeM00000002242 XP_040571364.1 32.4 170
 100 2 621 784 126 286 1.00E-10 77.4 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000002243 6596 705.7 UdeM00000002243 XP_045167801.1 48.3 822
 366 15 11 808 1 787 7.40E-200 705.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002244 6596 705.7 UdeM00000002244 XP_045167801.1 48.3 822
 366 15 1 798 1 787 7.30E-200 705.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002245 6579 174.5 UdeM00000002245 XP_033736012.1 43.1 267
 124 7 1 257 1 249 1.80E-40 174.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002247 6596 238.4 UdeM00000002247 XP_045187806.1 60.9 202
 76 2 1 199 1 202 8.30E-60 238.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002248 6565 417.9 UdeM00000002248 XP_022345479.1 33.6 867
 521 22 31 869 27 866 3.40E-113 417.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002249 29159 443.4 UdeM00000002249 XP_034310115.1 34.1 877
 543 19 1 859 1 860 7.50E-121 443.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002250 6573 214.5 UdeM00000002250 XP_021348097.1 60 185
 70 2 1 185 1 181 1.10E-52 214.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002252 6573 204.9 UdeM00000002252 XP_021348136.1 33.6 339
 213 5 6 338 168 500 1.60E-49 204.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002253 6573 686.8 UdeM00000002253 XP_021376661.1 43.2 797
 423 13 9 795 188 964 3.30E-194 686.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002254 6573 137.5 UdeM00000002254 XP_021376661.1 42 157
 90 1 7 162 7 163 1.50E-29 137.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002255 29159 853.2 UdeM00000002255 XP_011439505.1 82.7 521
 89 1 4 523 5 525 1.70E-244 853.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002256 6596 174.1 UdeM00000002256 XP_045173793.1 81 105
 19 1 12 115 23 127 1.10E-40 174.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002257 6596 131.3 UdeM00000002257 XP_045180696.1 78.3 83
 18 0 10 92 256 338 6.20E-28 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002258 6596 103.2 UdeM00000002258 XP_045187815.1 61.9 118
 29 6 1 107 1 113 2.40E-19 103.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002260 6565 353.2 UdeM00000002260 XP_022333579.1 63.2 253
 92 1 15 267 12 263 2.90E-94 353.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002261 6573 289.3 UdeM00000002261 XP_021362951.1 57.3 225
 95 1 15 239 47 270 4.60E-75 289.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002262 6565 268.5 UdeM00000002262 XP_022330460.1 71.7 187
 53 0 1 187 15 201 1.20E-68 268.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002263 6500 747.3 UdeM00000002263 NP_001191401.1 82.2 455
 74 5 1 450 283 735 1.20E-212 747.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000002264 6596 324.3 UdeM00000002264 XP_045163814.1 72.5 218
 43 4 1 201 1 218 1.10E-85 324.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002265 6596 324.7 UdeM00000002265 XP_045163814.1 80.5 190
 32 3 1 185 1 190 7.60E-86 324.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002266 6596 171.4 UdeM00000002266 XP_045163848.1 55.5 146
 56 2 12 157 14 150 9.20E-40 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002267 6596 317.4 UdeM00000002267 XP_045180732.1 47.9 489
 201 12 207 662 446 913 5.70E-83 317.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002270 6596 172.6 UdeM00000002270 XP_045176457.1 46.8 231
 101 3 1 225 806 1020 6.00E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002271 6596 907.9 UdeM00000002271 XP_045176451.1 65.4 824
 265 5 1 820 3 810 1.20E-260 907.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002272 6596 651 UdeM00000002272 XP_045176451.1 65.8 605
 189 4 1 601 3 593 1.50E-183 651 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002273 6596 332 UdeM00000002273 XP_045186895.1 69.7 238
 72 0 1 238 1 238 6.10E-88 332 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002274 6596 310.8 UdeM00000002274 XP_045186897.1 62.8 261
 45 1 2 262 8 216 1.60E-81 310.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002275 6596 308.5 UdeM00000002275 XP_045186899.1 62.5 259
 45 1 2 260 8 214 8.00E-81 308.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002276 37621 221.5 UdeM00000002276 XP_014676995.1 64.9 154
 53 1 1 154 1 153 7.60E-55 221.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000002277 34632 82.8 UdeM00000002277 XP_037515180.1 43.2 95
 54 0 6 100 269 363 3.30E-13 82.8 34632 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Rhipicephal
 us;Rhipicephalus sanguineus group;Rhipicephalus sanguineus
 UdeM00000002278 7654 169.5 UdeM00000002278 XP_041472362.1 41.8 196
 106 4 2 192 255 447 4.40E-39 169.5 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000002279 45351 112.8 UdeM00000002279 XP_032227349.1 32.3 217
 115 4 1 217 15 199 5.70E-22 112.8 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000002280 29159 114.8 UdeM00000002280 XP_034323387.1 63.2 76
 28 0 2 77 17 92 8.60E-23 114.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002281 6596 517.3 UdeM00000002281 XP_045158275.1 31.1 1738
 835 51 417 1980 490 2038 8.60E-143 517.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002283 6596 406.8 UdeM00000002283 XP_045192999.1 53.5 368
 165 4 12 378 6 368 3.20E-110 406.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002284 6596 268.9 UdeM00000002284 XP_045192999.1 54.7 232
 99 4 38 268 55 281 7.20E-69 268.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002286 6573 231.1 UdeM00000002286 XP_021353785.1 45.5 321
 136 6 6 292 2 317 1.80E-57 231.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002287 6596 587 UdeM00000002287 XP_045158332.1 43.9 781
 191 14 18 596 129 864 2.70E-164 587 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002289 6596 173.3 UdeM00000002289 XP_045182678.1 59.9 147
 55 2 2 144 104 250 2.20E-40 173.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002288 2607531 268.1 UdeM00000002288 XP_029643017.1 52.9
 274 79 2 1 273 1 225 1.30E-68 268.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000002290 6596 1194.5 UdeM00000002290 XP_045156990.1 79.8
 759 140 4 1 754 152 902 0.00E+00 1194.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002291 6596 368.2 UdeM00000002291 XP_045156990.1 87.1 202
 26 0 1 202 157 358 6.60E-99 368.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002292 6573 745.7 UdeM00000002292 XP_021353642.1 63.2 593
 202 5 24 603 56 645 4.70E-212 745.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002293 6573 265.8 UdeM00000002293 XP_021353644.1 55.5 227
 98 2 1 226 1 225 5.20E-68 265.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002294 6573 120.9 UdeM00000002294 XP_021353644.1 51.9 108
 51 1 2 108 118 225 1.00E-24 120.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002295 400727 385.2 UdeM00000002295 XP_025103728.1 93.6
 202 13 0 1 202 4 205 5.20E-104 385.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002296 409849 322.8 UdeM00000002296 XP_033836177.1 91.3
 172 15 0 1 172 1 172 2.70E-85 322.8 409849
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Periophthalmus;Periophthalmus magnuspinnatus

UdeM00000002297	6596	619	UdeM00000002297	XP_045161058.1	58.3	496
203	3	1	495	1	493	5.30E-174

619 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002298	6573	503.8	UdeM00000002298	XP_021372699.1	47.1	548
236	9	24	524	84	624	2.60E-139

503.8 6573 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002299	6573	449.1	UdeM00000002299	XP_021372699.1	44	548
230	10	24	501	84	624	7.30E-123

449.1 6573 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002300	6579	95.5	UdeM00000002300	XP_033735570.1	63.1	65
24	0	1	65	315	379	5.50E-17

95.5 6579 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002301	400727	267.3	UdeM00000002301	XP_025104112.1	65.4	
191	64	1	75	263	10	200

267.3 400727 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000002302	6596	750.7	UdeM00000002302	XP_045159980.1	58.7	624
257	1	7	629	36	659	1.50E-213

750.7 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002303	6596	743.8	UdeM00000002303	XP_045159980.1	59.1	624
254	1	7	629	36	659	1.80E-211

743.8 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002304	6596	407.1	UdeM00000002304	XP_045159914.1	61.5	338
128	2	23	358	38	375	2.30E-110

407.1 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002305	6596	902.5	UdeM00000002305	XP_045159914.1	68	641
204	1	3	642	8	648	3.10E-259

902.5 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002306 6596 988.8 UdeM00000002306 XP_045159875.1 76.1 639
 152 1 39 676 91 729 3.40E-285 988.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002308 29159 310.1 UdeM00000002308 XP_011425562.1 78.3 189
 34 1 1 182 1 189 3.10E-81 310.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000002309 1735272 288.9 UdeM00000002309 XP_041352381.1 71.9
 199 41 2 22 220 1 184 7.90E-75 288.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002311 1735272 253.1 UdeM00000002311 XP_041352377.1 57.8
 287 116 3 8 294 6 287 4.60E-64 253.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002310 1735272 1149 UdeM00000002310 XP_041352377.1 57.8
 1172 367 13 8 1143 6 1086 0.00E+00 1149 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002313 6573 418.3 UdeM00000002313 XP_021351552.1 69.9 376
 107 3 36 410 1099 1469 1.10E-113 418.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002314 1735272 226.5 UdeM00000002314 XP_041352384.1 56.5
 191 81 1 7 197 8 196 3.30E-56 226.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002316 225164 842 UdeM00000002316 XP_009061666.1 65.1
 536 181 2 24 557 1 532 6.00E-241 842 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000002317 225164 842 UdeM00000002317 XP_009061666.1 65.1
 536 181 2 25 558 1 532 6.00E-241 842 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000002318 2607531 385.2 UdeM00000002318 XP_029637912.1 62.5
 296 111 0 102 397 118 413 1.00E-103 385.2 2607531

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000002319 6596 481.1 UdeM00000002319 XP_045161383.1 50.2 476
230 4 1 476 1 469 1.60E-132 481.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002320 7741 218.8 UdeM00000002320 XP_019622111.1 53.3 199
91 2 106 304 82 278 9.70E-54 218.8 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000002321 6500 110.9 UdeM00000002321 XP_035824558.1 70.7 75
22 0 1 75 30 104 8.40E-22 110.9 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000002322 6573 128.3 UdeM00000002322 XP_021353616.1 34.8 250
135 8 12 236 1251 1497 1.40E-26 128.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000002323 6596 486.9 UdeM00000002323 XP_045161383.1 51.7 462
218 3 1 462 1 457 3.00E-134 486.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002326 6596 733.4 UdeM00000002326 XP_045187433.1 54.5 657
286 8 8 657 25 675 2.60E-208 733.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002327 6596 551.6 UdeM00000002327 XP_045187433.1 53.6 502
227 5 40 539 52 549 1.10E-153 551.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002328 6596 109 UdeM00000002328 XP_045187433.1 66.7 75
24 1 1 75 563 636 2.90E-21 109 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002329 6596 98.2 UdeM00000002329 XP_045187433.1 64.7 68
23 1 1 68 570 636 4.60E-18 98.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002330 6596 707.2 UdeM00000002330 XP_045187433.1 53.3 630
 287 5 29 656 51 675 2.00E-200 707.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002331 6596 707.2 UdeM00000002331 XP_045187433.1 53.3 630
 287 5 35 662 51 675 2.00E-200 707.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002332 6579 454.9 UdeM00000002332 XP_033741736.1 58.5 364
 149 1 1 362 494 857 9.90E-125 454.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002333 6579 279.3 UdeM00000002333 XP_033741736.1 54.9 244
 108 1 1 242 614 857 5.10E-72 279.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002334 680683 100.1 UdeM00000002334 XP_013184004.1 23.8
 323 132 8 61 380 14 225 6.20E-18 100.1 680683
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Pyraloidea;P
 yralidae;Phycitinae;Amyelois;Amyelois transitella
 UdeM00000002335 105785 87 UdeM00000002335 XP_023716734.1 32.8
 134 76 3 47 175 62 186 2.50E-14 87 105785
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blat
 toidea;Termitoidea;Kalotermitidae;Cryptotermitinae;Cryptotermes;Cryptoter
 mes secundus
 UdeM00000002336 6500 113.2 UdeM00000002336 XP_012944388.1 54.8 93
 41 1 14 106 548 639 2.40E-22 113.2 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000002337 6596 547.7 UdeM00000002337 XP_045187433.1 51.3 519
 247 4 38 554 161 675 1.70E-152 547.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002338 6500 115.2 UdeM00000002338 XP_012944388.1 55.7 88
 38 1 1 88 563 649 5.80E-23 115.2 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Te-
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000002339 6596 406 UdeM00000002339 XP_045161100.1 40.2 801
 414 24 1 764 186 958 1.10E-109 406 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002340 6596 322.4 UdeM00000002340 XP_045161100.1 83.5 182
 30 0 1 182 1 182 3.80E-85 322.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002341 6596 385.6 UdeM00000002341 XP_045161113.1 72.2 273
 70 3 8 280 7 273 5.50E-104 385.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002343 29159 255.8 UdeM00000002343 XP_034326762.1 53.5 241
 104 3 118 358 230 462 1.20E-64 255.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr-
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002344 6596 291.6 UdeM00000002344 XP_045214054.1 66.5 209
 68 1 395 603 289 495 4.10E-75 291.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002345 6596 289.3 UdeM00000002345 XP_045214054.1 66.5 209
 68 1 531 739 289 495 2.10E-74 289.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002346 7574 116.3 UdeM00000002346 XP_023932869.1 51.9 108
 52 0 12 119 79 186 2.80E-23 116.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin-
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002347 6579 78.2 UdeM00000002347 XP_033734582.1 29.8 228
 142 8 145 367 513 727 2.70E-11 78.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002348 6579 78.2 UdeM00000002348 XP_033734582.1 29.8 228
 142 8 128 350 513 727 2.50E-11 78.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002349 6596 1922.1 UdeM00000002349 XP_045187264.1 78.3
 1226 233 7 1 1219 1 1200 0.00E+00 1922.1 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002350 6596 520 UdeM00000002350 XP_045187265.1 53.5 735
272 13 10 738 7 677 5.00E-144 520 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002351 6596 527.3 UdeM00000002351 XP_045183662.1 64.3 406
138 3 1 405 2799 3198 1.70E-146 527.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002352 6596 1524.6 UdeM00000002352 XP_045183662.1 49.1
1704 614 22 5 1634 1674 3198 0.00E+00 1524.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002353 6596 1060.1 UdeM00000002353 XP_045183662.1 43.2
1462 766 29 34 1462 117 1547 2.60E-306 1060.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002354 6565 537.3 UdeM00000002354 XP_022335046.1 59.5 543
162 7 10 537 48 547 2.20E-149 537.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000002355 6579 111.7 UdeM00000002355 XP_033735356.1 45.2 146
55 4 482 618 410 539 3.40E-21 111.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000002358 6573 299.3 UdeM00000002358 XP_021353636.1 72.7 264
60 7 64 320 95 353 5.90E-78 299.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000002357 6573 299.3 UdeM00000002357 XP_021353636.1 72.7 264
60 7 47 303 95 353 5.60E-78 299.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000002359 6596 748.4 UdeM00000002359 XP_045163118.1 43.1 1333
567 22 1 1311 1 1164 1.50E-212 748.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002360 6573 555.8 UdeM00000002360 XP_021353626.1 44.7 792
349 14 1 754 1 741 9.80E-155 555.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002361 6596 271.2 UdeM00000002361 XP_045163118.1 74.7 178
31 1 1 178 1 164 9.60E-70 271.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002362 1735272 506.5 UdeM00000002362 XP_041351883.1 50.8
610 246 13 52 622 39 633 5.60E-140 506.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002363 6596 320.9 UdeM00000002363 XP_045212833.1 74.5 208
49 2 1 208 258 461 1.90E-84 320.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002364 1735272 496.9 UdeM00000002364 XP_041352393.1 56.3
426 178 4 61 484 42 461 2.90E-137 496.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002365 6579 531.2 UdeM00000002365 XP_033733842.1 49.3 570
272 8 1 567 1 556 1.60E-147 531.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002366 6596 79 UdeM00000002366 XP_045165132.1 43.6 117
53 2 13 116 585 701 2.00E-11 79 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002367 6596 79 UdeM00000002367 XP_045187574.1 45.2 84
46 0 118 201 86 169 8.10E-12 79 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002369 6596 971.1 UdeM00000002369 XP_045170121.1 65.2 747
249 6 1 745 1 738 8.20E-280 971.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002370 6596 437.6 UdeM00000002370 XP_045170132.1 46 478
 243 7 7 474 10 482 2.20E-119 437.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002371 6596 114.8 UdeM00000002371 XP_045170178.1 45.3 170
 78 4 1 158 1 167 1.00E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002372 29159 176 UdeM00000002372 XP_011451435.2 35.6 494
 229 18 23 513 24 431 1.20E-40 176 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002374 6596 163.7 UdeM00000002374 XP_045187696.1 46.5 215
 106 6 12 220 26 237 2.70E-37 163.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002375 6596 67 UdeM00000002375 XP_045187700.1 36.8 95
 60 0 12 106 12 106 4.60E-08 67 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002376 6596 778.5 UdeM00000002376 XP_045175491.1 70.6 555
 157 3 32 584 16 566 6.10E-222 778.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002377 6596 463.4 UdeM00000002377 XP_045216089.1 78.7 296
 60 2 13 307 60 353 2.30E-127 463.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002378 6596 154.8 UdeM00000002378 XP_045162359.1 27.3 330
 219 8 1 318 1 321 2.30E-34 154.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002379 6596 167.2 UdeM00000002379 XP_045203959.1 26.4 697
 415 25 103 765 100 732 8.70E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002381 6596 625.5 UdeM00000002381 XP_045165450.1 75.7 436
 94 2 1 433 1 427 4.90E-176 625.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002382 6565 327 UdeM00000002382 XP_022332142.1 95.3 170
 8 0 1 170 1 170 1.40E-86 327 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002383 6565 312 UdeM00000002383 XP_022332142.1 95.7 162
 7 0 1 162 9 170 4.50E-82 312 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002384 6596 346.3 UdeM00000002384 XP_045187575.1 39.1 458
 271 3 5 457 27 481 6.00E-92 346.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002385 6105 256.9 UdeM00000002385 XP_031566938.1 35.1 456
 235 12 72 523 38 436 7.50E-65 256.9 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000002386 6596 342.4 UdeM00000002386 XP_045187575.1 38.6 448
 271 2 24 467 49 496 9.10E-91 342.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002387 6596 324.3 UdeM00000002387 XP_045187575.1 37.5 440
 268 3 19 451 42 481 2.40E-85 324.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002388 6596 335.1 UdeM00000002388 XP_045187575.1 39 446
 267 3 17 457 43 488 1.40E-88 335.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002389 1735272 290 UdeM00000002389 XP_041353073.1 57.8
 289 113 5 1 283 159 444 3.20E-75 290 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002390 29159 199.1 UdeM00000002390 XP_034325963.1 36.1 327
 194 8 10 325 9 331 1.00E-47 199.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002391 6579 132.5 UdeM00000002391 XP_033735131.1 54.4 147
58 6 13 155 15 156 4.70E-28 132.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000002393 1735272 476.5 UdeM00000002393 XP_041351450.1 28.2
1261 812 27 139 1358 81 1288 1.20E-130 476.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000002395 400727 351.3 UdeM00000002395 XP_025105551.1 31.3
827 514 18 28 819 195 1002 4.00E-93 351.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000002394 1735272 379.4 UdeM00000002394 XP_041351450.1 26.8
1144 745 25 28 1131 197 1288 1.60E-101 379.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000002397 6596 570.9 UdeM00000002397 XP_045171070.1 89.3 299
32 0 8 306 5 303 1.00E-159 570.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002398 29159 590.1 UdeM00000002398 XP_011446411.1 81.5 357
63 3 1 354 1 357 1.90E-165 590.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002399 6596 656.8 UdeM00000002399 XP_045165363.1 74.5 423
107 1 1 423 1 422 1.90E-185 656.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002400 6596 173.3 UdeM00000002400 XP_045165363.1 74.5 102
26 0 1 102 1 102 1.60E-40 173.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002401 6596 156.4 UdeM00000002401 XP_045165373.1 40.6 234
111 8 25 249 25 239 4.90E-35 156.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002402 6596 134 UdeM00000002402 XP_045165373.1 45.8 168
 81 5 40 198 73 239 2.10E-28 134 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002403 29159 63.2 UdeM00000002403 XP_034307851.1 51.9 52
 25 0 1 52 145 196 6.10E-07 63.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002404 6596 85.5 UdeM00000002404 XP_045185793.1 21.1 502
 331 17 2 464 387 862 3.90E-13 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002406 46514 139.8 UdeM00000002406 XP_038075930.1 44.1 170
 87 4 2 168 58 222 3.20E-30 139.8 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000002407 46514 136.7 UdeM00000002407 XP_038075930.1 24 517
 290 15 176 668 369 806 1.10E-28 136.7 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000002409 6596 85.5 UdeM00000002409 XP_045173202.1 22 518
 344 18 271 750 369 864 5.10E-13 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002411 6596 100.9 UdeM00000002411 XP_045156361.1 23.3 516
 349 19 285 770 319 817 1.20E-17 100.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002412 6596 100.9 UdeM00000002412 XP_045156361.1 23.3 516
 349 19 288 773 319 817 1.20E-17 100.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002414 6596 95.9 UdeM00000002414 XP_045156361.1 23.2 492
 331 18 259 721 319 792 3.70E-16 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002415 6596 95.9 UdeM00000002415 XP_045156361.1 23.2 492
 331 18 277 739 319 792 3.80E-16 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002416 6596 107.1 UdeM00000002416 XP_045185797.1 20.8 518
 361 15 338 822 383 884 1.70E-19 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002417 6573 319.3 UdeM00000002417 XP_021367843.1 35 665
 225 15 1 459 1 664 7.90E-84 319.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002418 7604 326.6 UdeM00000002418 XP_033641066.1 58.5 270
 111 1 4 272 3 272 3.00E-86 326.6 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asterias;Asterias rubens
 UdeM00000002419 6596 242.7 UdeM00000002419 XP_045187109.1 53.1 228
 100 2 1 221 1 228 4.60E-61 242.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002420 10224 342.4 UdeM00000002420 XP_002736880.1 57.4 282
 118 2 144 423 36 317 9.30E-91 342.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000002423 6596 77 UdeM00000002423 XP_045187109.1 47.1 85
 39 1 13 91 144 228 1.40E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002424 6596 1025.8 UdeM00000002424 XP_045212469.1 65.9
 806 240 6 137 938 80 854 3.50E-296 1025.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002425 6573 2223.4 UdeM00000002425 XP_021351544.1 59.8
 1964 738 20 1 1943 1 1934 0.00E+00 2223.4 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002426 1735272 186.4 UdeM00000002426 XP_041350611.1 49.7
 199 88 3 9 201 11 203 3.50E-44 186.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002427 6596 361.7 UdeM00000002427 XP_045161807.1 80.1 216
43 0 1 216 5 220 6.60E-97 361.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002428 6412 159.5 UdeM00000002428 XP_009031446.1 29.7 364
229 10 38 383 138 492 8.70E-36 159.5 6412 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;Helobdella;Helobdella robusta

UdeM00000002430 6596 299.7 UdeM00000002430 XP_045170508.1 38.9 429
245 7 44 461 21 443 6.70E-78 299.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002429 6596 299.7 UdeM00000002429 XP_045170508.1 38.9 429
245 7 46 463 21 443 6.80E-78 299.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002431 6596 136.3 UdeM00000002431 XP_045171296.1 69 100
28 1 96 195 79 175 4.00E-29 136.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002432 6579 374.8 UdeM00000002432 XP_033733929.1 75.3 267
59 6 1 265 1 262 9.20E-101 374.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002433 6596 98.6 UdeM00000002433 XP_045187959.1 27.1 247
162 6 8 244 8 246 1.20E-17 98.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002434 29159 593.2 UdeM00000002434 XP_034325680.1 69.3 384
111 2 1 384 1 377 2.40E-166 593.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000002435 35525 164.1 UdeM00000002435 XP_032798050.1 49.3 142
72 0 11 152 9 150 1.40E-37 164.1 35525 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Bra

nchiopoda; Phyllopora; Diplostraca; Cladocera; Anomopoda; Daphniidae; Daphnia; Daphnia magna

UdeM00000002436 7574 93.2 UdeM00000002436 XP_013385473.1 51.1 90
44 0 22 111 117 206 5.20E-16 93.2 7574 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM000000044358 225164 81.3 UdeM000000044358 XP_009046376.1 47.7
88 45 1 15 102 127 213 9.30E-13 81.3 225164
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM000000017459 6596 346.3 UdeM000000017459 XP_045183440.1 50.4 353
169 4 45 395 32 380 6.50E-92 346.3 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM000000017460 6579 635.2 UdeM000000017460 XP_033736936.1 54.3 619
75 2 3 602 2 431 8.50E-179 635.2 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM000000017461 6596 270.4 UdeM000000017461 XP_045156936.1 59.4 224
85 2 11 234 8 225 2.50E-69 270.4 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM000000017462 1735272 1451.8 UdeM000000017462 XP_041357930.1
71.3 975 276 4 20 992 39 1011 0.00E+00 1451.8
1735272 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM000000017463 6579 337.4 UdeM000000017463 XP_033736872.1 61.7 261
88 3 1 255 1 255 1.60E-89 337.4 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM000000017464 6579 335.9 UdeM000000017464 XP_033736872.1 62.3 257
89 3 1 251 1 255 4.50E-89 335.9 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM000000017465 6573 187.2 UdeM000000017465 XP_021342315.1 63.8 279
83 5 11 274 249 524 2.80E-44 187.2 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM000000017466 6596 280.8 UdeM000000017466 XP_045156937.1 68.4 190
58 1 137 324 113 302 3.10E-72 280.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017467	225164	619.8	UdeM00000017467	XP_009056744.1	79.1				
402	83	1	1	402	1	401	2.50E-174	619.8	225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000017468	6596	3793	UdeM00000017468	XP_045157325.1	49.3	3643			
1652	33	24	3564	28	3578	0.00E+00	3793	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017469	6596	2045	UdeM00000017469	XP_045157325.1	44.5	2124			
1033	15	7	2048	1518	3578	0.00E+00	2045	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017470	6596	124	UdeM00000017470	XP_045159299.1	31.2	218			
131	7	1	210	36	242	2.30E-25	124	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017471	6596	1261.5	UdeM00000017471	XP_045159913.1	68.4				
922	283	7	1	918	1	918	0.00E+00	1261.5	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017472	6596	417.5	UdeM00000017472	XP_045159910.1	69.9	296			
86	2	1	295	633	926	1.40E-113	417.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017473	6596	221.1	UdeM00000017473	XP_045159888.1	35.3	380			
224	8	37	401	62	434	2.80E-54	221.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017474	6596	209.5	UdeM00000017474	XP_045159888.1	35.3	351			
206	7	4	339	90	434	7.30E-51	209.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017475	6596	1386.7	UdeM00000017475	XP_045160514.1	63.5				
1089	377	6	1	1083	1	1074	0.00E+00	1386.7	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017476 50429 177.2 UdeM00000017476 XP_022790694.1 79 105
22 0 1 105 1 105 1.10E-41 177.2 50429 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata
UdeM00000017477 6596 188 UdeM00000017477 XP_045157762.1 63.4 131
48 0 1 131 13 143 9.40E-45 188 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017478 6596 124.4 UdeM00000017478 XP_045157763.1 55.7 106
46 1 4 109 7 111 9.20E-26 124.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017479 6596 185.7 UdeM00000017479 XP_045196479.1 48.1 185
95 1 105 289 31 214 8.60E-44 185.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017480 6596 289.3 UdeM00000017480 XP_045156554.1 34.8 492
260 11 5 440 1259 1745 8.40E-75 289.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017481 6596 247.7 UdeM00000017481 XP_045161023.1 47.8 270
137 2 11 280 12 277 2.40E-62 247.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017482 6596 358.2 UdeM00000017482 XP_045161023.1 30.9 794
398 16 7 789 372 1025 2.90E-95 358.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017483 6412 80.1 UdeM00000017483 XP_009009863.1 43.5 92
52 0 3 94 17 108 1.80E-12 80.1 6412 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
ssiphoniidae;Helobdella;Helobdella robusta
UdeM00000017484 6412 80.1 UdeM00000017484 XP_009009863.1 43.5 92
52 0 35 126 17 108 2.30E-12 80.1 6412 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000017494 50390 365.5 UdeM00000017494 XP_028142380.1 61 241
94 0 2 242 77 317 5.10E-98 365.5 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000017495 50390 341.7 UdeM00000017495 XP_028142380.1 59.7 236
95 0 7 242 82 317 8.00E-91 341.7 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000017496 6579 92.4 UdeM00000017496 XP_033729303.1 67.8 59
19 0 1 59 1 59 2.30E-16 92.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017497 6573 290 UdeM00000017497 XP_021362623.1 43 351
152 1 2 304 4 354 3.60E-75 290 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017498 225164 104.8 UdeM00000017498 XP_009043758.1 40.5
116 68 1 6 121 25 139 8.80E-20 104.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000017499 6596 396.4 UdeM00000017499 XP_045167892.1 50.9 385
187 2 24 407 5 388 6.00E-107 396.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017501 6412 88.6 UdeM00000017501 XP_009017867.1 38.6 132
51 2 1 102 302 433 6.70E-15 88.6 6412 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;Helobdella;Helobdella robusta

UdeM00000017503 6596 189.9 UdeM00000017503 XP_045158593.1 61.6 151
58 0 186 336 301 451 5.40E-45 189.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017502 6596 679.9 UdeM00000017502 XP_045158593.1 73 452
121 1 1 452 1 451 2.30E-192 679.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017505 6596 1156.4 UdeM00000017505 XP_045160921.1 43.8
1334 730 14 1 1323 1 1325 0.00E+00 1156.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017504 6596 2770.7 UdeM00000017504 XP_045160921.1 35.4
4464 2606 62 1 4308 1 4343 0.00E+00 2770.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017506 6596 528.1 UdeM00000017506 XP_045158043.1 45.6 618
325 7 386 998 170 781 2.40E-146 528.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017507 6596 397.5 UdeM00000017507 XP_045160921.1 33.9 670
310 10 11 561 3688 4343 2.80E-107 397.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017508 6596 438.3 UdeM00000017508 XP_045158018.1 33 903
499 25 68 894 386 1258 2.30E-119 438.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017509 6596 483.4 UdeM00000017509 XP_045160921.1 33.9 823
528 8 1 814 1227 2042 5.70E-133 483.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017510 6596 781.6 UdeM00000017510 XP_045160921.1 32.7 1387
800 16 2 1279 2971 4332 1.60E-222 781.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017511 6596 398.7 UdeM00000017511 XP_045158043.1 49.2 419
209 3 4 421 366 781 9.40E-108 398.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017512 6596 545 UdeM00000017512 XP_045158018.1 36.7 878
516 14 21 879 402 1258 1.70E-151 545 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017513 29159 67 UdeM00000017513 XP_034315266.1 47.6 63
33 0 26 88 237 299 4.70E-08 67 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017514 7955 204.5 UdeM00000017514 XP_021326643.1 58.5 164
68 0 9 172 314 477 1.10E-49 204.5 7955 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinidae;Danionidae;Danioninae;Danio;Danio rerio

UdeM00000017515 8040 110.5 UdeM00000017515 XP_038831415.1 37.7 231
113 11 10 234 28 233 8.60E-21 110.5 8040 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Protacanthopterygii;Salmoniformes;Salmonidae;Salmoninae;Salvelinus;Salvelinus namaycush

UdeM00000017516 6565 574.7 UdeM00000017516 XP_022315266.1 46.9 635
310 7 6 624 516 1139 1.40E-160 574.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017517 6596 117.9 UdeM00000017517 XP_045158017.1 54.8 104
46 1 71 174 707 809 1.30E-23 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017518 29159 161.4 UdeM00000017518 XP_034311971.1 43.3 215
91 5 11 218 1227 1417 1.50E-36 161.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017519 6596 65.5 UdeM00000017519 XP_045198771.1 30.1 136
71 6 137 272 4964 5075 1.20E-07 65.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017520 6565 487.3 UdeM00000017520 XP_022315266.1 51 496
226 8 71 559 654 1139 2.70E-134 487.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000017522 10224 98.6 UdeM00000017522 XP_006823355.1 34.6 240
121 8 33 260 84 299 1.30E-17 98.6 10224 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus
kowalevskii
UdeM00000017523 6565 574.7 UdeM00000017523 XP_022315266.1 45.1 685
338 10 6 671 474 1139 1.50E-160 574.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000017525 29159 72 UdeM00000017525 XP_034337190.1 27.8 306
164 12 1 280 1 275 2.10E-09 72 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000017526 6596 128.6 UdeM00000017526 XP_045185859.1 56.7 104
33 1 73 164 83 186 7.10E-27 128.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eueh
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000017527 6596 121.7 UdeM00000017527 XP_045215628.1 31.4 258
115 7 3 249 122 328 1.30E-24 121.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eueh
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000017529 6596 170.6 UdeM00000017529 XP_045158040.1 47.1 189
96 3 126 311 747 934 3.20E-39 170.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eueh
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000017530 1232801 109.8 UdeM00000017530 XP_043216604.1 39.2
166 95 2 101 261 439 603 7.40E-21 109.8 1232801
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Mul
ticrustacea; Hexanauplia; Thecostraca; Cirripedia; Thoracica; Sessilia; Balanid
ae; Amphibalanus; Amphibalanus amphitrite
UdeM00000017531 29139 172.2 UdeM00000017531 XP_027722928.1 36.2 279
124 4 440 673 831 1100 2.40E-39 172.2 29139 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc
opterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Mammalia; Theria; Metather
ia; Diprotodontia; Vombatidae; Vombatus; Vombatus ursinus
UdeM00000017532 7654 136.3 UdeM00000017532 XP_041475001.1 28.8 299
188 10 22 318 1975 2250 6.70E-29 136.3 7654 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea;
Temnopleuroidea; Toxopneustidae; Lytechinus; Lytechinus variegatus

UdeM00000017533 7957 72.4 UdeM00000017533 XP_026107689.1 36.4 143
 68 6 2 131 138 270 6.30E-10 72.4 7957 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 ideii;Cyprinidae;Cyprininae;Carassius;Carassius auratus
 UdeM00000017535 1735272 100.1 UdeM00000017535 XP_041379412.1 34.2
 161 98 2 88 247 16 169 7.10E-18 100.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017536 7539 172.2 UdeM00000017536 XP_023028017.1 46.5 187
 87 4 1 175 195 380 9.50E-40 172.2 7539 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Chrysomelinae;Doryphorini;Leptinota
 rsa;Leptinotarsa decemlineata
 UdeM00000017537 7668 233.4 UdeM00000017537 XP_030852255.1 28.5 691
 317 19 877 1413 62 729 1.80E-57 233.4 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000017538 7668 238.4 UdeM00000017538 XP_030852255.1 29.3 693
 357 21 877 1461 62 729 5.70E-59 238.4 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000017539 29159 730.7 UdeM00000017539 XP_034311971.1 32.5 1593
 916 44 78 1622 79 1559 4.00E-207 730.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017540 6596 171.8 UdeM00000017540 XP_045158017.1 42.5 181
 104 0 1 181 1093 1273 8.20E-40 171.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017541 29159 60.1 UdeM00000017541 XP_034320912.1 42.1 57
 33 0 74 130 446 502 2.60E-06 60.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017543 8040 120.6 UdeM00000017543 XP_038831799.1 31.9 317
 171 13 12 311 5 293 9.00E-24 120.6 8040 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce

phala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salmoninae;Salvelinus;Salvelinus namaycush

UdeM00000017544 7741 184.1 UdeM00000017544 XP_019626709.1 28.1 441
277 19 331 766 1909 2314 7.70E-43 184.1 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000017545 6579 92.8 UdeM00000017545 XP_033738099.1 43.5 124
35 1 1 89 167 290 2.50E-16 92.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017546 37621 73.9 UdeM00000017546 XP_014675482.1 40.6 96
57 0 3 98 11 106 1.20E-10 73.9 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000017547 29159 63.5 UdeM00000017547 XP_034320912.1 52.6 57
24 1 59 112 9 65 2.20E-07 63.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017548 29159 83.2 UdeM00000017548 XP_034317031.1 34 153
85 4 25 169 90 234 3.70E-13 83.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017551 6565 577.8 UdeM00000017551 XP_022315266.1 45.8 671
329 9 182 828 480 1139 2.20E-161 577.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017552 6565 451.8 UdeM00000017552 XP_022315266.1 48.9 474
224 6 1 467 677 1139 1.00E-123 451.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017553 37621 69.3 UdeM00000017553 XP_014675482.1 43.4 76
43 0 5 80 24 99 2.50E-09 69.3 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000017554 7741 119 UdeM00000017554 XP_019616118.1 33.2 310
169 13 32 327 31 316 1.40E-23 119 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000017555 6596 195.3 UdeM00000017555 XP_045158040.1 53 183
85 1 90 272 752 933 1.00E-46 195.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017556 6565 351.3 UdeM00000017556 XP_022315266.1 49.7 370
 178 4 1 363 771 1139 1.50E-93 351.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017557 6565 98.2 UdeM00000017557 XP_022314153.1 27.9 287
 184 11 92 377 112 376 2.40E-17 98.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017559 6565 550.8 UdeM00000017559 XP_022315266.1 45.7 656
 333 8 10 653 475 1119 2.40E-153 550.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017558 6565 580.1 UdeM00000017558 XP_022315266.1 46.2 676
 341 8 10 673 475 1139 3.70E-162 580.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017560 6596 242.3 UdeM00000017560 XP_045159715.1 39.5 324
 112 2 5 283 56 340 7.60E-61 242.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017561 6596 105.1 UdeM00000017561 XP_045159715.1 49 102
 51 1 1 102 334 434 6.50E-20 105.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017562 7111 102.4 UdeM00000017562 XP_026739920.1 68.4 76
 23 1 21 96 192 266 3.30E-19 102.4 7111 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;N
 octuidae;Plusiinae;Trichoplusia;Trichoplusia ni
 UdeM00000017563 6596 440.3 UdeM00000017563 XP_045159715.1 48.6 455
 197 7 12 431 27 479 3.00E-120 440.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017564 6596 439.1 UdeM00000017564 XP_045159715.1 49.9 441
 183 7 33 438 27 464 6.60E-120 439.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017565 6596 259.6 UdeM00000017565 XP_045159715.1 42.1 323
 126 4 4 266 158 479 4.50E-66 259.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017566 6596 193.4 UdeM00000017566 XP_045159715.1 34.8 362
150 7 33 339 27 357 5.00E-46 193.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017567 6596 625.9 UdeM00000017567 XP_045159715.1 57.3 494
204 3 12 505 5 491 4.40E-176 625.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017568 6565 199.5 UdeM00000017568 XP_022313159.1 60 165
61 2 34 198 33 192 4.50E-48 199.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017569 6565 125.2 UdeM00000017569 XP_022313159.1 60.2 93
35 1 34 126 33 123 7.30E-26 125.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017570 6579 1067.4 UdeM00000017570 XP_033738010.1 43.5
1628 731 45 44 1611 31 1529 0.00E+00 1067.4 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017571 6596 302 UdeM00000017571 XP_045157851.1 68.5 197
62 0 13 209 75 271 6.00E-79 302 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017572 1735272 355.9 UdeM00000017572 XP_041359881.1 49
339 170 2 38 376 43 378 6.30E-95 355.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017573 6596 577.4 UdeM00000017573 XP_045159955.1 47.7 894
376 26 1 839 1 857 2.90E-161 577.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017574 6596 676 UdeM00000017574 XP_045157288.1 39.8 1162
509 20 109 1202 488 1526 8.80E-191 676 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017574 6596 72.8 UdeM00000017574 XP_045157288.1 39 105
 61 2 8 110 6 109 3.40E-09 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017575 6565 60.1 UdeM00000017575 XP_022299727.1 43.8 73
 41 0 1 73 261 333 1.40E-06 60.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017576 6565 170.6 UdeM00000017576 XP_022299727.1 46.5 187
 98 1 1 185 46 232 1.80E-39 170.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017582 6596 357.8 UdeM00000017582 XP_045159209.1 34.1 648
 371 14 2 639 9 610 3.00E-95 357.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017583 6596 348.6 UdeM00000017583 XP_045159209.1 34.8 584
 338 11 66 635 39 593 1.80E-92 348.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017584 6596 257.3 UdeM00000017584 XP_045157350.1 37.2 355
 205 3 28 377 208 549 3.50E-65 257.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017585 6596 334 UdeM00000017585 XP_045159209.1 33.1 634
 362 16 8 628 9 593 4.60E-88 334 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017586 6596 141.7 UdeM00000017586 XP_045157350.1 44.3 167
 88 2 3 165 402 567 1.10E-30 141.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017590 6596 668.7 UdeM00000017590 XP_045160747.1 60.5 622
 203 10 1 607 1 594 9.90E-189 668.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017591 1735272 120.6 UdeM00000017591 XP_041378637.1 52.4
 105 46 3 1 103 1 103 1.80E-24 120.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017592 6573 570.1 UdeM00000017592 XP_021341588.1 67.6 414
 130 4 1 410 1 414 2.30E-159 570.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017593 1735272 174.9 UdeM00000017593 XP_041357338.1 88.2
 85 10 0 1 85 1 85 4.50E-41 174.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017594 6579 284.3 UdeM00000017594 XP_033738196.1 58 262
 97 5 14 262 11 272 1.70E-73 284.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017595 6565 278.5 UdeM00000017595 XP_022317859.1 54.3 278
 123 3 1 277 1 275 9.40E-72 278.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017596 6596 237.3 UdeM00000017596 XP_045161039.1 47.2 409
 161 13 1 374 1 389 3.20E-59 237.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017597 6596 210.3 UdeM00000017597 XP_045160237.1 42.5 322
 140 10 1 282 1 317 3.30E-51 210.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017598 6579 305.1 UdeM00000017598 XP_033737565.1 88.8 169
 19 0 1 169 1 169 5.80E-80 305.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017599 6596 1956.4 UdeM00000017599 XP_045158607.1 67.4
 1445 365 6 3 1445 5 1345 0.00E+00 1956.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017600 6596 68.2 UdeM00000017600 XP_045159484.1 33.6 119
 74 1 12 125 22 140 1.00E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017601 6596 68.9 UdeM00000017601 XP_045159484.1 31 142
92 2 12 147 22 163 6.90E-09 68.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017602 6596 274.6 UdeM00000017602 XP_045159135.1 73 174
46 1 1 174 121 293 8.70E-71 274.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017603 6596 1448.7 UdeM00000017603 XP_045159134.1 83.2
1207 199 2 1 1206 1 1204 0.00E+00 1448.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017604 6596 1325.1 UdeM00000017604 XP_045159134.1 73.7
1211 307 6 1 1207 1 1204 0.00E+00 1325.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017605 400727 462.6 UdeM00000017605 XP_025110127.1 72.7
304 81 2 1 303 13 315 3.80E-127 462.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000017607 6579 302.8 UdeM00000017607 XP_033754779.1 31.8 625
387 17 583 1176 618 1234 3.00E-78 302.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017608 6579 302.8 UdeM00000017608 XP_033754779.1 31.8 625
387 17 73 666 618 1234 2.10E-78 302.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017610 29159 282.7 UdeM00000017610 XP_011424167.2 25.8 1069
679 38 28 1033 229 1246 2.60E-72 282.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017611 29159 273.5 UdeM00000017611 XP_011424167.2 25.7 1081
677 40 210 1227 229 1246 1.90E-69 273.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017612 29159 280 UdeM00000017612 XP_011424167.2 26.1 1070
675 40 210 1215 229 1246 2.00E-71 280 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017625 6596 103.2 UdeM00000017625 XP_045160009.1 35.9 251
84 8 78 282 216 435 5.50E-19 103.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017626 6596 104.8 UdeM00000017626 XP_045160009.1 39.1 243
87 9 100 304 216 435 2.00E-19 104.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017627 6596 104 UdeM00000017627 XP_045160009.1 37.5 224
58 6 113 258 216 435 3.00E-19 104 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017628 6596 103.6 UdeM00000017628 XP_045160009.1 37.5 224
58 6 113 258 216 435 3.90E-19 103.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017629 6596 103.6 UdeM00000017629 XP_045160009.1 37.5 224
58 6 100 245 216 435 3.70E-19 103.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017630 6596 103.6 UdeM00000017630 XP_045160007.1 36.4 264
106 8 100 304 216 476 4.50E-19 103.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017631 6596 114.4 UdeM00000017631 XP_045166601.1 38.4 138
84 1 22 158 606 743 1.70E-22 114.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017633 6596 118.6 UdeM00000017633 XP_045166601.1 39.9 138
82 1 22 158 606 743 9.00E-24 118.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017635 6596 145.2 UdeM00000017635 XP_045166601.1 32.9 298
186 5 14 306 455 743 1.40E-31 145.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017639 6596 102.1 UdeM00000017639 XP_045160926.1 38.2 123
69 2 1 118 88 208 5.40E-19 102.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017641 211228 109.4 UdeM00000017641 XP_015592873.1 47.4
137 53 2 5 122 402 538 4.20E-21 109.4 211228
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Cephoidea;Cephalidae;Cephus;Cephus cinctus

UdeM00000017640 7574 351.7 UdeM00000017640 XP_013384168.1 57.2 332
130 2 9 328 172 503 1.10E-93 351.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000017642 6596 84.3 UdeM00000017642 XP_045158358.1 52.6 97
23 3 1 97 1 74 1.10E-13 84.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017643 6579 3758 UdeM00000017643 XP_033738042.1 42.1 5106
2508 54 24 4870 163 5078 0.00E+00 3758 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017644 6573 4539.2 UdeM00000017644 XP_021343547.1 46.4
5586 2720 57 213 5704 11665 17068 0.00E+00 4539.2 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017645 1735272 243.8 UdeM00000017645 XP_041367293.1 52.4
252 109 3 1 252 140 380 2.30E-61 243.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017646 1735272 389.8 UdeM00000017646 XP_041367293.1 54
391 166 4 1 388 1 380 4.00E-105 389.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017647 1735272 288.9 UdeM00000017647 XP_041359971.1 54.5
264 113 2 23 285 49 306 1.10E-74 288.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017648 1735272 162.5 UdeM00000017648 XP_041359971.1 43.3
194 103 2 1 193 119 306 9.80E-37 162.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017649 6596 148.3 UdeM00000017649 XP_045159583.1 83.7 86
13 1 1 86 1 85 4.70E-33 148.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017650 6596 189.9 UdeM00000017650 XP_045159583.1 87.6 105
12 1 1 105 1 104 1.70E-45 189.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017651 1735272 631.7 UdeM00000017651 XP_041357151.1 61.2
513 135 2 1 453 65 573 8.00E-178 631.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017652 6526 484.2 UdeM00000017652 XP_013072407.1 67.9 361
110 2 31 389 27 383 1.60E-133 484.2 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata

UdeM00000017653 6565 753.8 UdeM00000017653 XP_022317800.1 54.5 701
272 5 1 694 1 661 1.90E-214 753.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017655 6596 540.4 UdeM00000017655 XP_045159570.1 73.4 372
98 1 51 421 63 434 2.50E-150 540.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017657 6579 195.3 UdeM00000017657 XP_033741736.1 52.4 187
87 1 1 185 671 857 7.60E-47 195.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017656 6579 617.5 UdeM00000017656 XP_033741736.1 57.2 516
 219 1 55 568 342 857 1.80E-173 617.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017658 6596 406.8 UdeM00000017658 XP_045157994.1 59.7 325
 127 2 7 327 31 355 2.70E-110 406.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017661 2607531 288.9 UdeM00000017661 XP_029657406.1 57.2
 250 107 0 1 250 1 250 7.80E-75 288.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000017662 29159 261.9 UdeM00000017662 XP_011456257.1 88.8 143
 9 1 4 146 2 137 4.80E-67 261.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017663 6579 422.9 UdeM00000017663 XP_033736893.1 38.7 710
 387 15 11 680 10 711 7.50E-115 422.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017664 6565 341.7 UdeM00000017664 XP_022328252.1 49.7 364
 164 5 1 346 953 1315 1.10E-90 341.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017665 6565 156.4 UdeM00000017665 XP_022328252.1 43.1 211
 102 4 1 193 1105 1315 3.70E-35 156.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017666 6596 372.9 UdeM00000017666 XP_045157484.1 47.3 490
 222 14 13 485 9 479 6.40E-100 372.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017667 6596 423.3 UdeM00000017667 XP_045159715.1 52.5 402
 168 4 2 381 64 464 3.20E-115 423.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017668 6596 443.4 UdeM00000017668 XP_045159715.1 49.9 439
 194 4 77 490 27 464 3.90E-121 443.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017669 6596 419.9 UdeM00000017669 XP_045159715.1 51.5 402
 172 4 2 381 64 464 3.60E-114 419.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017670 6596 364 UdeM00000017670 XP_045159715.1 55.6 313
 127 2 2 302 64 376 1.90E-97 364 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017671 6596 288.5 UdeM00000017671 XP_045160010.1 57 474
 149 17 1 460 1 433 1.50E-74 288.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017672 7739 70.9 UdeM00000017672 XP_035660271.1 38.2 76
 47 0 319 394 169 244 6.20E-09 70.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000017673 6596 344 UdeM00000017673 XP_045158477.1 53.3 349
 148 5 22 365 74 412 3.00E-91 344 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017675 6565 460.3 UdeM00000017675 XP_022306197.1 42.3 685
 276 12 9 592 16 682 3.70E-126 460.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017676 6573 610.5 UdeM00000017676 XP_021343621.1 38.8 876
 499 14 1 866 1 849 4.60E-171 610.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017677 6565 194.1 UdeM00000017677 XP_022315817.1 49.7 187
 88 2 17 203 3 183 1.70E-46 194.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017678 6573 914.4 UdeM00000017678 XP_021343545.1 23 4241
 2599 111 2 3979 203 4039 4.80E-262 914.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017679 6573 1061.2 UdeM00000017679 XP_021343545.1 24.1
 4406 2685 111 46 4162 2 4039 3.30E-306 1061.2 6573
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017680 6596 621.3 UdeM00000017680 XP_045157820.1 47.8 768
349 15 19 764 124 861 1.60E-174 621.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017681 6596 1004.2 UdeM00000017681 XP_045159291.1 75.1
702 158 8 13 708 20 710 8.30E-290 1004.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017682 6596 318.5 UdeM00000017682 XP_045191221.1 41.2 422
232 4 10 430 9 415 1.30E-83 318.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017684 6596 266.5 UdeM00000017684 XP_045191221.1 36.9 420
209 5 11 388 10 415 5.20E-68 266.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017685 6596 342.8 UdeM00000017685 XP_045191221.1 42.6 423
228 4 8 429 7 415 6.30E-91 342.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017686 6596 351.7 UdeM00000017686 XP_045191221.1 42.7 424
226 4 8 429 7 415 1.40E-93 351.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017687 72036 405.6 UdeM00000017687 XP_040576246.1 45.6 463
240 7 12 470 8 462 8.60E-110 405.6 72036 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;Caligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000017688 6596 286.2 UdeM00000017688 XP_045158718.1 30.6 843
544 23 125 948 75 895 1.50E-73 286.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017689 29159 622.9 UdeM00000017689 XP_011445222.2 44.5 868
468 3 76 929 45 912 6.90E-175 622.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000017690 6596 417.2 UdeM00000017690 XP_045159294.1 35.1 1103
555 37 12 1052 125 1128 6.40E-113 417.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000017691 400727 602.1 UdeM00000017691 XP_025110485.1 75.3
385 94 1 4 388 59 442 5.20E-169 602.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl

UdeM00000017692 29159 515.4 UdeM00000017692 XP_011426851.2 63 384
142 0 4 387 43 426 6.40E-143 515.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000017693 6596 60.5 UdeM00000017693 XP_045160107.1 27.8 187
116 6 231 399 240 425 5.80E-06 60.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000017694 6596 191.8 UdeM00000017694 XP_045158316.1 56.5 138
58 2 579 715 175 311 3.00E-45 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000017695 6596 70.1 UdeM00000017695 XP_045195103.1 35.4 96
57 1 24 119 41 131 5.90E-09 70.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000017696 6579 60.8 UdeM00000017696 XP_033745075.1 38.2 76
47 0 3 78 41 116 3.10E-06 60.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect

UdeM00000017697 6596 168.3 UdeM00000017697 XP_045160724.1 40.9 230
132 2 1 226 82 311 2.00E-38 168.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000017698 6596 191.8 UdeM00000017698 XP_045160724.1 37.4 289
171 3 21 299 23 311 2.00E-45 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017699	205130	84.3	UdeM00000017699	XP_026180020.1	44				
84	47	0	2	85	200	283	$8.40E-14$	84.3	205130

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Anabantaria;Synbranchiformes;Mastacembeloidei;Mastacembelidae;Mastacembelus;Mastacembelus armatus

UdeM00000017700	6596	170.6	UdeM00000017700	XP_045160724.1	39.3	242			
143	2	2	239	68	309	$3.90E-39$	170.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017701	6596	190.3	UdeM00000017701	XP_045160724.1	37.3	284			
168	3	23	296	23	306	$5.70E-45$	190.3	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017702	6596	170.2	UdeM00000017702	XP_045160724.1	39.7	242			
142	2	2	239	68	309	$5.10E-39$	170.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017704	6596	191	UdeM00000017704	XP_045160724.1	38.9	303			
168	5	7	299	14	309	$3.20E-45$	191	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017706	6596	156	UdeM00000017706	XP_045195103.1	33.2	250			
159	3	27	273	41	285	$7.70E-35$	156	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017708	6596	189.1	UdeM00000017708	XP_045195103.1	35.9	287			
176	3	26	309	41	322	$1.20E-44$	189.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017709	6596	183	UdeM00000017709	XP_045215023.1	34.5	307			
193	3	3	301	1	307	$8.80E-43$	183	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017710 6573 172.2 UdeM00000017710 XP_021378843.1 63.3 128
 47 0 38 165 343 470 5.60E-40 172.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017711 45264 99.8 UdeM00000017711 XP_044168061.1 32.3 192
 109 5 1 172 1 191 4.20E-18 99.8 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000017712 37621 95.9 UdeM00000017712 XP_014675882.1 54.5 88
 39 1 10 97 165 251 3.50E-17 95.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000017713 283035 118.2 UdeM00000017713 XP_031143187.1 34.3
 201 103 4 1 172 326 526 1.00E-23 118.2 283035
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Percoide
 i;Percidae;Luciopercinae;Sander;Sander lucioperca
 UdeM00000017714 6596 187.6 UdeM00000017714 XP_045158401.1 53 200
 88 5 2 196 43 241 1.60E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017715 1735272 107.1 UdeM00000017715 XP_041378840.1 67.6
 74 24 0 1 74 10 83 1.10E-20 107.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017716 1735272 121.7 UdeM00000017716 XP_041347065.1 44.1
 143 49 2 1 112 1 143 6.90E-25 121.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017717 586833 195.7 UdeM00000017717 XP_029935345.1 51.8
 197 74 3 1 187 1 186 5.40E-47 195.7 586833
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Holocentrimorphaceae;Holocentriformes;Holocentr
 idae;Myripristinae;Myripristis;Myripristis murdjan
 UdeM00000017718 586833 357.8 UdeM00000017718 XP_029935345.1 59.5
 291 95 5 1 280 1 279 1.40E-95 357.8 586833
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Holocentrimorphaceae;Holocentriformes;Holocentr
idae;Myripristinae;Myripristis;Myripristis murdjan

UdeM00000017719 6596 180.6 UdeM00000017719 XP_045158429.1 71.1 114
29 1 7 120 44 153 1.20E-42 180.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017720 6596 216.5 UdeM00000017720 XP_045158428.1 49.8 319
147 3 36 354 419 724 5.80E-53 216.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017721 6596 375.2 UdeM00000017721 XP_045158428.1 34.6 687
330 13 36 614 49 724 1.70E-100 375.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017722 6596 421.4 UdeM00000017722 XP_045158428.1 40.1 684
337 12 36 654 49 724 2.10E-114 421.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017723 6565 365.9 UdeM00000017723 XP_022313293.1 56.9 371
134 5 16 364 20 386 6.10E-98 365.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017724 6596 139.8 UdeM00000017724 XP_045159621.1 50.4 137
64 2 17 153 47 179 2.90E-30 139.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017725 6596 71.2 UdeM00000017725 XP_045215232.1 50 56
27 1 4 59 7 61 2.10E-09 71.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017726 37653 787.3 UdeM00000017726 XP_014786406.1 90.5 422
40 0 1 422 1 422 9.40E-225 787.3 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000017731 6579 959.1 UdeM00000017731 XP_033739671.1 73.6 656
166 5 1 654 1 651 2.80E-276 959.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017732 6596 892.9 UdeM00000017732 XP_045158360.1 62.7 699
228 6 1 694 1 671 2.60E-256 892.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017733 6573 710.7 UdeM00000017733 XP_021343536.1 66 694
177 20 3 658 9 681 1.90E-201 710.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017734 6579 57.8 UdeM00000017734 XP_033738040.1 80.8 26
5 0 1 26 3 28 9.00E-06 57.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017738 6596 294.7 UdeM00000017738 XP_045200312.1 32.2 656
382 19 1 618 1 631 2.80E-76 294.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017740 225164 274.2 UdeM00000017740 XP_009043971.1 37.5
429 229 5 132 529 133 553 3.50E-70 274.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000017741 6596 820.8 UdeM00000017741 XP_045209202.1 35.9 1371
810 39 385 1718 639 1977 3.10E-234 820.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017742 6596 231.5 UdeM00000017742 XP_045184507.1 31.4 487
275 9 2 432 823 1306 2.80E-57 231.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017743 6596 1123.6 UdeM00000017743 XP_045189898.1 34.4
1916 1084 42 409 2272 316 2110 0.00E+00 1123.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017745 6573 219.5 UdeM00000017745 XP_021360451.1 43.4 256
140 3 2 256 52 303 5.20E-54 219.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017746 6596 581.3 UdeM00000017746 XP_045160659.1 51 577
 280 2 11 585 10 585 1.40E-162 581.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017747 6573 89.4 UdeM00000017747 XP_021379819.1 69.1 55
 17 0 1 55 129 183 3.10E-15 89.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017748 6579 99.4 UdeM00000017748 XP_033741063.1 62 71
 27 0 1 71 129 199 2.10E-18 99.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017749 6573 240 UdeM00000017749 XP_021360451.1 43.5 283
 157 2 129 410 29 309 5.70E-60 240 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017750 29159 72.4 UdeM00000017750 XP_034331441.1 38.5 117
 69 3 1 117 1 114 6.00E-10 72.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017751 6573 229.6 UdeM00000017751 XP_021360451.1 40.9 291
 169 3 23 310 41 331 5.60E-57 229.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017752 37653 261.9 UdeM00000017752 XP_014767739.1 51.7 269
 119 3 38 301 42 304 9.80E-67 261.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000017753 6579 245.4 UdeM00000017753 XP_033737257.1 99.2 119
 1 0 1 119 1 119 3.80E-62 245.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017754 6596 1442.6 UdeM00000017754 XP_045158536.1 66.2
 1080 257 5 1 1051 1 1001 0.00E+00 1442.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017755 6596 307.4 UdeM00000017755 XP_045158346.1 41 512
 228 12 8 490 2 468 3.30E-80 307.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017756 1735272 424.1 UdeM00000017756 XP_041358878.1 57.1
333 142 1 1 332 1 333 1.70E-115 424.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017757 6573 1067 UdeM00000017757 XP_021343628.1 40 1409
802 19 1 1397 44 1420 0.00E+00 1067 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017758 6573 264.2 UdeM00000017758 XP_021378853.1 74.1 158
41 0 1 158 1 158 1.10E-67 264.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034223 6596 248.4 UdeM00000034223 XP_045177916.1 49.6 242
117 4 101 339 417 656 1.30E-62 248.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034226 6596 182.2 UdeM00000034226 XP_045192683.1 44.5 245
101 6 19 240 49 281 7.90E-43 182.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034227 6596 350.1 UdeM00000034227 XP_045212389.1 45.5 365
189 6 54 415 61 418 3.80E-93 350.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034229 6573 221.1 UdeM00000034229 XP_021377528.1 65.6 157
54 0 1 157 18 174 1.00E-54 221.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034230 6565 629 UdeM00000034230 XP_022328027.1 84.1 383
59 1 1 381 174 556 3.90E-177 629 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034231 6565 927.5 UdeM00000034231 XP_022328027.1 85.4 556
79 1 1 554 1 556 7.70E-267 927.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034232 6579 295.4 UdeM00000034232 XP_033727093.1 89.8 166
17 0 1 166 1 166 4.50E-77 295.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000034233 29159 330.9 UdeM00000034233 XP_034333743.1 52.6 331
97 1 2 332 24 294 1.90E-87 330.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000034235 6565 115.2 UdeM00000034235 XP_022299727.1 42.2 147
83 1 1 145 46 192 9.30E-23 115.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000034242 6565 281.2 UdeM00000034242 XP_022303385.1 44.9 303
155 7 29 322 547 846 1.70E-72 281.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000034243 6565 108.2 UdeM00000034243 XP_022321940.1 26 292
199 7 31 312 399 683 1.90E-20 108.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000027256 6596 409.8 UdeM00000027256 XP_045177776.1 39.4 589
319 10 1 577 405 967 9.90E-111 409.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027257 50390 464.5 UdeM00000027257 XP_028148951.1 59.3 327
132 1 1 326 466 792 1.10E-127 464.5 50390 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucujiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; Diabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera virgifera

UdeM00000027258 6596 421.4 UdeM00000027258 XP_045177776.1 41 564
317 10 60 615 396 951 2.70E-114 421.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027260 400727 199.9 UdeM00000027260 XP_025089735.1 81.9
127 23 0 61 187 287 413 3.40E-48 199.9 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000027261 400727 416 UdeM00000027261 XP_025089735.1 71.8
411 76 3 5 376 4 413 5.60E-113 416 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000027262 6573 267.3 UdeM00000027262 XP_021376048.1 82.7 150
 25 1 1 150 1 149 1.50E-68 267.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027263 1415580 163.7 UdeM00000027263 XP_030075314.1 44.9
 214 100 2 1 211 427 625 2.60E-37 163.7 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;
 Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;
 Microcaecilia unicolor
 UdeM00000027264 7757 451.1 UdeM00000027264 XP_032835197.1 79.3 280
 58 0 1 280 52 331 1.10E-123 451.1 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;
 Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000027265 260995 77.8 UdeM00000027265 XP_033812940.1 50
 74 36 1 1 74 1 73 8.60E-12 77.8 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;
 Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;
 Geotrypetes seraphini
 UdeM00000027266 6565 534.6 UdeM00000027266 XP_022338038.1 61.4 396
 152 1 1 396 1 395 1.00E-148 534.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027267 400727 196.1 UdeM00000027267 XP_025091055.1 59.2
 147 58 1 1 145 1 147 3.20E-47 196.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000027268 29159 98.2 UdeM00000027268 XP_034305547.1 35.9 153
 91 4 23 175 21 166 1.20E-17 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027269 29159 98.2 UdeM00000027269 XP_034305547.1 35.9 153
 91 4 176 328 21 166 2.20E-17 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027270 45264 353.2 UdeM00000027270 XP_044174360.1 39.4 490
 244 4 275 714 112 598 8.00E-94 353.2 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
 Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora
 UdeM00000027271 6596 148.3 UdeM00000027271 XP_045189228.1 33.3 312
 162 6 1 310 75 342 4.50E-32 148.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027273 6596 148.3 UdeM00000027273 XP_045189228.1 33.3 312
 162 6 1 310 75 342 3.40E-32 148.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027275 29159 332 UdeM00000027275 XP_011424619.1 62.2 283
 100 4 724 1005 129 405 2.90E-87 332 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027275 29159 217.2 UdeM00000027275 XP_011424619.1 78.3 129
 27 1 1 129 1 128 1.00E-52 217.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027276 6596 411.4 UdeM00000027276 XP_045182654.1 52.3 421
 181 10 1 415 11 417 1.40E-111 411.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027277 6596 422.2 UdeM00000027277 XP_045182654.1 52.6 420
 180 9 1 414 11 417 8.00E-115 422.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027278 6579 79 UdeM00000027278 XP_033726824.1 76.4 55
 12 1 216 270 267 320 1.10E-11 79 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027279 6596 1056.2 UdeM00000027279 XP_045182923.1 78
 695 130 9 1 679 251 938 1.80E-305 1056.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027280 6596 178.3 UdeM00000027280 XP_045182922.1 86 100
 14 0 1 100 848 947 4.80E-42 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027281 6596 552.7 UdeM00000027281 XP_045181173.1 70.8 397
 114 1 42 438 51 445 4.10E-154 552.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027282 400727 259.2 UdeM00000027282 XP_025092884.1 91.8
 134 11 0 1 134 1 134 3.30E-66 259.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000027283 7574 171.4 UdeM00000027283 XP_013405563.1 36.8 291
 147 6 1 288 122 378 1.70E-39 171.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;
 Lingulidae;Lingula;Lingula anatina
 UdeM00000027284 48498 587 UdeM00000027284 XP_020629946.1 38.1 885
 450 13 2 879 1050 1843 3.90E-164 587 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
 Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000027285 6579 201.8 UdeM00000027285 XP_033739209.1 48.6 214
 99 1 9 222 2 204 9.40E-49 201.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027286 6596 101.3 UdeM00000027286 XP_045183029.1 65.3 72
 23 1 1 72 149 218 5.40E-19 101.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000027287 29159 449.5 UdeM00000027287 XP_019926413.2 71.3 324
 85 4 1 324 292 607 4.10E-123 449.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027288 10224 142.9 UdeM00000027288 XP_006813844.1 43.9 164
 92 0 1 164 128 291 4.30E-31 142.9 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii
 UdeM00000027289 7668 116.3 UdeM00000027289 XP_030832292.1 36.1 191
 103 5 2 182 257 438 4.10E-23 116.3 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus
 purpuratus
 UdeM00000027290 7668 137.5 UdeM00000027290 XP_030839940.1 31 310
 178 10 2 307 90 367 3.30E-29 137.5 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus
 purpuratus
 UdeM00000027292 50390 558.9 UdeM00000027292 XP_028142380.1 57.1 413
 177 0 2 414 21 433 5.40E-156 558.9 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;
 Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D

iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000027293 7757 93.2 UdeM00000027293 XP_032835301.1 66.7 60
 20 0 2 61 1345 1404 1.70E-16 93.2 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000027294 7574 260.8 UdeM00000027294 XP_013382110.1 62.2 193
 73 0 14 206 45 237 1.50E-66 260.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000027295 7574 260.8 UdeM00000027295 XP_013382110.1 59.9 207
 77 1 1 207 37 237 1.50E-66 260.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000027296 150288 245 UdeM00000027296 XP_020788097.1 60.1
 168 67 0 2 169 392 559 8.30E-62 245 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000027297 400727 111.7 UdeM00000027297 XP_025108466.1 42.9
 170 85 3 2 171 305 462 9.50E-22 111.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000027298 10224 142.9 UdeM00000027298 XP_006813844.1 43.9 164
 92 0 1 164 128 291 4.30E-31 142.9 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000027299 50390 171.8 UdeM00000027299 XP_028148853.1 51.7 149
 60 1 1 137 243 391 6.70E-40 171.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000027300 150288 261.9 UdeM00000027300 XP_020788097.1 56
 200 88 0 2 201 383 582 6.60E-67 261.9 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000027302 13397 146.4 UdeM00000027302 XP_041069197.1 68.1 91
 29 0 2 92 166 256 1.90E-32 146.4 13397 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
 don;Carcharodon carcharias

UdeM00000027303 13397 146.4 UdeM00000027303 XP_041069197.1 68.1 91
 29 0 2 92 166 256 1.90E-32 146.4 13397 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
 don;Carcharodon carcharias

UdeM00000027304 6596 369.8 UdeM00000027304 XP_045156248.1 35 625
 288 9 4 541 7 600 6.00E-99 369.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027305 50390 579.7 UdeM00000027305 XP_028148951.1 58.8 430
 177 0 1 430 408 837 3.10E-162 579.7 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000027306 50390 567.8 UdeM00000027306 XP_028152723.1 59.1 411
 166 2 2 410 19 429 1.10E-158 567.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000027307 7739 71.2 UdeM00000027307 XP_035692545.1 27.5 222
 150 6 9 223 192 409 1.90E-09 71.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000027308 7668 119 UdeM00000027308 XP_030839940.1 32.2 258
 148 7 2 256 90 323 8.80E-24 119 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus

UdeM00000027309 225164 139.4 UdeM00000027309 XP_009064447.1 57.8
 102 43 0 2 103 829 930 2.60E-30 139.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000027310 29159 662.5 UdeM00000027310 XP_019926413.2 72.4 457
 118 4 1 457 153 601 4.00E-187 662.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
 eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000027311 50390 385.6 UdeM00000027311 XP_028148951.1 58.7 288
 119 0 1 288 522 809 5.70E-104 385.6 50390 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucu
 jiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; D
 iabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera
 virgifera
 UdeM00000027312 6596 137.1 UdeM00000027312 XP_045182680.1 59.3 118
 46 2 2 117 101 218 1.50E-29 137.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027313 6596 137.1 UdeM00000027313 XP_045182680.1 59.3 118
 46 2 2 117 101 218 1.50E-29 137.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027314 6596 96.3 UdeM00000027314 XP_045182680.1 60 85
 32 2 2 84 134 218 2.20E-17 96.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027315 6596 137.1 UdeM00000027315 XP_045182680.1 59.3 118
 46 2 2 117 101 218 1.50E-29 137.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027316 6596 137.1 UdeM00000027316 XP_045182680.1 59.3 118
 46 2 2 117 101 218 1.50E-29 137.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027317 6596 96.3 UdeM00000027317 XP_045182680.1 60 85
 32 2 2 84 134 218 2.20E-17 96.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027318 6596 136 UdeM00000027318 XP_045182680.1 59.3 118
 46 2 2 117 101 218 3.40E-29 136 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027320 50390 464.5 UdeM00000027320 XP_028148951.1 58 355
 148 1 1 355 483 836 1.20E-127 464.5 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000027321 50390 567.8 UdeM00000027321 XP_028152723.1 59.1 411
166 2 2 410 19 429 1.10E-158 567.8 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000027322 7739 71.2 UdeM00000027322 XP_035692545.1 27.5 222
150 6 9 223 192 409 1.90E-09 71.2 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000027323 7668 119 UdeM00000027323 XP_030839940.1 32.2 258
148 7 2 256 90 323 8.80E-24 119 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000027324 225164 139.4 UdeM00000027324 XP_009064447.1 57.8
102 43 0 2 103 829 930 2.60E-30 139.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000027325 37621 305.1 UdeM00000027325 XP_014672567.1 37.7 424
192 8 1 358 101 518 1.40E-79 305.1 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000027326 6596 288.9 UdeM00000027326 XP_045182680.1 67.6 213
67 2 7 217 8 220 5.60E-75 288.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027327 1735272 165.2 UdeM00000027327 XP_041361273.1 61.9
134 46 2 59 188 73 205 9.20E-38 165.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027328 6573 300.4 UdeM00000027328 XP_021356185.1 56.1 310
122 7 1 308 1 298 2.60E-78 300.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027330 6579 274.6 UdeM00000027330 XP_033727462.1 57.1 303
 120 6 1 300 1 296 1.50E-70 274.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027331 6596 322 UdeM00000027331 XP_045177776.1 42 386
 213 7 146 525 568 948 1.90E-84 322 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027332 6596 102.1 UdeM00000027332 XP_045177776.1 59.5 79
 32 0 1 79 405 483 5.90E-19 102.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027333 6596 313.5 UdeM00000027333 XP_045177776.1 42.5 372
 203 8 247 613 568 933 7.10E-82 313.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027334 6596 139.4 UdeM00000027334 XP_045188277.1 32.3 254
 158 4 2 253 79 320 6.20E-30 139.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027335 7668 61.2 UdeM00000027335 XP_030834722.1 41.5 65
 33 1 41 100 199 263 8.50E-07 61.2 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000027336 6596 112.8 UdeM00000027336 XP_045177674.1 45.5 123
 64 2 46 166 298 419 4.80E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027337 6596 350.1 UdeM00000027337 XP_045198179.1 33.1 652
 402 12 28 659 429 1066 7.00E-93 350.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027338 6596 427.9 UdeM00000027338 XP_045156280.1 52.7 425
 194 6 1 421 389 810 1.40E-116 427.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027339 6573 228.4 UdeM00000027339 XP_021349151.1 51.9 214
 102 1 1 214 147 359 8.90E-57 228.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027340 6596 157.9 UdeM00000027340 XP_045177792.1 45.3 161
 87 1 2 161 19 179 2.60E-35 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027341 29159 173.3 UdeM00000027341 XP_034312908.1 25.6 649
 321 16 5 524 6 621 8.10E-40 173.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027342 6596 200.7 UdeM00000027342 XP_045177776.1 39.5 306
 172 7 1 299 405 704 2.70E-48 200.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027343 37621 59.3 UdeM00000027343 XP_014679850.1 39 82
 45 1 30 106 62 143 5.40E-06 59.3 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000027344 6565 81.3 UdeM00000027344 XP_022299602.1 51.5 68
 32 1 1 68 65 131 2.20E-12 81.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027345 6573 96.3 UdeM00000027345 XP_021380144.1 25.8 244
 166 7 4 241 3 237 5.70E-17 96.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027346 6573 97.8 UdeM00000027346 XP_021380144.1 25.8 213
 151 6 28 239 31 237 2.00E-17 97.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027347 6573 64.7 UdeM00000027347 XP_021380144.1 27.4 124
 87 3 19 141 31 152 1.20E-07 64.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027348 6573 59.7 UdeM00000027348 XP_021380144.1 29.3 99
 68 2 7 104 55 152 2.90E-06 59.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027349 7994 79.7 UdeM00000027349 XP_022517750.1 37.1 124
 71 3 116 235 16 136 5.50E-12 79.7 7994 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiformes;Characo
idei;Characidae;Stethaprioninae;Astyanax;Astyanax mexicanus

UdeM00000027350 400727 76.6 UdeM00000027350 XP_025084083.1 24.2
198 132 4 22 208 31 221 4.10E-11 76.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000027351 241271 70.1 UdeM00000027351 XP_041653182.1 33.3
105 60 3 2 106 428 522 2.00E-09 70.1 241271
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriiformes;Labridae
;Cheilinus;Cheilinus undulatus

UdeM00000027352 1735272 94.4 UdeM00000027352 XP_041375600.1 27
230 155 4 5 226 18 242 2.10E-16 94.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027353 6573 92 UdeM00000027353 XP_021380144.1 25.5 216
144 6 35 249 38 237 1.10E-15 92 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027354 6596 623.2 UdeM00000027354 XP_045182254.1 59.5 587
171 8 1 585 2 523 3.30E-175 623.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027355 6596 591.7 UdeM00000027355 XP_045182254.1 56.9 594
185 9 1 589 1 528 1.10E-165 591.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027356 89462 453.4 UdeM00000027356 XP_025125963.3 53.3 347
162 0 5 351 235 581 2.70E-124 453.4 89462 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Laurasiatheria;Artiodactyla;Ruminantia;Pecora;Bovidae;Bovi
nae;Bubalus;Bubalus bubalis

UdeM00000027357 6565 306.2 UdeM00000027357 XP_022309566.1 56.6 221
96 0 55 275 843 1063 4.30E-80 306.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000027358 7741 303.5 UdeM00000027358 XP_019627830.1 57 237
100 1 55 289 71 307 3.20E-79 303.5 7741 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma belcheri
UdeM00000027359 2607531 74.7 UdeM00000027359 XP_029651995.2 66.7
48 16 0 29 76 107 154 9.20E-11 74.7 2607531
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus sinensis
UdeM00000027360 6565 285 UdeM00000027360 XP_022309566.1 51.3 224
109 0 42 265 843 1066 1.00E-73 285 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000027361 50390 286.2 UdeM00000027361 XP_028154228.1 55.3 219
98 0 31 249 161 379 4.30E-74 286.2 50390 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucujiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; Diabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera
virgifera
UdeM00000027362 6596 208.4 UdeM00000027362 XP_045192158.1 48.6 210
94 2 1 202 129 332 9.80E-51 208.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000027364 48498 61.2 UdeM00000027364 XP_020624041.1 26.7 150
87 5 351 494 320 452 7.50E-06 61.2 48498 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Faviina; Merulinidae; Orbicella; Orbicella faveolata
UdeM00000027367 29159 1217.2 UdeM00000027367 XP_011446824.2 63.9
990 331 7 2 971 82 1065 0.00E+00 1217.2
29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000027368 1606681 116.3 UdeM00000027368 XP_043084860.1 29.6
226 156 3 1 225 1 224 5.20E-23 116.3 1606681
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Otomorpha; Ostariophysi; Otophysi; Cypriniphysae; Cypriniformes; Cyprinidae; Cyprinidae; Smiliogastrinae; Puntigrus; Puntigrus tetrazona
UdeM00000027369 47969 71.6 UdeM00000027369 XP_039460666.1 30.8 107
70 1 118 224 454 556 2.30E-09 71.6 47969 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichliformes;Cichlidae;African

cichlids;Pseudocrenilabrinae;Oreochromini;Oreochromis;Oreochromis aureus
UdeM00000027370 6573 88.2 UdeM00000027370 XP_021380144.1 24.6 207
148 5 7 212 38 237 1.40E-14 88.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027371 6573 88.2 UdeM00000027371 XP_021380144.1 25 228
162 6 15 241 18 237 1.60E-14 88.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027372 241271 63.5 UdeM00000027372 XP_041653182.1 32.7
107 62 3 2 108 428 524 1.90E-07 63.5 241271
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae;Cheilinus;Cheilinus undulatus

UdeM00000027373 6596 354.8 UdeM00000027373 XP_045177776.1 35.4 622
285 9 4 612 396 913 2.50E-94 354.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027374 6596 79.3 UdeM00000027374 XP_045186033.1 30.4 158
108 2 331 488 23 178 1.60E-11 79.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027375 6596 69.7 UdeM00000027375 XP_045180697.1 37.9 95
58 1 124 217 325 419 5.20E-09 69.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027376 6596 158.3 UdeM00000027376 XP_045180657.1 35.6 216
137 2 2 215 13 228 1.20E-35 158.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027377 6596 195.7 UdeM00000027377 XP_045180657.1 27 541
305 10 2 453 13 552 1.30E-46 195.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027378 6565 83.2 UdeM00000027378 XP_022299602.1 42.1 107
 61 1 9 115 3 108 2.50E-13 83.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027379 6596 196.4 UdeM00000027379 XP_045180657.1 26.8 542
 305 13 2 453 13 552 7.60E-47 196.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027381 6596 193.4 UdeM00000027381 XP_045180657.1 26.7 544
 303 12 2 453 13 552 6.50E-46 193.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027382 6565 113.2 UdeM00000027382 XP_022299602.1 44.4 126
 68 2 25 150 8 131 3.00E-22 113.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027383 6596 176 UdeM00000027383 XP_045180657.1 25.5 541
 261 11 2 402 13 551 9.50E-41 176 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027384 6596 193 UdeM00000027384 XP_045180657.1 26.8 541
 306 10 2 453 13 552 8.40E-46 193 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027385 6596 307.8 UdeM00000027385 XP_045208806.1 50 316
 143 5 1 309 1 308 1.60E-80 307.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027387 29159 94 UdeM00000027387 XP_011428043.2 46.2 104
 56 0 13 116 33 136 2.00E-16 94 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027388 6565 75.1 UdeM00000027388 XP_022333812.1 47.1 70
 37 0 141 210 728 797 1.20E-10 75.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027389 6596 768.8 UdeM00000027389 XP_045165226.1 75.6 476
 116 0 44 519 6 481 4.30E-219 768.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027390 6573 159.5 UdeM00000027390 XP_021365376.1 46.6 161
84 2 11 169 3 163 4.00E-36 159.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027391 6573 159.8 UdeM00000027391 XP_021365376.1 47 164
82 3 8 169 3 163 3.10E-36 159.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027392 29159 257.3 UdeM00000027392 XP_034318948.1 47 268
140 1 1 266 686 953 2.20E-65 257.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027393 29159 188.3 UdeM00000027393 XP_034315421.1 51.5 206
94 3 122 323 271 474 1.50E-44 188.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027394 7741 64.3 UdeM00000027394 XP_019641549.1 30.6 134
87 4 21 153 43 171 1.60E-07 64.3 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000027395 7739 67.8 UdeM00000027395 XP_035673027.1 27.7 137
86 4 5 136 1058 1186 1.30E-08 67.8 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000027396 7739 67.8 UdeM00000027396 XP_035673027.1 27.7 137
86 4 5 136 1058 1186 1.30E-08 67.8 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000027398 6579 675.6 UdeM00000027398 XP_033728194.1 49.9 693
334 5 1 684 282 970 6.50E-191 675.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027401 390379 60.1 UdeM00000027401 XP_034045841.1 26.6
124 87 2 3 126 248 367 2.40E-06 60.1 390379

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Batrachoidaria;Batrachoidiformes;Batrachoididae;Thalassophyrinae;Thalassophryne;Thalassophryne amazonica

UdeM00000027402 52670 200.3 UdeM00000027402 XP_013879842.1 47.2 176
87 1 1 170 245 420 2.00E-48 200.3 52670 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus
limnaeus

UdeM00000027403 400727 63.9 UdeM00000027403 XP_025089336.1 25
164 108 5 38 193 41 197 2.50E-07 63.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000027404 160734 197.6 UdeM00000027404 XP_042337771.1 47.5
177 87 1 1 171 241 417 1.30E-47 197.6 160734
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Serranoi
dei;Serranidae;Epinephelinae;Epinephelini;Plectropomus;Plectropomus
leopardus

UdeM00000027405 27405 65.5 UdeM00000027405 XP_042879563.1 31.2 128
80 4 71 190 109 236 8.70E-08 65.5 27405 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
a;Penaeoidea;Penaeidae;Penaeus;Penaeus japonicus

UdeM00000027406 52670 326.6 UdeM00000027406 XP_013860411.1 52 254
122 0 9 262 147 400 2.90E-86 326.6 52670 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus
limnaeus

UdeM00000027407 400727 191.4 UdeM00000027407 XP_025092108.1 61.6
146 56 0 18 163 72 217 9.20E-46 191.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000027409 1735272 466.1 UdeM00000027409 XP_041372570.1 56.9
360 152 1 9 365 46 405 4.20E-128 466.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027410 8103 434.5 UdeM00000027410 XP_034385613.1 56.6 309
134 0 7 315 260 568 1.20E-118 434.5 8103 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioidei;Cottales;Cyclopteridae;Cyclopterinae;Cyclopterus;Cyclopterus lumpus
 UdeM00000027411 6565 263.8 UdeM00000027411 XP_022327962.1 54.4 250
 112 2 1 249 445 693 2.30E-67 263.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027412 6596 178.3 UdeM00000027412 XP_045164125.1 71.7 120
 34 0 1 120 169 288 5.80E-42 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000027413 6565 246.9 UdeM00000027413 XP_022297447.1 53.2 220
 102 1 18 236 145 364 2.60E-62 246.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027414 1735272 337.4 UdeM00000027414 XP_041372566.1 55.4
 267 119 0 2 268 46 312 1.60E-89 337.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027416 6596 498.8 UdeM00000027416 XP_045177776.1 37.8 720
 429 10 1 712 405 1113 1.50E-137 498.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000027417 6596 401 UdeM00000027417 XP_045177776.1 39.5 555
 320 9 1 547 405 951 3.50E-108 401 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000027418 6596 344.4 UdeM00000027418 XP_045177778.1 40.4 480
 274 7 258 733 391 862 7.10E-91 344.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000027419 6596 457.2 UdeM00000027419 XP_045175052.1 51.2 445
 210 2 1 440 1 443 2.50E-125 457.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000027420 6596 270.4 UdeM00000027420 XP_045165301.1 52 279
 111 3 11 287 55 312 2.70E-69 270.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000027422 6596 160.2 UdeM00000027422 XP_045180624.1 35.1 276
 169 3 141 413 142 410 5.80E-36 160.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027421 6596 160.6 UdeM00000027421 XP_045180624.1 35.1 276
 169 3 141 413 142 410 4.40E-36 160.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027423 37621 122.9 UdeM00000027423 XP_014679849.1 35.4 198
 54 1 44 167 27 224 4.30E-25 122.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000027424 6573 141.7 UdeM00000027424 XP_021371061.1 36.6 257
 124 8 1 244 1 231 1.40E-30 141.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027425 6105 285.4 UdeM00000027425 XP_031549116.1 54.5 275
 116 6 161 428 45 317 1.20E-73 285.4 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000027426 6596 473.8 UdeM00000027426 XP_045180850.1 70.9 333
 96 1 1 332 735 1067 1.80E-130 473.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027427 6596 1167.1 UdeM00000027427 XP_045180850.1 57.3
 1075 413 9 95 1134 4 1067 0.00E+00 1167.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027428 6573 69.7 UdeM00000027428 XP_021362121.1 29.1 292
 163 10 263 521 333 613 1.30E-08 69.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027429 6500 341.3 UdeM00000027429 XP_005099746.1 71.6 232
 66 0 3 234 2 233 1.00E-90 341.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000027430 6596 549.3 UdeM00000027430 XP_045180371.1 68.3 404
 119 2 96 493 46 446 5.00E-153 549.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027432 6596 260 UdeM00000027432 XP_045180341.1 83.1 154
26 0 2 155 358 511 1.90E-66 260 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027431 6596 602.1 UdeM00000027431 XP_045180341.1 78.6 383
82 0 105 487 129 511 6.50E-169 602.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027433 6596 172.2 UdeM00000027433 XP_045181474.1 61.4 145
52 2 151 292 81 224 1.00E-39 172.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027434 6596 172.2 UdeM00000027434 XP_045181474.1 61.4 145
52 2 101 242 81 224 8.50E-40 172.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027435 6596 131.7 UdeM00000027435 XP_045181371.1 39.5 243
109 7 1 222 20 245 1.10E-27 131.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027438 6579 1006.9 UdeM00000027438 XP_033727239.1 50.2
1032 489 10 1 1016 1 1023 1.80E-290 1006.9 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027439 6596 2619.3 UdeM00000027439 XP_045215313.1 43.5
3293 1693 49 1 3234 811 3995 0.00E+00 2619.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027440 6596 840.9 UdeM00000027440 XP_045215313.1 59.8 722
267 7 1 719 1 702 1.30E-240 840.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031309 6579 657.9 UdeM00000031309 XP_033734127.1 48.1 630
319 5 1 626 1 626 1.40E-185 657.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031310 1735272 328.2 UdeM00000031310 XP_041354476.1 52.9
308 140 4 35 341 26 329 1.30E-86 328.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031311 1735272 328.9 UdeM00000031311 XP_041354477.1 51.1
327 153 5 12 337 3 323 7.40E-87 328.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031312 6596 284.3 UdeM00000031312 XP_045156531.1 53.1 256
117 2 9 261 190 445 1.60E-73 284.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000031313 6596 372.5 UdeM00000031313 XP_045180855.1 61 346
111 7 4 339 15 346 5.80E-100 372.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000031314 6579 122.5 UdeM00000031314 XP_033732319.1 70.9 86
25 0 1 86 1 86 3.00E-25 122.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031315 6579 460.3 UdeM00000031315 XP_033734118.1 71.2 281
79 1 1 281 96 374 1.80E-126 460.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031316 6579 493 UdeM00000031316 XP_033735968.1 62.6 358
130 1 8 365 14 367 3.20E-136 493 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031317 6596 2805 UdeM00000031317 XP_045163820.1 62.7 2176
781 10 50 2206 376 2539 0.00E+00 2805 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000031318 6596 575.5 UdeM00000031318 XP_045163820.1 45 696
150 4 1 463 1844 2539 8.60E-161 575.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000031319 6596 1194.1 UdeM00000031319 XP_045163820.1 62.8
 920 335 5 73 989 376 1291 0.00E+00 1194.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031320 6579 486.9 UdeM00000031320 XP_033735968.1 61.7 358
 133 1 17 374 14 367 2.30E-134 486.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031321 6596 154.1 UdeM00000031321 XP_045188075.1 51.2 166
 80 1 6 171 4 168 2.10E-34 154.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031322 747089 180.3 UdeM00000031322 XP_025171917.1 34.6
 327 183 11 33 348 39 345 4.40E-42 180.3 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198
 UdeM00000031323 747089 183.3 UdeM00000031323 XP_025171917.1 35.2
 327 186 10 30 347 36 345 5.20E-43 183.3 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198
 UdeM00000031324 747089 176 UdeM00000031324 XP_025171917.1 33.8
 331 193 10 30 351 36 349 8.30E-41 176 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198
 UdeM00000031325 747089 63.9 UdeM00000031325 XP_025183680.1 36.2
 80 51 0 11 90 17 96 1.40E-07 63.9 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198
 UdeM00000031326 747089 107.8 UdeM00000031326 XP_025183672.1 34.3
 178 104 4 7 180 173 341 1.50E-20 107.8 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198
 UdeM00000031327 29159 337.4 UdeM00000031327 XP_011419833.1 71.1 249
 65 3 1 246 168 412 1.50E-89 337.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031328 6565 120.2 UdeM00000031328 XP_022328739.1 67 91
 26 2 1 91 11 97 1.40E-24 120.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031330 6565 157.1 UdeM00000031330 XP_022334742.1 81.1 90
 17 0 2 91 1 90 1.00E-35 157.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031329 6565 157.9 UdeM00000031329 XP_022334742.1 81.1 90
 17 0 47 136 1 90 9.10E-36 157.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031331 45264 109 UdeM00000031331 XP_029180364.1 60.5 86
 34 0 1 86 36 121 3.20E-21 109 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000031332 6565 319.7 UdeM00000031332 XP_022342533.1 35.6 523
 313 10 34 541 57 570 7.50E-84 319.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031333 6596 393.7 UdeM00000031333 XP_045166426.1 33.4 671
 404 11 34 669 79 741 5.00E-106 393.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031334 6596 392.1 UdeM00000031334 XP_045166426.1 33.1 671
 406 11 34 669 79 741 1.50E-105 392.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031335 6565 455.3 UdeM00000031335 XP_022303697.1 63.8 376
 127 3 337 703 317 692 1.40E-124 455.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031336 6596 1016.5 UdeM00000031336 XP_045162040.1 62
 832 305 6 7 837 10 831 1.90E-293 1016.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031337 6565 169.9 UdeM00000031337 XP_022287303.1 33.6 235
 144 4 6 229 517 750 3.90E-39 169.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031338 6596 264.6 UdeM00000031338 XP_045162032.1 65.6 218
 72 2 1 216 1 217 1.10E-67 264.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031339 1735272 615.9 UdeM00000031339 XP_041353617.1 62.4
 439 162 1 1 436 1 439 3.90E-173 615.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031340 6596 573.5 UdeM00000031340 XP_045185783.1 58.4 485
 197 3 4 488 7 486 2.50E-160 573.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031341 6596 319.7 UdeM00000031341 XP_045182485.1 51.2 295
 144 0 8 302 14 308 4.20E-84 319.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031342 1735272 330.1 UdeM00000031342 XP_041353379.1 45.4
 324 176 1 4 326 6 329 3.30E-87 330.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031343 6565 323.2 UdeM00000031343 XP_022333986.1 49.7 302
 150 1 26 325 23 324 3.90E-85 323.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031344 6573 196.1 UdeM00000031344 XP_021354498.1 78 109
 24 0 2 110 4 112 5.20E-47 196.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031345 6573 196.1 UdeM00000031345 XP_021354498.1 78 109
 24 0 2 110 4 112 4.70E-47 196.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031346 2607531 175.3 UdeM00000031346 XP_029646709.1 58.3
 163 62 2 71 232 45 202 9.90E-41 175.3 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000031347 225164 299.7 UdeM00000031347 XP_009063169.1 78.9
 190 40 0 1 190 1 190 2.70E-78 299.7 225164
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
UdeM00000031348 6573 617.8 UdeM00000031348 XP_021343053.1 42.9 1827
823 50 102 1841 111 1804 4.40E-173 617.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000031349 6596 795.4 UdeM00000031349 XP_045174527.1 74.1 536
135 2 1 533 1 535 4.40E-227 795.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000031350 6579 909.4 UdeM00000031350 XP_033734986.1 83.2 548
89 3 1 546 1 547 2.30E-261 909.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031351 6579 907.9 UdeM00000031351 XP_033734986.1 83.4 548
88 3 1 546 1 547 6.70E-261 907.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031353 6596 157.1 UdeM00000031353 XP_045171374.1 32 309
188 11 8 303 15 314 4.50E-35 157.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000031354 6596 109 UdeM00000031354 XP_045171992.1 29.4 231
147 8 2 222 86 310 1.20E-20 109 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000031355 6596 131.3 UdeM00000031355 XP_045187703.1 32.3 248
150 6 5 240 43 284 1.60E-27 131.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000031356 6596 101.3 UdeM00000031356 XP_045187611.1 50 84
41 1 10 92 43 126 7.20E-19 101.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000031357 29159 80.5 UdeM00000031357 XP_034307341.1 35 143
67 2 2 124 48 184 1.70E-12 80.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031358 29159 93.2 UdeM00000031358 XP_034307341.1 40.9 110
 55 1 9 108 230 339 4.00E-16 93.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031359 6596 188 UdeM00000031359 XP_045185049.1 55 180
 79 1 9 186 11 190 1.30E-44 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031360 7739 108.2 UdeM00000031360 XP_035675655.1 32.9 213
 127 8 2 213 370 567 2.50E-20 108.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000031361 29159 472.6 UdeM00000031361 XP_034323999.1 59.9 566
 185 8 4 552 5 545 6.80E-130 472.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031362 6579 120.9 UdeM00000031362 XP_033757956.1 48.1 131
 65 1 31 158 31 161 1.50E-24 120.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031363 6579 106.3 UdeM00000031363 XP_033757956.1 49.5 107
 51 1 20 123 55 161 2.90E-20 106.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031364 6579 478 UdeM00000031364 XP_033735415.1 82.2 276
 49 0 1 276 1 276 8.00E-132 478 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031365 6596 300.8 UdeM00000031365 XP_045174436.1 52.2 291
 136 2 9 299 7 294 1.90E-78 300.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031366 6596 820.8 UdeM00000031366 XP_045174377.1 79.8 491
 92 2 3 486 2 492 8.90E-235 820.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031367 6596 841.6 UdeM00000031367 XP_045174383.1 83.4 483
 75 3 3 480 2 484 4.80E-241 841.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031368 6596 458.4 UdeM00000031368 XP_045174401.1 53.5 419
 191 3 1 419 1 415 1.10E-125 458.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031369 6573 432.6 UdeM00000031369 XP_021378422.1 62.6 326
 118 2 3 324 1 326 4.60E-118 432.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031370 6579 469.2 UdeM00000031370 XP_033735374.1 55.4 424
 166 6 4 419 2 410 5.70E-129 469.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031371 400727 176.8 UdeM00000031371 XP_025090816.1 67.7
 133 42 1 3 134 2 134 1.90E-41 176.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000031372 1735272 241.5 UdeM00000031372 XP_041376276.1 24.7
 949 573 33 301 1151 46 950 5.40E-60 241.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031373 6565 250.8 UdeM00000031373 XP_022330234.1 44.2 339
 176 4 15 348 3 333 2.60E-63 250.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031374 29159 146.4 UdeM00000031374 XP_034326047.1 33.3 493
 259 17 16 488 7 449 9.80E-32 146.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031375 6596 832.4 UdeM00000031375 XP_045182547.1 44.3 1344
 591 34 115 1351 136 1428 8.40E-238 832.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031376 6565 65.1 UdeM00000031376 XP_022299727.1 56.1 57
 25 0 36 92 160 216 5.40E-08 65.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031377 6579 161.4 UdeM00000031377 XP_033726657.1 34.2 316
 112 3 1 220 223 538 1.40E-36 161.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031378 6565 84.3 UdeM00000031378 XP_022299727.1 44.9 78
 43 0 3 80 657 734 1.10E-13 84.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031380 6579 188 UdeM00000031380 XP_033733984.1 46.3 246
 94 7 7 251 20 228 1.60E-44 188 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031381 73337 102.4 UdeM00000031381 XP_014644422.1 56.2 80
 34 1 1 80 1 79 2.80E-19 102.4 73337 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Perissodactyla;Rhinocerotidae;Ceratotherium
 ;Ceratotherium simum;Ceratotherium simum simum
 UdeM00000031382 6596 271.9 UdeM00000031382 XP_045173409.1 70.9 196
 52 1 55 245 50 245 7.80E-70 271.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031383 260995 236.9 UdeM00000031383 XP_033812940.1 37.6
 417 144 6 1 314 221 624 3.50E-59 236.9 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
 e;Geotrypetes;Geotrypetes seraphini
 UdeM00000031384 7757 186.4 UdeM00000031384 XP_032835197.1 78.1 114
 25 0 43 156 3 116 2.70E-44 186.4 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000031385 29159 377.1 UdeM00000031385 XP_011425206.2 28.6 1145
 515 28 321 1423 348 1232 9.90E-101 377.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031386 29159 377.1 UdeM00000031386 XP_011425206.2 28.6 1145
 515 28 319 1421 348 1232 9.90E-101 377.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031387 6596 330.9 UdeM00000031387 XP_045173604.1 69.3 225
 68 1 3 227 12 235 1.30E-87 330.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031388 6596 330.5 UdeM00000031388 XP_045173604.1 68.3 227
 71 1 12 238 10 235 1.80E-87 330.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031389 6596 1920.2 UdeM00000031389 XP_045173593.1 49.5
2282 865 29 11 2289 14 2011 0.00E+00 1920.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031390 6596 707.2 UdeM00000031390 XP_045170552.1 71.9 466
126 2 1 464 1 463 1.40E-200 707.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031391 7574 105.9 UdeM00000031391 XP_013409897.1 79 62
13 0 1 62 476 537 2.00E-20 105.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000031392 6596 834.3 UdeM00000031392 XP_045170543.1 73.9 537
139 1 1 537 1 536 8.60E-239 834.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031393 225164 239.2 UdeM00000031393 XP_009046346.1 62.6
190 71 0 548 737 38 227 1.70E-59 239.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000031394 7757 290 UdeM00000031394 XP_032835197.1 77.8 189
42 0 2 190 149 337 2.20E-75 290 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000031396 6596 229.2 UdeM00000031396 XP_045170618.1 57.4 188
79 1 1 188 24 210 4.60E-57 229.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031395 6596 337.4 UdeM00000031395 XP_045170607.1 57 279
118 2 1 279 1 277 1.80E-89 337.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031398 6596 574.3 UdeM00000031398 XP_045170109.1 59.6 525
188 6 2 523 486 989 1.80E-160 574.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031397 6596 840.9 UdeM00000031397 XP_045170109.1 58.1 785
297 9 2 780 231 989 1.40E-240 840.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031399 6596 190.3 UdeM00000031399 XP_045170109.1 73.3 120
32 0 5 124 61 180 1.50E-45 190.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031400 1735272 126.3 UdeM00000031400 XP_041360711.1 32.1
196 122 2 5 200 6 190 4.80E-26 126.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031401 29159 309.7 UdeM00000031401 NP_001306898.1 43 421
146 9 88 507 121 448 7.10E-81 309.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031402 6596 283.1 UdeM00000031402 XP_045187369.1 51 298
123 4 4 279 3 299 4.00E-73 283.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031403 7574 281.6 UdeM00000031403 XP_013420189.1 49.5 293
135 3 19 300 19 309 1.20E-72 281.6 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000031404 6596 283.5 UdeM00000031404 XP_045181481.1 70.9 189
55 0 1 189 1 189 2.00E-73 283.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031405 225164 156 UdeM00000031405 XP_009067077.1 49.6
137 69 0 1 137 51 187 3.50E-35 156 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000031406 225164 213 UdeM00000031406 XP_009067077.1 59.8
164 66 0 4 167 21 184 3.10E-52 213 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000031407 225164 289.3 UdeM00000031407 XP_009067077.1 71.9
 185 52 0 1 185 1 185 3.60E-75 289.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031408 225164 113.6 UdeM00000031408 XP_009051992.1 24.6
 346 254 4 65 408 53 393 6.20E-22 113.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031409 225164 288.5 UdeM00000031409 XP_009067077.1 73.5
 185 49 0 1 185 1 185 6.10E-75 288.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031410 225164 103.2 UdeM00000031410 XP_009051992.1 24.7
 384 274 8 49 427 36 409 8.30E-19 103.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031411 6596 494.6 UdeM00000031411 XP_045176193.1 57.7 442
 181 3 10 445 1 442 1.40E-136 494.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031412 6596 500.7 UdeM00000031412 XP_045176198.1 57.8 446
 182 3 10 449 1 446 1.90E-138 500.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031413 6579 258.1 UdeM00000031413 XP_033735995.1 43.6 330
 172 8 6 324 8 334 1.60E-65 258.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031414 6579 456.1 UdeM00000031414 XP_033734862.1 53.4 461
 200 5 1 459 1 448 5.40E-125 456.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031415 6579 367.1 UdeM00000031415 XP_033736199.1 41.6 478
 267 9 14 485 114 585 3.60E-98 367.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031416 6596 122.9 UdeM00000031416 XP_045159185.1 41.1 151
 85 3 541 690 420 567 1.70E-24 122.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031417 6565 121.7 UdeM00000031417 XP_022302274.1 47.9 119
60 2 154 272 186 302 1.40E-24 121.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031418 6596 252.7 UdeM00000031418 XP_045159185.1 35.4 429
248 9 57 468 6 422 9.60E-64 252.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031419 6596 307.4 UdeM00000031419 XP_045174563.1 61.3 256
71 4 5 234 1256 1509 1.60E-80 307.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031420 6596 344.4 UdeM00000031420 XP_045174563.1 68.5 260
73 5 5 261 1256 1509 1.30E-91 344.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031421 6596 601.3 UdeM00000031421 XP_045174563.1 79.3 362
73 2 52 412 896 1256 1.00E-168 601.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031422 6596 1094 UdeM00000031422 XP_045174601.1 66 879
200 12 1 791 3 870 0.00E+00 1094 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031423 6565 476.9 UdeM00000031423 XP_022334222.1 64.3 345
120 1 1 345 1 342 2.20E-131 476.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031424 6596 4571.9 UdeM00000031424 XP_045174712.1 71.6
3500 899 24 1 3481 1 3423 0.00E+00 4571.9 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031425 6565 227.3 UdeM00000031425 XP_022288548.1 56.5 177
75 1 16 192 83 257 1.70E-56 227.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000031426 29159 313.5 UdeM00000031426 XP_034337046.1 58.8 255
100 2 12 264 489 740 2.50E-82 313.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000031428 6579 569.7 UdeM00000031428 XP_033735558.1 66.5 448
145 3 69 515 322 765 3.80E-159 569.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031429 225164 589 UdeM00000031429 XP_009061636.1 84.4
326 51 0 25 350 1 326 4.40E-165 589 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000031430 225164 399.4 UdeM00000031430 XP_009061636.1 82.4
221 39 0 1 221 1 221 3.00E-108 399.4 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000031432 6596 332 UdeM00000031432 XP_045184560.1 41.4 498
264 10 1 482 29 514 1.20E-87 332 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031431 6596 550.8 UdeM00000031431 XP_045184560.1 46 680
334 13 1 660 29 695 2.40E-153 550.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031433 6596 512.3 UdeM00000031433 XP_045184560.1 45.1 647
325 12 1 630 29 662 8.80E-142 512.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031434 6596 797.3 UdeM00000031434 XP_045185733.1 79.7 531
108 0 1 531 1 531 1.10E-227 797.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031436 6596 374 UdeM00000031436 XP_045185744.1 70.2 245
73 0 4 248 5 249 1.60E-100 374 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031437 6596 403.3 UdeM00000031437 XP_045185744.1 69.7 267
 81 0 29 295 249 515 2.70E-109 403.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031438 6596 485 UdeM00000031438 XP_045185394.1 57.8 410
 161 5 24 428 17 419 1.20E-133 485 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031439 6596 173.3 UdeM00000031439 XP_045164928.1 66.7 117
 39 0 25 141 145 261 2.20E-40 173.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031440 6596 90.5 UdeM00000031440 XP_045185394.1 60.8 74
 28 1 3 75 95 168 1.00E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031441 6596 173.7 UdeM00000031441 XP_045164928.1 66.7 117
 39 0 34 150 145 261 1.80E-40 173.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031442 6596 176.4 UdeM00000031442 XP_045164928.1 59.4 138
 50 1 3 134 124 261 2.40E-41 176.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031443 6596 485.3 UdeM00000031443 XP_045185394.1 57.8 410
 161 5 24 428 17 419 8.80E-134 485.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031444 6596 401.7 UdeM00000031444 XP_045185744.1 69.5 266
 81 0 11 276 250 515 7.40E-109 401.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031445 6596 330.1 UdeM00000031445 XP_045185744.1 73.2 209
 56 0 12 220 42 250 2.70E-87 330.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031446 6596 496.1 UdeM00000031446 XP_045185394.1 59.1 408
 155 5 24 426 17 417 4.70E-137 496.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031447 6596 112.5 UdeM00000031447 XP_045164928.1 52.7 110
 37 1 7 101 155 264 3.60E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031448 6596 493.8 UdeM00000031448 XP_045185394.1 59.1 408
 155 5 24 426 17 417 2.50E-136 493.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031449 29159 347.4 UdeM00000031449 XP_011428660.2 64 264
 85 2 1 254 1 264 1.50E-92 347.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031450 6596 702.2 UdeM00000031450 XP_045214618.1 43.4 1179
 472 39 2 1101 292 1354 1.00E-198 702.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031451 6596 254.2 UdeM00000031451 XP_045214618.1 48.9 305
 141 6 6 305 4 298 2.30E-64 254.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031452 6579 704.5 UdeM00000031452 XP_033734670.1 69.3 584
 161 6 1 584 1 566 1.30E-199 704.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031453 6596 716.5 UdeM00000031453 XP_045169864.1 52.4 760
 196 11 1 596 1 758 2.90E-203 716.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031454 6596 734.9 UdeM00000031454 XP_045169864.1 53 762
 211 10 1 619 1 758 8.20E-209 734.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031455 6500 68.9 UdeM00000031455 XP_005102894.1 48.6 74
 36 1 16 89 577 648 3.70E-09 68.9 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000031456 6596 689.1 UdeM00000031456 XP_045167178.1 53.7 618
274 5 19 629 25 637 5.40E-195 689.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031457 6596 674.9 UdeM00000031457 XP_045167178.1 50.7 621
290 6 35 647 25 637 1.10E-190 674.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031458 6596 597.4 UdeM00000031458 XP_045167178.1 47 630
273 9 19 594 26 648 2.00E-167 597.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031459 6596 596.3 UdeM00000031459 XP_045167178.1 49.1 586
286 6 5 587 21 597 4.90E-167 596.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031461 79782 424.1 UdeM00000031461 XP_014251961.1 71.7 276
78 0 1 276 1 276 1.40E-115 424.1 79782 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Prosorrhyncha;He
teroptera;Euheteroptera;Neoheteroptera;Panheteroptera;Cimicomorpha;Cimico
idea;Cimicidae;Cimex;Cimex lectularius
UdeM00000031462 6596 545.8 UdeM00000031462 XP_045187218.1 80.3 385
36 7 1 384 1 346 4.40E-152 545.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031463 6596 362.5 UdeM00000031463 XP_045187221.1 49 357
178 2 1 354 32 387 6.60E-97 362.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031465 431895 228.4 UdeM00000031465 XP_001749022.1 78.1
146 32 0 5 150 4 149 6.00E-57 228.4 431895
cellular
organisms;Eukaryota;Opisthokonta;Choanoflagellata;Craspedida;Salpingoecid
ae;Monosiga;Monosiga brevicollis;Monosiga brevicollis MX1
UdeM00000031466 225164 121.3 UdeM00000031466 XP_009056061.1 75.3
77 19 0 1 77 73 149 5.40E-25 121.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000031467 6565 256.5 UdeM00000031467 XP_022332068.1 44.8 384
176 9 4 379 532 887 5.20E-65 256.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031468 6573 303.1 UdeM00000031468 XP_021361716.1 42.4 479
201 13 3 429 17 472 5.80E-79 303.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031470 6596 869 UdeM00000031470 XP_045182016.1 70.8 662
172 6 1 660 1 643 3.90E-249 869 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031471 6596 956.4 UdeM00000031471 XP_045182016.1 59.6 970
354 11 36 986 781 1731 2.70E-275 956.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031472 6573 246.9 UdeM00000031472 XP_021373841.1 34.9 487
265 13 10 463 12 479 5.00E-62 246.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031474 29159 246.5 UdeM00000031474 XP_034323987.1 73.7 156
41 0 1 156 1 156 2.70E-62 246.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031475 6579 1591.2 UdeM00000031475 XP_033734261.1 71
1164 281 6 3 1138 2 1136 0.00E+00 1591.2 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031476 6596 442.6 UdeM00000031476 XP_045182041.1 59.5 400
128 3 1 369 812 1208 5.00E-121 442.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031477 6579 478.8 UdeM00000031477 XP_033736165.1 63.4 434
140 5 587 1013 417 838 1.80E-131 478.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031478 6596 274.2 UdeM00000031478 XP_045182088.1 61.1 216
74 4 17 230 13 220 1.50E-70 274.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031479 6596 1011.9 UdeM00000031479 XP_045182088.1 73.4
700 185 1 228 926 264 963 5.20E-292 1011.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031479 6596 71.6 UdeM00000031479 XP_045182088.1 76.7 43
10 0 3 45 224 266 5.80E-09 71.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031480 6565 414.8 UdeM00000031480 XP_022333349.1 87.3 229
29 0 1 229 280 508 6.90E-113 414.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031481 225164 376.7 UdeM00000031481 XP_009066935.1 68.9
257 80 0 31 287 8 264 2.90E-101 376.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000031484 6596 1333.5 UdeM00000031484 XP_045164789.1 80.4
811 154 4 1 809 1607 2414 0.00E+00 1333.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031483 6596 2336.6 UdeM00000031483 XP_045164789.1 57
2384 688 48 1 2101 84 2414 0.00E+00 2336.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031485 1735272 71.2 UdeM00000031485 XP_041352832.1 56.6
76 26 4 1 73 1 72 1.00E-09 71.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031486 29159 306.2 UdeM00000031486 XP_011439507.2 51.7 267
127 1 103 367 132 398 5.70E-80 306.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031487 6526 132.5 UdeM00000031487 XP_013064827.1 50.8 122
 56 2 4 123 5 124 3.80E-28 132.5 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000031488 6596 222.2 UdeM00000031488 XP_045187580.1 40.6 480
 239 14 1 441 1 473 1.30E-54 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031490 6596 245 UdeM00000031490 XP_045161967.1 61.9 181
 67 1 1 181 284 462 7.50E-62 245 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031489 6579 587 UdeM00000031489 XP_033734374.1 65.9 457
 144 5 4 457 1 448 2.00E-164 587 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031492 6596 1195.6 UdeM00000031492 XP_045165437.1 52.7
 1621 652 19 1 1554 1 1574 0.00E+00 1195.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043327 29159 147.9 UdeM00000043327 XP_034313081.1 59.3 113
 45 1 76 188 102 213 1.30E-32 147.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043328 13164 62.8 UdeM00000043328 XP_022183200.1 44.6 56
 31 0 11 66 220 275 2.80E-07 62.8 13164 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Myzus;Myzus
 persicae
 UdeM00000043329 6579 97.1 UdeM00000043329 XP_033759130.1 61.8 68
 26 0 1 68 1 68 1.50E-17 97.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043330 6565 137.5 UdeM00000043330 XP_022337267.1 58.4 113
 47 0 68 180 452 564 1.80E-29 137.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043331 59472 73.2 UdeM00000043331 XP_045426894.1 29.2 219
 135 7 94 305 107 312 1.30E-09 73.2 59472 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Laurasiatheria;Chiroptera;Microchiroptera;Vespertilionidae
;Pipistrellus;Pipistrellus kuhlii

UdeM00000043334 114398 184.1 UdeM00000043334 XP_042899054.1 32.5
391 218 8 1 360 358 733 3.40E-43 184.1 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000043336 1735272 203.8 UdeM00000043336 XP_041356488.1 51.5
202 97 1 418 619 133 333 6.70E-49 203.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043335 1735272 203.8 UdeM00000043335 XP_041356488.1 51.5
202 97 1 346 547 133 333 5.90E-49 203.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043339 143302 80.1 UdeM00000043339 XP_012589114.1 27.2
239 157 7 94 319 107 341 9.50E-12 80.1 143302
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Laurasiatheria;Eulipotyphla;Talpidae;Condylura;Condylura
cristata

UdeM00000043340 79684 59.7 UdeM00000043340 XP_005347269.1 43.3 60
34 0 16 75 15 74 2.00E-06 59.7 79684 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Cricet
idae;Arvicolinae;Microtus;Microtus ochrogaster

UdeM00000043344 6579 394.4 UdeM00000043344 XP_033752673.1 58 324
109 1 28 324 328 651 1.40E-106 394.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043345 205130 85.9 UdeM00000043345 XP_026180020.1 49.3
71 36 0 1 71 197 267 2.70E-14 85.9 205130
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Anabantaria;Synbranchiformes;Ma
stacembeloidei;Mastacembelidae;Mastacembelus;Mastacembelus armatus

UdeM00000043346 7604 159.8 UdeM00000043346 XP_033641066.1 65.1 109
 38 0 1 109 155 263 1.90E-36 159.8 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asterias;Asterias rubens
 UdeM00000043347 225164 63.2 UdeM00000043347 XP_009058200.1 46.8
 77 41 0 1 77 1 77 2.10E-07 63.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000043349 1868482 70.5 UdeM00000043349 XP_021568579.1 27.8
 209 138 6 94 297 107 307 7.30E-09 70.5 1868482
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Tarsiiformes;Tarsiid
 ae;Carlito;Carlito syricta
 UdeM00000043350 7739 62.4 UdeM00000043350 XP_035687810.1 34.9 129
 74 6 37 157 105 231 1.30E-06 62.4 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000043351 29159 86.3 UdeM00000043351 XP_034307341.1 48.1 79
 41 0 8 86 230 308 2.10E-14 86.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043352 6596 282 UdeM00000043352 XP_045156248.1 32.6 601
 255 12 4 461 7 600 1.40E-72 282 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043353 6596 245.4 UdeM00000043353 XP_045215936.1 42.4 321
 117 5 115 371 122 438 1.20E-61 245.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043355 6596 531.6 UdeM00000043355 XP_045188256.1 47.1 628
 250 9 1 577 1 597 1.30E-147 531.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043356 6596 238.8 UdeM00000043356 XP_045201099.1 59.5 200
 71 1 1 190 101 300 5.90E-60 238.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043357 6596 209.5 UdeM00000043357 XP_045201099.1 62.7 166
 62 0 3 168 135 300 3.40E-51 209.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043358 29144 69.7 UdeM00000043358 XP_030641492.1 27.1 214
 136 6 76 279 247 450 1.30E-08 69.7 29144 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Anotophysii;Gonorynchiformes;Chanoidei;Chanid
 ae;Chanos;Chanos chanos

UdeM00000043361 6596 111.7 UdeM00000043361 XP_045180427.1 32.3 279
 146 4 1 242 1 273 1.40E-21 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043362 29159 142.5 UdeM00000043362 XP_034318677.1 41.9 217
 103 7 5 212 13 215 6.10E-31 142.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043363 29159 65.5 UdeM00000043363 XP_019923784.2 35.2 122
 74 2 1 122 57 173 7.70E-08 65.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043364 6573 169.5 UdeM00000043364 XP_021373558.1 62.5 128
 45 1 2 126 110 237 3.00E-39 169.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043365 6579 73.9 UdeM00000043365 XP_033753599.1 44.7 94
 33 2 3 77 9 102 1.00E-10 73.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043367 6596 226.5 UdeM00000043367 XP_045180324.1 38.6 334
 168 5 1 334 1 297 5.60E-56 226.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043368 1735272 266.9 UdeM00000043368 XP_041371313.1 38.5
 369 143 4 16 301 215 582 3.10E-68 266.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043369 1735272 282 UdeM00000043369 XP_041371313.1 68
 175 56 0 1 175 1 175 5.40E-73 282 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043370 6579 359 UdeM00000043370 XP_033761495.1 63.7 278
76 3 35 312 24 276 9.20E-96 359 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043372 1868482 71.6 UdeM00000043372 XP_021568579.1 28.3
205 134 6 98 297 111 307 3.30E-09 71.6 1868482
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Tarsiiformes;Tarsiidae;Carlito;Carlito syricta

UdeM00000043373 1868482 71.6 UdeM00000043373 XP_021568579.1 28.3
205 134 6 98 297 111 307 3.30E-09 71.6 1868482
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Tarsiiformes;Tarsiidae;Carlito;Carlito syricta

UdeM00000043374 1529436 82.4 UdeM00000043374 XP_033114794.1 48.1
77 40 0 1 77 795 871 4.70E-13 82.4 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000043381 6579 382.1 UdeM00000043381 XP_033752673.1 64.6 277
98 0 13 289 376 652 6.30E-103 382.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043382 69319 129.4 UdeM00000043382 XP_014297673.1 39.5 200
96 3 3 177 95 294 4.60E-27 129.4 69319 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Parasitoida;Ichneumonoidea;Braconidae;Microgastrinae;Microplitis;Microplitis demolitor

UdeM00000043386 6596 84.7 UdeM00000043386 XP_045162193.1 39 118
65 3 82 194 456 571 1.60E-13 84.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043387 6596 86.3 UdeM00000043387 XP_045162193.1 39.7 116
63 3 82 192 456 569 5.10E-14 86.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043390 6579 96.7 UdeM00000043390 XP_033729770.1 47.3 110
 51 3 1 103 1 110 2.30E-17 96.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043392 1735272 113.2 UdeM00000043392 XP_041361861.1 31.2
 215 53 2 1 120 1 215 2.40E-22 113.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043391 6579 146.7 UdeM00000043391 XP_033747958.1 58.4 101
 42 0 1 101 57 157 2.40E-32 146.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043393 6565 172.6 UdeM00000043393 XP_022334994.1 34.6 306
 191 7 17 317 81 382 9.10E-40 172.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043394 6565 210.7 UdeM00000043394 XP_022334993.1 60 175
 45 4 37 188 647 819 1.80E-51 210.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043395 6565 110.5 UdeM00000043395 XP_022287303.1 31.6 206
 106 4 47 218 489 693 3.10E-21 110.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043396 6565 107.5 UdeM00000043396 XP_022287303.1 30.6 206
 99 4 47 209 489 693 2.50E-20 107.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043397 1735272 144.1 UdeM00000043397 XP_041366048.1 48
 150 72 3 1 146 1 148 1.50E-31 144.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043398 1735272 216.5 UdeM00000043398 XP_041366048.1 48.9
 227 113 2 11 235 260 485 3.70E-53 216.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043399 37621 70.5 UdeM00000043399 XP_014670827.1 40.2 97
 54 2 19 114 118 211 1.70E-09 70.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus

UdeM00000043401 1047088 71.6 UdeM00000043401 XP_038194410.1 26.9
212 143 6 98 301 111 318 3.50E-09 71.6 1047088
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Cricet
idae;Arvicolinae;Arvicola;Arvicola amphibius

UdeM00000043402 181472 71.2 UdeM00000043402 XP_029975096.1 41.1
73 43 0 77 149 312 384 1.20E-09 71.2 181472
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Blennioidei;Blenniidae;Salariae;Salariae;Salariae fasciatus

UdeM00000043405 29159 288.9 UdeM00000043405 XP_034322429.1 50.2 295
144 2 1 292 148 442 7.30E-75 288.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043406 29159 130.6 UdeM00000043406 XP_034309968.1 43.5 170
84 4 5 167 322 486 5.50E-27 130.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043406 29159 89.7 UdeM00000043406 XP_034309968.1 42.7 96
51 2 392 487 947 1038 1.10E-14 89.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043408 8005 70.1 UdeM00000043408 XP_026872277.2 36.5 104
44 3 15 117 376 458 2.20E-09 70.1 8005 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnoto
idei;Gymnotidae;Electrophorus;Electrophorus electricus

UdeM00000043409 6596 112.5 UdeM00000043409 XP_045180427.1 48.9 180
85 4 76 252 98 273 8.60E-22 112.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043411 941984 63.9 UdeM00000043411 XP_040899707.1 27.4
226 130 8 97 306 908 1115 8.20E-07 63.9 941984

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Carangaria incertae

sedis;Toxotidae;Toxotes;Toxotes jaculatrix

UdeM00000043412 70779 156 UdeM00000043412 XP_015749890.1 35.1 268
 141 8 130 380 170 421 1.40E-34 156 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000043413 2652724 338.6 UdeM00000043413 XP_028512668.1 43.3
 393 205 11 6 380 88 480 1.60E-89 338.6 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000043414 7739 342.8 UdeM00000043414 XP_035688793.1 45.3 395
 193 12 6 378 4 397 8.30E-91 342.8 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000043415 72036 321.6 UdeM00000043415 XP_040563514.1 39.5 382
 231 0 2 383 894 1275 1.30E-84 321.6 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000043416 2652724 256.9 UdeM00000043416 XP_028512668.1 39.8
 369 192 9 4 368 91 433 4.50E-65 256.9 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000043418 6596 550.4 UdeM00000043418 XP_045183249.1 83.7 306
 50 0 1 306 1 306 1.40E-153 550.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043419 6596 266.5 UdeM00000043419 XP_045184048.1 64.4 202
 72 0 96 297 135 336 4.20E-68 266.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043420 6596 563.5 UdeM00000043420 XP_045184048.1 70.8 401
 116 1 96 495 135 535 2.70E-157 563.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043421 6596 302 UdeM00000043421 XP_045184048.1 77 200
 45 1 10 208 336 535 6.40E-79 302 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043422 6596 243 UdeM00000043422 XP_045202248.1 32.4 420
 265 4 14 423 7 417 1.00E-60 243 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043423 6596 256.1 UdeM00000043423 XP_045199854.1 30.7 463
318 3 14 474 333 794 1.20E-64 256.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043424 29159 70.1 UdeM00000043424 XP_034309926.1 22 414
279 9 23 400 3 408 8.40E-09 70.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043425 6596 200.3 UdeM00000043425 XP_045199854.1 28.7 494
309 6 17 469 335 826 7.20E-48 200.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043426 80427 173.3 UdeM00000043426 XP_033019252.1 44.7 197
105 3 291 484 565 760 7.60E-40 173.3 80427 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Unidentata;Episquamata;Laterata;Lacertibaenia;Lacertidae;Lacertinae;Lacerta;Lacerta agilis

UdeM00000043427 7574 135.6 UdeM00000043427 XP_013404488.1 49.3 142
70 1 37 178 28 167 6.30E-29 135.6 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000043428 400682 167.2 UdeM00000043428 XP_019854696.1 47.3
182 90 3 10 189 110 287 2.10E-38 167.2 400682

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscleromorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000043430 6565 136.7 UdeM00000043430 XP_022342305.1 53.4 116
54 0 10 125 1099 1214 2.20E-29 136.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043431 6565 146.7 UdeM00000043431 XP_022306835.1 54.3 138
61 1 20 157 23 158 2.50E-32 146.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043432 400682 164.5 UdeM00000043432 XP_019854696.1 46
187 87 6 67 248 93 270 1.90E-37 164.5 400682

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscleromorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000043433 400682 167.2 UdeM00000043433 XP_019854696.1 47.3
182 90 3 10 189 110 287 2.10E-38 167.2 400682

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscleromorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
UdeM00000043434 6596 83.6 UdeM00000043434 XP_045159615.1 31.8 170
87 4 1 144 188 354 2.40E-13 83.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043435 6596 220.7 UdeM00000043435 XP_045161346.1 41.4 292
136 6 4 266 71 356 2.30E-54 220.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043437 34773 68.9 UdeM00000043437 XP_041950605.1 57.1 56
24 0 12 67 770 825 4.00E-09 68.9 34773 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;Alosa sapidissima
UdeM00000043438 6105 257.7 UdeM00000043438 XP_031566938.1 36 456
231 14 72 523 38 436 4.50E-65 257.7 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000043442 2607531 429.9 UdeM00000043442 XP_036365414.1 58
405 129 7 85 477 75 450 4.30E-117 429.9 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000043443 6596 1417.5 UdeM00000043443 XP_045183410.1 58.5
1376 488 22 72 1402 60 1397 0.00E+00 1417.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043445 6596 347.1 UdeM00000043445 XP_045183587.1 29.4 1774
802 56 53 1609 166 1705 1.40E-91 347.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043446 6596 109.8 UdeM00000043446 XP_045183538.1 39.2 553
287 14 419 951 591 1114 2.00E-20 109.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043447 6596 113.2 UdeM00000043447 XP_045174611.1 34.5 165
103 3 52 212 458 621 4.00E-22 113.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043450 7054 480.7 UdeM00000043450 XP_031328250.1 49.7 467
233 2 1 465 1 467 2.10E-132 480.7 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000043451 6565 93.6 UdeM00000043451 XP_022312527.1 44.8 96
52 1 69 163 70 165 2.70E-16 93.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043452 6579 160.6 UdeM00000043452 XP_033752778.1 41.3 264
127 7 2 255 15 260 2.60E-36 160.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043453 6579 130.2 UdeM00000043453 XP_033748130.1 41.5 195
102 4 20 203 67 260 3.00E-27 130.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043454 6596 355.9 UdeM00000043454 XP_045182316.1 40.6 571
277 13 5 561 361 883 1.30E-94 355.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000043455 1735272 61.2 UdeM00000043455 XP_041359548.1 27.3
143 91 4 548 682 1031 1168 7.40E-06 61.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043457 6596 136 UdeM00000043457 XP_045182313.1 50 146
71 2 18 161 1068 1213 4.50E-29 136 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000043623 6565 158.7 UdeM00000043623 XP_022313168.1 55.6 124
55 0 374 497 230 353 1.90E-35 158.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043624 2607531 253.8 UdeM00000043624 XP_029637007.1 74
169 42 1 40 206 36 204 1.80E-64 253.8 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000043625 6579 292.4 UdeM00000043625 XP_033734454.1 71.7 191
50 2 63 251 154 342 5.70E-76 292.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043627 6565 282 UdeM00000043627 XP_022317067.1 95.3 150
7 0 1 150 1 150 4.60E-73 282 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043628 1735272 100.1 UdeM00000043628 XP_041362775.1 60
75 29 1 1 74 1 75 1.80E-18 100.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000043629 6579 2158.6 UdeM00000043629 XP_033737463.1 67.7
1815 527 30 16 1796 65 1853 0.00E+00 2158.6 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043630 29159 199.5 UdeM00000043630 XP_034334268.1 46.4 194
101 1 1 194 160 350 3.90E-48 199.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043631 6596 60.1 UdeM00000043631 XP_045180427.1 51.2 43
21 0 1 43 231 273 6.00E-06 60.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043632 29159 62.4 UdeM00000043632 XP_034315424.1 36.1 108
60 3 12 116 213 314 4.70E-07 62.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043637 6596 705.7 UdeM00000043637 XP_045213104.1 82 410
74 0 11 420 15 424 3.60E-200 705.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043640 6596 334.7 UdeM00000043640 XP_045213479.1 72.2 227
62 1 6 231 18 244 9.30E-89 334.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043641 45264 242.7 UdeM00000043641 XP_044165535.1 47.6 231
117 1 1 227 294 524 4.70E-61 242.7 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000043642 1735272 152.1 UdeM00000043642 XP_041366822.1 39.4
 231 133 3 354 578 4 233 4.10E-33 152.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043643 29159 309.7 UdeM00000043643 XP_034317111.1 47.8 362
 180 4 2 356 171 530 9.60E-81 309.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043645 6579 88.2 UdeM00000043645 XP_033727551.1 25.9 212
 135 4 180 375 36 241 3.00E-14 88.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043648 6579 96.3 UdeM00000043648 XP_033727573.1 30.6 216
 130 5 8 204 39 253 7.50E-17 96.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043649 8128 96.7 UdeM00000043649 XP_025765397.1 43.9 107
 59 1 2 107 162 268 2.40E-17 96.7 8128 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African
 cichlids;Pseudocrenilabrinae;Oreochromini;Oreochromis;Oreochromis
 niloticus
 UdeM00000043650 10224 107.8 UdeM00000043650 XP_006820181.1 52.3 107
 50 1 3 109 373 478 8.70E-21 107.8 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000043653 6579 97.1 UdeM00000043653 XP_033727573.1 31.1 225
 136 5 8 214 39 262 4.30E-17 97.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043654 543639 80.1 UdeM00000043654 XP_037568308.1 27.1
 192 125 4 5 181 27 218 5.50E-12 80.1 543639
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Dermacentor;Dermacentor
 silvarum
 UdeM00000043655 6579 87 UdeM00000043655 XP_033727573.1 29.2 219
 133 6 13 214 44 257 4.10E-14 87 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043656 6579 84 UdeM00000043656 XP_033727573.1 28.3 219
 134 6 13 209 45 262 3.70E-13 84 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043657 218467 69.3 UdeM00000043657 XP_023232316.1 28.9
 149 95 2 512 649 37 185 2.40E-08 69.3 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000043658 1735272 339.3 UdeM00000043658 XP_041356266.1 52.5
 343 148 5 12 348 35 368 5.60E-90 339.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043659 1735272 128.6 UdeM00000043659 XP_041356266.1 36.1
 180 69 2 1 134 429 608 5.90E-27 128.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043660 7897 100.9 UdeM00000043660 XP_014353137.1 32.3 186
 99 3 7 165 351 536 1.70E-18 100.9 7897 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Coelacanthimorpha;Coelacanthiformes;Coelacanthidae;Latimeria;La
 timeria chalumnae
 UdeM00000043663 29159 258.8 UdeM00000043663 XP_034311318.1 38.5 436
 205 13 1 378 194 624 1.40E-65 258.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043664 29159 94 UdeM00000043664 XP_034305965.1 30.8 201
 117 6 6 200 6 190 2.80E-16 94 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043665 6579 95.5 UdeM00000043665 XP_033734341.1 36.5 156
 84 4 3 152 4 150 8.30E-17 95.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044381 6596 187.6 UdeM00000044381 XP_045199556.1 31.9 354
 236 4 45 395 787 1138 5.00E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034176 1735272 100.9 UdeM00000034176 XP_041353563.1 24.7
 356 241 7 25 369 7 346 3.60E-18 100.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000034177 6579 78.2 UdeM00000034177 XP_033735137.1 55.8 77
34 0 40 116 77 153 7.90E-12 78.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034178 29159 238 UdeM00000034178 XP_034304882.1 43.4 279
153 2 30 303 89 367 1.60E-59 238 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034179 6596 145.6 UdeM00000034179 XP_045187895.1 29.9 375
245 4 38 412 32 388 1.40E-31 145.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034180 6596 154.8 UdeM00000034180 XP_045187895.1 30.2 387
252 4 38 424 32 400 2.40E-34 154.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034182 6573 711.1 UdeM00000034182 XP_021369663.1 66.2 523
175 2 6 526 191 713 1.10E-201 711.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034181 6579 985.3 UdeM00000034181 XP_033749370.1 67.3 712
232 1 23 733 2 713 4.10E-284 985.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034183 6596 218 UdeM00000034183 XP_045216188.1 59.7 191
74 2 15 202 153 343 1.50E-53 218 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034184 6596 206.5 UdeM00000034184 XP_045216188.1 62 158
60 0 2 159 4 161 3.50E-50 206.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034185 6596 919.1 UdeM00000034185 XP_045156735.1 55 804
352 4 20 816 33 833 4.00E-264 919.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034186 6596 389 UdeM00000034186 XP_045156753.1 56.8 359
144 6 15 366 18 372 6.50E-105 389 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034187 6579 126.3 UdeM00000034187 XP_033750197.1 52.1 119
57 0 1 119 287 405 2.70E-26 126.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034188 6565 157.9 UdeM00000034188 XP_022335990.1 70.3 101
30 0 1 101 420 520 8.20E-36 157.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034189 6565 104.4 UdeM00000034189 XP_022345797.1 71.9 64
18 0 1 64 9 72 6.20E-20 104.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034190 6573 92.4 UdeM00000034190 XP_021365625.1 51.7 87
42 0 24 110 40 126 4.60E-16 92.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034191 6596 297 UdeM00000034191 XP_045215575.1 44.7 365
195 5 34 394 44 405 3.70E-77 297 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034192 6596 299.7 UdeM00000034192 XP_045215575.1 45.7 328
174 3 38 361 44 371 5.10E-78 299.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034193 225164 212.2 UdeM00000034193 XP_009061694.1 62.7
150 54 1 1 150 1 148 4.50E-52 212.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000034194 6596 388.3 UdeM00000034194 XP_045189912.1 43.8 482
248 9 24 482 27 508 1.50E-104 388.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034195 6596 124.8 UdeM00000034195 XP_045189912.1 46.4 151
73 3 2 151 538 681 9.70E-26 124.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034196 6565 94.4 UdeM00000034196 XP_022299727.1 50.6 77
 38 0 18 94 658 734 2.00E-16 94.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034197 6579 263.5 UdeM00000034197 XP_033726657.1 50.7 284
 106 3 1 250 223 506 2.80E-67 263.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034198 6596 840.1 UdeM00000034198 XP_045189916.1 36.7 1461
 793 34 23 1449 824 2186 4.20E-240 840.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034199 1735272 365.9 UdeM00000034199 XP_041373795.1 52.2
 356 160 2 5 360 17 362 5.80E-98 365.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000034200 6573 333.6 UdeM00000034200 XP_021355857.1 32.2 734
 451 17 9 706 11 733 6.20E-88 333.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034201 6596 450.7 UdeM00000034201 XP_045156781.1 65.7 335
 110 3 5 336 4 336 1.70E-123 450.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034202 6596 273.9 UdeM00000034202 XP_045156781.1 47.8 289
 151 0 15 303 10 298 2.60E-70 273.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034203 6579 362.5 UdeM00000034203 XP_033751003.1 47.3 465
 203 12 1 430 1 458 7.90E-97 362.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034204 6596 73.6 UdeM00000034204 XP_045211164.1 28.8 132
 90 2 28 157 21 150 4.30E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034205 29159 132.9 UdeM00000034205 XP_011434225.2 48.8 168
 86 0 2 169 397 564 4.00E-28 132.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034206 1735272 129.4 UdeM00000034206 XP_041372210.1 34.6
217 142 0 54 270 415 631 6.90E-27 129.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000034208 400727 132.1 UdeM00000034208 XP_025078313.1 52.3
132 61 2 115 244 80 211 9.50E-28 132.1 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000034209 6579 242.3 UdeM00000034209 XP_033749711.1 49.5 277
106 6 1 248 1 272 1.00E-60 242.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034210 1735272 299.3 UdeM00000034210 XP_041366953.1 76.8
198 46 0 1 198 1 198 3.70E-78 299.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000034211 6579 395.6 UdeM00000034211 XP_033750685.1 80.4 235
46 0 1 235 1 235 6.30E-107 395.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034213 50390 104 UdeM00000034213 XP_028149250.1 37.8 196
108 8 1 190 34 221 2.20E-19 104 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera
UdeM00000034212 6573 112.1 UdeM00000034212 XP_021345950.1 40.1 177
89 4 17 177 118 293 7.80E-22 112.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034214 6596 637.9 UdeM00000034214 XP_045156550.1 63 495
179 2 22 512 31 525 1.10E-179 637.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034215 6596 454.9 UdeM00000034215 XP_045156551.1 71.3 366
93 5 121 477 146 508 1.30E-124 454.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034216 6596 1947.9 UdeM00000034216 XP_045216816.1 43.9
2450 1274 27 87 2499 79 2464 0.00E+00 1947.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034217 6579 125.9 UdeM00000034217 XP_033750133.1 59.6 94
37 1 529 622 728 820 1.80E-25 125.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034218 6596 233.4 UdeM00000034218 XP_045215756.1 53.5 228
102 3 26 253 866 1089 3.30E-58 233.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034220 6596 342.8 UdeM00000034220 XP_045215762.1 45.5 352
172 6 16 363 15 350 5.80E-91 342.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034219 6596 270.4 UdeM00000034219 XP_045215761.1 47.4 266
123 4 129 391 181 432 3.90E-69 270.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034221 2607531 226.9 UdeM00000034221 XP_029635195.1 48.6
222 111 1 10 228 101 322 4.40E-56 226.9 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000034222 6573 323.2 UdeM00000034222 XP_021368462.1 61.6 245
94 0 1 245 107 351 3.70E-85 323.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043699 6596 204.9 UdeM00000043699 XP_045174881.1 62.5 144
54 0 9 152 9 152 7.60E-50 204.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043700 6596 264.6 UdeM00000043700 XP_045174881.1 64 189
68 0 9 197 9 197 1.10E-67 264.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000038923 6596 184.1 UdeM00000038923 XP_045182316.1 41.7 266
 117 6 1 245 392 640 2.40E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038924 6565 184.9 UdeM00000038924 XP_022334993.1 52 177
 83 1 42 216 374 550 1.10E-43 184.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038925 6565 301.6 UdeM00000038925 XP_022334993.1 60 240
 93 3 1 238 574 812 9.10E-79 301.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038927 6596 671 UdeM00000038927 XP_045187536.1 66.6 500
 164 2 2 501 228 724 1.20E-189 671 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038928 6596 436 UdeM00000038928 XP_045187536.1 63.7 331
 118 1 1 331 396 724 4.20E-119 436 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038932 37653 149.1 UdeM00000038932 XP_014789722.1 41.1 246
 38 2 19 160 1387 1629 5.20E-33 149.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000038933 6596 186.8 UdeM00000038933 XP_045181000.1 49.2 244
 44 2 24 188 1302 1544 2.60E-44 186.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038934 400727 62.4 UdeM00000038934 XP_025090830.1 81.6
 38 7 0 85 122 1146 1183 4.70E-07 62.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038935 1735272 257.7 UdeM00000038935 XP_041347279.1 35.6
 438 243 11 1 407 1 430 2.50E-65 257.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038937 7054 274.2 UdeM00000038937 XP_031350480.1 54.3 219
 99 1 1 218 249 467 1.40E-70 274.2 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000038938 7054 203.8 UdeM00000038938 XP_031328250.1 49.1 224
 113 1 1 223 1 224 2.40E-49 203.8 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000038939 29159 143.7 UdeM00000038939 XP_034307860.1 53 149
 46 1 1 125 1 149 1.60E-31 143.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038940 29159 94.7 UdeM00000038940 XP_034307860.1 54.2 83
 38 0 1 83 1 83 5.80E-17 94.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038942 6596 436 UdeM00000038942 XP_045187536.1 63.7 331
 118 1 1 331 396 724 4.20E-119 436 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044426 6596 172.6 UdeM00000044426 XP_045208226.1 64.7 133
 46 1 17 148 8 140 3.90E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043827 6579 100.9 UdeM00000043827 XP_033731337.1 33.1 160
 95 3 649 806 174 323 8.00E-18 100.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043828 6579 101.3 UdeM00000043828 XP_033731337.1 33.1 160
 95 3 351 508 174 323 3.90E-18 101.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043840 208964 135.2 UdeM00000043840 NP_250340.1 42.1 261
 125 5 1 247 5 253 1.10E-28 135.2 208964
 cellular
 organisms;Bacteria;Proteobacteria;Gammaproteobacteria;Pseudomonadales;Pse
 udomonadaceae;Pseudomonas;Pseudomonas aeruginosa group;Pseudomonas
 aeruginosa;Pseudomonas aeruginosa PA01
 UdeM00000043841 51031 268.9 UdeM00000043841 XP_013306300.1 52.6 272
 129 0 4 275 24 295 7.40E-69 268.9 51031 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa;Nematoda;Chromadorea;Strongylida;Ancylostomatoidea;Ancylostomatidae;Bunostominae;Necator;Necator americanus

UdeM00000043842 208964 402.5 UdeM00000043842 NP_253797.1 58 333
135 2 7 335 5 336 5.50E-109 402.5 208964

cellular

organisms;Bacteria;Proteobacteria;Gammaproteobacteria;Pseudomonadales;Pseudomonadaceae;Pseudomonas;Pseudomonas aeruginosa group;Pseudomonas aeruginosa;Pseudomonas aeruginosa PA01

UdeM00000024600 6596 250 UdeM00000024600 XP_045177112.1 28.8 570
354 12 74 602 90 648 7.90E-63 250 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024601 6565 103.2 UdeM00000024601 XP_022325441.1 26.3 373
230 11 2 354 137 484 7.00E-19 103.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024602 6565 107.8 UdeM00000024602 XP_022326448.1 34.7 173
80 3 31 170 772 944 1.50E-20 107.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024603 6596 130.2 UdeM00000024603 XP_045206055.1 28 325
145 6 1 238 118 440 3.70E-27 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024604 6573 104 UdeM00000024604 XP_021369020.1 28 239
136 3 3 241 494 696 3.30E-19 104 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024605 1735272 231.1 UdeM00000024605 XP_041365824.1 42.6
303 166 3 32 333 35 330 2.10E-57 231.1 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024606 6573 495.7 UdeM00000024606 XP_021369020.1 39.5 722
395 6 12 732 16 696 1.00E-136 495.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024607 400727 86.3 UdeM00000024607 XP_025088218.1 38
100 60 1 8 107 11 108 3.90E-14 86.3 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000024608 6596 246.1 UdeM00000024608 XP_045176016.1 64.6 189
63 3 30 216 202 388 4.00E-62 246.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024609 6573 81.3 UdeM00000024609 XP_021353383.1 87.8 49
6 0 13 61 9 57 5.80E-13 81.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024610 29159 147.1 UdeM00000024610 XP_034310118.1 25 597
330 17 24 536 5 567 6.40E-32 147.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024611 326594 82.8 UdeM00000024611 XP_011501916.1 77.6
49 11 0 119 167 261 309 4.70E-13 82.8 326594
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Parasitoida;Chalcidoidea;Agaonidae;Agaoninae;Ceratosolen;Ceratosolen solmsi;Ceratosolen solmsi marchali

UdeM00000024612 6579 135.6 UdeM00000024612 XP_033752833.1 35.5 217
101 6 94 309 140 318 1.10E-28 135.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024614 6579 135.6 UdeM00000024614 XP_033752833.1 35.6 219
98 5 15 230 140 318 1.30E-28 135.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024615 6579 136.3 UdeM00000024615 XP_033752833.1 34.6 228
112 4 47 274 131 321 5.80E-29 136.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024616 1232801 123.2 UdeM00000024616 XP_043215542.1 48.8
129 56 2 1 121 1 127 3.60E-25 123.2 1232801
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanidae;Amphibalanus;Amphibalanus amphitrite

UdeM00000024617 13686 313.2 UdeM00000024617 XP_011170408.3 41.1 411
217 9 95 488 125 527 6.10E-82 313.2 13686 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsis invicta

UdeM00000024618 29053 129.4 UdeM00000024618 XP_014216996.1 58.8 102
42 0 152 253 65 166 6.50E-27 129.4 29053 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Parasitoida; Chalcidoidea; Encyrtidae; Encyrtinae; Copidosoma; Copidosoma floridanum

UdeM00000024619 6573 281.2 UdeM00000024619 XP_021353303.1 56.8 315
116 9 1 303 11 317 1.60E-72 281.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000024620 6596 169.1 UdeM00000024620 XP_045176167.1 36.6 246
150 3 5 245 4 248 7.10E-39 169.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024621 6596 172.9 UdeM00000024621 XP_045176167.1 38.2 246
146 3 5 245 4 248 4.90E-40 172.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024622 6596 345.5 UdeM00000024622 XP_045176167.1 65.5 252
85 1 1 252 1 250 5.70E-92 345.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024623 29159 114.4 UdeM00000024623 XP_011420572.1 48.4 128
60 3 1 128 1 122 1.10E-22 114.4 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000024624 6596 365.2 UdeM00000024624 XP_045177362.1 45.2 427
209 7 5 416 7 423 1.20E-97 365.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024625 6596 347.4 UdeM00000024625 XP_045177362.1 42.9 431
216 6 5 418 8 425 2.50E-92 347.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024626 6596 344 UdeM00000024626 XP_045177362.1 42.6 420
228 6 5 415 7 422 2.80E-91 344 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024627 6596 844 UdeM00000024627 XP_045175570.1 95.7 463
19 1 1 462 1 463 9.30E-242 844 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024628 29159 370.5 UdeM00000024628 XP_034332164.1 56.2 299
129 1 3 301 2 298 2.00E-99 370.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024629 6596 194.5 UdeM00000024629 XP_045176237.1 34.3 423
183 14 6 356 4 403 2.30E-46 194.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024630 1735272 253.4 UdeM00000024630 XP_041367001.1 53.1
224 103 2 222 444 28 250 5.20E-64 253.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024631 7741 241.5 UdeM00000024631 XP_019622111.1 50.8 244
115 4 1 242 38 278 1.10E-60 241.5 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000024632 1735272 211.1 UdeM00000024632 XP_041366306.1 26.6
624 387 11 85 683 131 708 7.90E-51 211.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024633 6573 229.9 UdeM00000024633 XP_021360909.1 35 426
222 8 27 448 5 379 6.30E-57 229.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024634 1735272 560.1 UdeM00000024634 XP_041365198.1 59.4
488 187 4 10 487 183 669 2.80E-156 560.1 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024635 37621 103.2 UdeM00000024635 XP_014674238.1 41.2 131
71 2 94 220 10 138 5.10E-19 103.2 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000024636 6596 276.9 UdeM00000024636 XP_045176593.1 92.7 151
11 0 1 151 1 151 1.50E-71 276.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024637 225164 166.4 UdeM00000024637 XP_009048365.1 64.7
119 42 0 7 125 5 123 2.30E-38 166.4 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000024638 1735272 366.3 UdeM00000024638 XP_041367682.1 53.2
325 142 3 27 351 169 483 4.30E-98 366.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024639 1735272 567 UdeM00000024639 XP_041367682.1 55.7
485 201 4 7 487 9 483 2.30E-158 567 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024640 400727 547.4 UdeM00000024640 XP_025086971.1 56.7
448 182 4 43 489 50 486 1.90E-152 547.4 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000024641 225164 597 UdeM00000024641 XP_009048365.1 61.2
469 166 5 21 484 19 476 2.10E-167 597 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000024642 225164 553.9 UdeM00000024642 XP_009048365.1 59.9
439 172 4 43 480 41 476 2.00E-154 553.9 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000024643 225164 588.6 UdeM00000024643 XP_009048365.1 59.1
484 185 5 5 487 5 476 7.40E-165 588.6 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000024644 6579 193.4 UdeM00000024644 XP_033752989.1 30.4 517
324 9 8 502 11 513 7.20E-46 193.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024645 29159 93.6 UdeM00000024645 XP_011422797.2 44.4 90
50 0 17 106 14 103 2.30E-16 93.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024646 6596 529.3 UdeM00000024646 XP_045175384.1 75.5 327
75 2 3 327 4 327 3.60E-147 529.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024647 6596 232.6 UdeM00000024647 XP_045175564.1 45.4 269
 142 4 106 373 36 300 7.90E-58 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024648 1735272 175.3 UdeM00000024648 XP_041366062.1 30.4
 760 402 29 2480 3144 2339 3066 1.30E-39 175.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024650 29159 141.4 UdeM00000024650 XP_034331441.1 45.8 153
 81 1 1 153 1 151 1.00E-30 141.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024651 6596 464.5 UdeM00000024651 XP_045176796.1 64.7 371
 110 7 1 354 1 367 1.20E-127 464.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024652 6596 449.1 UdeM00000024652 XP_045176796.1 63.6 379
 109 9 1 362 1 367 5.20E-123 449.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024653 6596 140.6 UdeM00000024653 XP_045175847.1 69 100
 31 0 6 105 5 104 1.20E-30 140.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024654 6596 609 UdeM00000024654 XP_045175842.1 56 763
 293 13 6 748 27 766 8.20E-171 609 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024655 6596 1109.7 UdeM00000024655 XP_045176927.1 66.8
 879 269 14 9 874 15 883 0.00E+00 1109.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024656 114398 406.8 UdeM00000024656 XP_042903861.1 39.7
 574 335 6 1 570 1 567 4.70E-110 406.8 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Araneae; Araneomorphae; Entelegynae; Orbiculariae; Araneoidea; Theridiidae; Parasteatoda; Parasteatoda tepidariorum

UdeM00000024657 260995 81.3 UdeM00000024657 XP_033812940.1 51.4
74 35 1 1 74 1 73 7.70E-13 81.3 260995

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amphibia; Gymnophiona; Dermophiidae; Geotrypetes; Geotrypetes seraphini

UdeM00000024658 1415580 532.7 UdeM00000024658 XP_030075314.1 55.3
510 191 6 1 482 125 625 4.80E-148 532.7 1415580

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amphibia; Gymnophiona; Siphonopidae; Microcaecilia; Microcaecilia unicolor

UdeM00000024659 6565 302.4 UdeM00000024659 XP_022312737.1 60.6 231
89 2 85 314 86 315 7.00E-79 302.4 6565 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000024660 6573 473.8 UdeM00000024660 XP_021356047.1 50.1 489
238 2 73 560 21 504 3.30E-130 473.8 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000024662 6573 611.3 UdeM00000024662 XP_021374492.1 55.7 603
178 8 8 541 4 586 1.30E-171 611.3 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000024664 7091 316.2 UdeM00000024664 XP_037872913.1 36 569
330 10 1 563 252 792 8.50E-83 316.2 7091 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Amphiesmenoptera; Lepidoptera; Glossata; Neolepidoptera; Heteroneura; Ditrysia; Obtectomera; Bombycoidea; Bombycidae; Bombycinae; Bombyx; Bombyx mori

UdeM00000024665 6565 482.3 UdeM00000024665 XP_022306197.1 44.4 657
250 13 2 557 40 682 8.60E-133 482.3 6565 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000024666 6596 135.6 UdeM00000024666 XP_045176115.1 36.9 260
135 7 3 254 4 242 9.00E-29 135.6 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024667 6596 212.6 UdeM00000024667 XP_045194650.1 34.7 392
222 8 12 376 21 405 9.70E-52 212.6 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024668 6596 199.1 UdeM00000024668 XP_045193707.1 32.4 392
 236 6 12 381 22 406 1.10E-47 199.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024669 6596 204.1 UdeM00000024669 XP_045193707.1 32.3 387
 238 6 12 376 22 406 3.40E-49 204.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024670 6573 154.1 UdeM00000024670 XP_021347744.1 45.3 172
 92 2 3 173 4 174 1.80E-34 154.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024671 6596 415.2 UdeM00000024671 XP_045175466.1 45.2 564
 223 14 8 511 52 589 1.20E-112 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024672 6596 117.1 UdeM00000024672 XP_045176939.1 76.5 81
 18 1 278 358 299 378 5.10E-23 117.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024673 6573 373.2 UdeM00000024673 XP_021350357.1 50.4 371
 174 5 18 387 18 379 4.10E-100 373.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024674 6573 313.2 UdeM00000024674 XP_021350357.1 45.8 371
 176 7 18 372 18 379 4.90E-82 313.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024675 6596 77.8 UdeM00000024675 XP_045175576.1 28.3 159
 102 4 33 184 29 182 1.60E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024676 6596 77.8 UdeM00000024676 XP_045175576.1 28.3 159
 102 4 25 176 29 182 1.60E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024677 6573 62.4 UdeM00000024677 XP_021350341.1 27.5 138
 90 2 2 131 1 136 6.50E-07 62.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024678 29159 69.3 UdeM00000024678 XP_011456356.2 26.4 265
 147 10 13 251 5 247 8.20E-09 69.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024679 400727 144.4 UdeM00000024679 XP_025086352.1 57.8
 135 54 2 132 264 181 314 2.10E-31 144.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024680 400727 141.7 UdeM00000024680 XP_025086352.1 58.4
 125 50 1 132 254 181 305 1.30E-30 141.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024682 6579 119.8 UdeM00000024682 XP_033751337.1 60.4 91
 17 1 74 164 680 751 1.10E-23 119.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024683 29159 84.3 UdeM00000024683 XP_011439963.2 53 83
 37 1 38 120 128 208 5.10E-13 84.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024685 6565 105.1 UdeM00000024685 XP_022332875.1 55.1 89
 40 0 2 90 28 116 1.10E-19 105.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024686 6579 132.9 UdeM00000024686 XP_033739209.1 52 127
 58 1 9 132 2 128 3.40E-28 132.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024687 6596 644.8 UdeM00000024687 XP_045174792.1 79.4 393
 79 1 52 442 61 453 8.20E-182 644.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024688 6596 587.4 UdeM00000024688 XP_045174792.1 72.1 405
 99 2 52 454 61 453 1.60E-164 587.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024689 6596 306.6 UdeM00000024689 XP_045174792.1 81.3 182
 32 1 1 180 205 386 2.10E-80 306.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024690 6579 515 UdeM00000024690 XP_033740429.1 32 1075
 619 32 235 1297 594 1568 2.80E-142 515 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024691 6596 700.7 UdeM00000024691 XP_045176276.1 47.1 889
 395 21 161 993 36 905 2.80E-198 700.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024692 29159 1142.1 UdeM00000024692 XP_034313562.1 67.1
 832 270 4 9 837 972 1802 0.00E+00 1142.1
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024693 6596 374.8 UdeM00000024693 XP_045175850.1 70.7 280
 76 2 13 286 13 292 9.90E-101 374.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024695 6596 701 UdeM00000024695 XP_045175992.1 88.3 366
 43 0 1 366 1 366 7.70E-199 701 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024694 6596 793.1 UdeM00000024694 XP_045175992.1 86.2 426
 58 1 1 425 1 426 1.70E-226 793.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024696 6565 244.2 UdeM00000024696 XP_022338168.1 58.7 206
 85 0 16 221 1076 1281 1.60E-61 244.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024697 6579 82.8 UdeM00000024697 XP_033752791.1 43.8 105
 54 1 30 129 975 1079 3.50E-13 82.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024698 6573 632.1 UdeM00000024698 XP_021342588.1 57.1 553
 198 10 1 538 403 931 8.10E-178 632.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000024699 6596 583.6 UdeM00000024699 XP_045176202.1 79.2 365
75 1 25 389 28 391 2.00E-163 583.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024700 6596 615.9 UdeM00000024700 XP_045176202.1 77 392
89 1 1 392 1 391 3.60E-173 615.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024701 6565 125.9 UdeM00000024701 XP_022286451.1 39.3 219
113 6 6 207 7 222 7.50E-26 125.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000024702 6596 205.3 UdeM00000024702 XP_045175821.1 60.2 181
36 4 1 155 15 185 6.10E-50 205.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024704 6596 449.5 UdeM00000024704 XP_045175821.1 73.3 292
78 0 27 318 186 477 3.50E-123 449.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024705 133434 740.7 UdeM00000024705 XP_022094946.1 55.2
648 262 9 33 657 38 680 1.70E-210 740.7 133434
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci
UdeM00000024706 133434 108.6 UdeM00000024706 XP_022094946.1 69.8
63 19 0 2 64 569 631 7.30E-21 108.6 133434
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci
UdeM00000024707 6596 454.5 UdeM00000024707 XP_045211962.1 61.4 350
135 0 33 382 36 385 1.40E-124 454.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024709 7604 118.6 UdeM00000024709 XP_033638875.1 57.6 85
31 1 39 118 379 463 5.30E-24 118.6 7604 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatacida;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000024711 6596 89.4 UdeM00000024711 XP_045211962.1 40.9 93
 53 1 42 134 9 99 4.30E-15 89.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024712 6596 157.9 UdeM00000024712 XP_045211962.1 49.3 136
 67 1 4 139 9 142 9.30E-36 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024713 46514 796.2 UdeM00000024713 XP_038053214.1 60.6 614
 236 4 33 640 38 651 3.60E-227 796.2 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000024714 6596 376.7 UdeM00000024714 XP_045211962.1 55.4 316
 141 0 33 348 36 351 3.20E-101 376.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024715 46514 812 UdeM00000024715 XP_038053214.1 60.4 623
 241 4 33 649 38 660 6.30E-232 812 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000024716 46514 793.9 UdeM00000024716 XP_038053214.1 59.5 615
 243 4 33 641 38 652 1.80E-226 793.9 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000024717 46514 822 UdeM00000024717 XP_038053214.1 60.6 649
 248 6 33 674 38 685 6.10E-235 822 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000024718 46514 828.2 UdeM00000024718 XP_038053214.1 60.2 649
 250 6 33 674 38 685 8.50E-237 828.2 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000024721 1735272 106.3 UdeM00000024721 XP_041367593.1 52.1
 140 67 0 21 160 19 158 3.70E-20 106.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024722 7741 162.9 UdeM00000024722 XP_019641287.1 60.7 112
 41 2 1 109 1 112 2.70E-36 162.9 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000024728 6579 116.3 UdeM00000024728 XP_033751571.1 31.9 207
 134 4 11 210 153 359 5.00E-23 116.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024729 6579 110.5 UdeM00000024729 XP_033751571.1 40.7 135
 78 2 50 182 195 329 2.40E-21 110.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024730 6579 132.1 UdeM00000024730 XP_033751571.1 44.1 152
 83 2 50 199 195 346 8.80E-28 132.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024731 6526 62.4 UdeM00000024731 XP_013073559.1 36.2 94
 58 2 50 141 154 247 5.40E-07 62.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000024732 6579 132.5 UdeM00000024732 XP_033751571.1 44.7 152
 82 2 50 199 195 346 6.50E-28 132.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024733 6579 141 UdeM00000024733 XP_033751571.1 40.7 167
 98 1 36 201 180 346 1.90E-30 141 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024734 6573 489.2 UdeM00000024734 XP_021368350.1 64.1 368
 131 1 29 396 32 398 5.00E-135 489.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024735 6573 474.9 UdeM00000024735 XP_021368351.1 64.1 359
 128 1 29 387 32 389 9.50E-131 474.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024736 6573 448 UdeM00000024736 XP_021368350.1 61.8 351
 133 1 1 351 34 383 1.20E-122 448 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024737 6573 436.4 UdeM00000024737 XP_021368351.1 62 342
 129 1 1 342 34 374 3.50E-119 436.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024738 6579 124.4 UdeM00000024738 XP_033729770.1 43.8 178
 74 7 1 171 1 159 1.40E-25 124.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000024739 6579 104 UdeM00000024739 XP_033729770.1 46 137
56 5 1 130 1 126 1.70E-19 104 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000024741 6565 255.8 UdeM00000024741 XP_022321940.1 23.7 670
498 9 15 674 16 682 1.60E-64 255.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000024742 6565 263.1 UdeM00000024742 XP_022321940.1 23.9 670
497 9 15 674 16 682 9.90E-67 263.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000024743 6565 266.5 UdeM00000024743 XP_022321940.1 24 670
496 9 15 674 16 682 9.00E-68 266.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000024746 6573 98.6 UdeM00000024746 XP_021353442.1 42.6 115
62 2 17 127 13 127 6.40E-18 98.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000024747 6596 204.5 UdeM00000024747 XP_045169960.1 23.7 498
369 6 3 494 118 610 3.10E-49 204.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024749 6596 108.2 UdeM00000024749 XP_045169960.1 27.6 199
138 3 1 193 412 610 1.20E-20 108.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024750 6565 263.8 UdeM00000024750 XP_022321940.1 25.2 671
487 8 15 674 16 682 5.80E-67 263.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000024751 6579 478.8 UdeM00000024751 XP_033751476.1 75.2 307
65 1 8 314 4 299 6.60E-132 478.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000024752 6596 2167.1 UdeM00000024752 XP_045175137.1 63.9
1783 605 17 24 1793 19 1776 0.00E+00 2167.1 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024753 29159 1363.2 UdeM00000024753 XP_019918054.2 67.5
992 312 7 1 987 1 987 0.00E+00 1363.2
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024756 6573 484.6 UdeM00000024756 XP_021371381.1 61.7 379
138 4 1 375 1 376 1.20E-133 484.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024754 225164 206.1 UdeM00000024754 XP_009051889.1 87.3
110 14 0 1 110 790 899 2.40E-50 206.1 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000024755 6565 506.5 UdeM00000024755 XP_022303010.1 69.1 363
112 0 1 363 408 770 2.80E-140 506.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024757 1250792 110.9 UdeM00000024757 XP_041844020.1 38.4
151 92 1 117 267 56 205 3.10E-21 110.9 1250792

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000024758 400682 67.4 UdeM00000024758 XP_003390251.1 27.7
202 62 2 12 129 432 633 1.50E-08 67.4 400682

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscleromorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000024759 6596 122.1 UdeM00000024759 XP_045158584.1 54.9 113
46 3 34 144 67 176 5.80E-25 122.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024760 37621 139 UdeM00000024760 XP_014675321.1 49.6 127
64 0 1 127 276 402 4.10E-30 139 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulid;Priapulid caudatus

UdeM00000024761 37621 173.3 UdeM00000024761 XP_014675321.1 66.7 114
38 0 1 114 1 114 1.90E-40 173.3 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulid;Priapulid caudatus

UdeM00000024766 6579 305.4 UdeM00000024766 XP_033743002.1 49.2 309
 127 3 1 285 90 392 7.40E-80 305.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024767 6596 64.7 UdeM00000024767 XP_045191827.1 30 120
 77 3 312 429 49 163 3.30E-07 64.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024769 225164 211.5 UdeM00000024769 XP_009065707.1 36.9
 355 193 5 7 336 46 394 1.80E-51 211.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000024770 6596 120.6 UdeM00000024770 XP_045169960.1 28.2 216
 149 3 1 210 395 610 2.50E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024771 6573 72.4 UdeM00000024771 XP_021365449.1 38 129
 69 1 1 129 433 550 4.80E-10 72.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024772 6565 254.6 UdeM00000024772 XP_022321940.1 23.6 670
 499 9 15 674 16 682 3.50E-64 254.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024773 7741 61.2 UdeM00000024773 XP_019620661.1 36.5 104
 64 2 65 166 27 130 1.70E-06 61.2 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000024775 225164 205.7 UdeM00000024775 XP_009065707.1 36.4
 354 194 5 7 335 46 393 9.60E-50 205.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000024776 6565 266.9 UdeM00000024776 XP_022321940.1 24.5 670
 493 9 15 674 16 682 6.90E-68 266.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024777 6573 71.2 UdeM00000024777 XP_021365449.1 35.7 129
 72 1 1 129 433 550 1.10E-09 71.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024778 6596 106.3 UdeM00000024778 XP_045169960.1 28.1 199
 137 3 1 193 412 610 4.50E-20 106.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024779 6573 95.9 UdeM00000024779 XP_021353442.1 41.7 115
 63 2 17 127 13 127 4.10E-17 95.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024782 225164 100.1 UdeM00000024782 XP_009065707.1 36.2
 174 89 2 6 157 45 218 2.70E-18 100.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000024783 6565 266.5 UdeM00000024783 XP_022321940.1 25.2 662
 478 11 15 664 16 672 9.00E-68 266.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024784 6565 90.1 UdeM00000024784 XP_022333999.1 44.9 98
 51 2 14 109 112 208 1.90E-15 90.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024785 29159 63.9 UdeM00000024785 XP_011420009.2 23 270
 180 4 18 278 226 476 3.80E-07 63.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024786 6573 78.2 UdeM00000024786 XP_021366217.1 42.2 83
 48 0 11 93 558 640 6.40E-12 78.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024787 6573 77.4 UdeM00000024787 XP_021365449.1 39.5 129
 67 1 1 129 433 550 1.50E-11 77.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024788 6573 195.7 UdeM00000024788 XP_021365449.1 28.8 535
 351 10 21 541 32 550 1.60E-46 195.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024789 29159 501.9 UdeM00000024789 XP_011434753.1 81.8 296
 45 1 1 296 3 289 5.60E-139 501.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024790 400727 229.2 UdeM00000024790 XP_025087470.1 80.2
 162 32 0 1 162 1 162 3.80E-57 229.2 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000024791 6596 674.1 UdeM00000024791 XP_045175533.1 28.7 2000
1290 55 327 2257 6 1938 6.20E-190 674.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024792 6596 776.9 UdeM00000024792 XP_045175533.1 30.3 2009
1211 57 374 2301 39 1938 6.90E-221 776.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024793 6596 761.5 UdeM00000024793 XP_045175533.1 30.9 1880
1122 52 451 2258 164 1938 3.00E-216 761.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024794 6596 773.9 UdeM00000024794 XP_045175533.1 30.3 2011
1210 58 374 2303 39 1938 5.90E-220 773.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024795 37653 197.6 UdeM00000024795 XP_014776876.1 52.7 222
85 5 23 235 4 214 1.80E-47 197.6 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000024796 37653 197.2 UdeM00000024796 XP_014776876.1 54.5 211
87 4 23 224 4 214 2.20E-47 197.2 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000024797 6573 65.5 UdeM00000024797 XP_021340041.1 36.8 136
80 4 10 142 2 134 6.40E-08 65.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000024798 6579 91.3 UdeM00000024798 XP_033760709.1 56.1 66
29 0 16 81 280 345 6.20E-16 91.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000024799 6596 422.5 UdeM00000024799 XP_045175533.1 32.8 933
535 24 2 884 1048 1938 1.30E-114 422.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024800 6596 323.6 UdeM00000024800 XP_045175533.1 27 1052
 671 36 36 1042 23 1022 9.50E-85 323.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024801 6596 305.4 UdeM00000024801 XP_045175533.1 28.3 902
 564 30 131 997 169 1022 2.60E-79 305.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024802 6565 61.6 UdeM00000024802 XP_022326780.1 37.1 89
 53 2 1 88 111 197 7.80E-07 61.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024803 6579 91.3 UdeM00000024803 XP_033760709.1 56.9 65
 28 0 14 78 281 345 6.00E-16 91.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024804 6596 142.9 UdeM00000024804 XP_045175533.1 49.1 161
 74 5 21 174 1779 1938 3.90E-31 142.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024806 6579 87.8 UdeM00000024806 XP_033760709.1 53.2 77
 33 2 6 79 269 345 6.70E-15 87.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024807 6596 802.7 UdeM00000024807 XP_045175533.1 30.8 2028
 1230 54 36 2001 23 1938 1.00E-228 802.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024808 6596 805.4 UdeM00000024808 XP_045175533.1 30.8 2026
 1231 53 36 1999 23 1938 1.60E-229 805.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024817 6596 800.8 UdeM00000024817 XP_045174866.1 86.2 480
 62 2 32 507 75 554 9.90E-229 800.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024818 6596 81.6 UdeM00000024818 XP_045174866.1 51.9 79
 33 2 1 78 1 75 4.80E-13 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024819 6573 184.1 UdeM00000024819 XP_021353396.1 85.5 110
16 0 4 113 48 157 9.90E-44 184.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024820 6573 267.7 UdeM00000024820 XP_021353396.1 88.9 153
17 0 4 156 48 200 1.90E-68 267.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024821 225164 99 UdeM00000024821 XP_009066015.1 95.8
48 2 0 7 54 38 85 7.90E-18 99 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000024822 6596 3902.8 UdeM00000024822 XP_045156859.1 41.9
4802 2593 58 1 4768 7002 11641 0.00E+00 3902.8 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024823 6596 4219.1 UdeM00000024823 XP_045156859.1 33.8
6349 3931 88 14 6210 378 6603 0.00E+00 4219.1 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024824 6573 335.1 UdeM00000024824 XP_021353372.1 49.3 343
168 4 18 360 19 355 1.10E-88 335.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024825 6573 282 UdeM00000024825 XP_021353372.1 45.1 346
165 8 18 347 19 355 1.10E-72 282 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024826 29159 2596.6 UdeM00000024826 XP_034301655.1 40
3448 1884 51 44 3347 27 3433 0.00E+00 2596.6

29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024827 6596 6892 UdeM00000024827 XP_045156859.1 36.6 9671
5694 134 1 9456 2098 11548 0.00E+00 6892 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024828 6596 6887.4 UdeM00000024828 XP_045156859.1 36.6
9673 5695 134 1 9458 2098 11548 0.00E+00 6887.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024829 6573 1495.7 UdeM00000024829 XP_021353372.1 43.8
1770 932 24 1 1719 368 2125 0.00E+00 1495.7 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024830 29159 2735.3 UdeM00000024830 XP_034301655.1 41.7
3445 1905 55 45 3427 29 3433 0.00E+00 2735.3
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024831 29159 484.6 UdeM00000024831 XP_034314164.1 34.2 801
463 15 21 769 32 820 2.40E-133 484.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024832 6596 130.2 UdeM00000024832 XP_045156859.1 50 116
58 0 3 118 10897 11012 1.80E-27 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024833 29159 254.2 UdeM00000024833 XP_034331879.1 36.6 443
196 10 5 372 3114 3546 2.80E-64 254.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024835 6573 69.7 UdeM00000024835 XP_021356985.1 46.8 62
33 0 16 77 1643 1704 1.90E-09 69.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024836 6565 171 UdeM00000024836 XP_022293358.1 41.7 204
92 3 1 178 1785 1987 1.50E-39 171 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024837 6596 190.3 UdeM00000024837 XP_045156787.1 47.1 204
95 1 24 227 1939 2129 2.80E-45 190.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024838 6565 135.6 UdeM00000024838 XP_022293986.1 28.2 358
 164 5 12 276 2475 2832 1.00E-28 135.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024839 6596 287.3 UdeM00000024839 XP_045156787.1 40.4 354
 207 2 3 354 2898 3249 2.80E-74 287.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024840 29159 116.7 UdeM00000024840 XP_034301655.1 36.8 163
 102 1 54 215 3271 3433 3.70E-23 116.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024841 29159 2714.5 UdeM00000024841 XP_034301655.1 41
 3454 1928 50 50 3441 27 3433 0.00E+00 2714.5
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024842 6579 538.5 UdeM00000024842 XP_033751849.1 66.8 380
 126 0 140 519 80 459 9.40E-150 538.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024844 6596 273.5 UdeM00000024844 XP_045175583.1 83.3 156
 26 0 1 156 1 156 1.70E-70 273.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024845 1735272 68.6 UdeM00000024845 XP_041367811.1 53.3
 60 24 1 261 316 242 301 1.70E-08 68.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024846 1735272 93.6 UdeM00000024846 XP_041366607.1 46.8
 111 56 2 84 191 65 175 3.10E-16 93.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024847 1735272 93.6 UdeM00000024847 XP_041366607.1 46.8
 111 56 2 70 177 65 175 2.90E-16 93.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024848 1735272 91.7 UdeM00000024848 XP_041366607.1 60.3
 73 29 0 98 170 92 164 1.00E-15 91.7 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024849 6596 643.7 UdeM00000024849 XP_045175681.1 57.7 596
234 8 19 609 15 597 2.40E-181 643.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024850 6579 318.5 UdeM00000024850 XP_033753643.1 42.7 473
220 9 1 440 1 455 1.30E-83 318.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024851 6596 273.9 UdeM00000024851 XP_045175405.1 41.7 444
189 10 1 408 1 410 3.40E-70 273.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024852 79782 190.7 UdeM00000024852 XP_014251564.1 60 150
59 1 6 155 5 153 1.50E-45 190.7 79782 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Prosorrhyncha;Heteroptera;Euheteroptera;Neoheteroptera;Panheteroptera;Cimicomorpha;Cimicoidea;Cimicidae;Cimex;Cimex lectularius

UdeM00000024853 6596 723.8 UdeM00000024853 XP_045175056.1 66.4 512
168 1 19 526 16 527 1.60E-205 723.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024854 6596 1089.7 UdeM00000024854 XP_045204827.1 41.3
1507 812 22 1 1447 3 1496 0.00E+00 1089.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024855 6596 187.2 UdeM00000024855 XP_045204827.1 40.1 289
157 9 26 300 28 314 3.10E-44 187.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024856 6596 782.7 UdeM00000024856 XP_045204827.1 39.7 1166
624 16 11 1115 318 1465 6.20E-223 782.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024857 6596 186 UdeM00000024857 XP_045204827.1 40.1 289
157 9 21 295 28 314 6.80E-44 186 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024858 6596 764.2 UdeM00000024858 XP_045204827.1 39.3 1164
615 17 11 1101 318 1463 2.90E-217 764.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024859 6596 785.4 UdeM00000024859 XP_045204827.1 39.8 1166
623 16 11 1115 318 1465 9.60E-224 785.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024860 6596 188.3 UdeM00000024860 XP_045204827.1 40.5 289
156 9 21 295 28 314 1.40E-44 188.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024861 6596 784.6 UdeM00000024861 XP_045204827.1 39.7 1166
624 16 11 1115 318 1465 1.60E-223 784.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024862 6596 997.3 UdeM00000024862 XP_045204827.1 40.6 1459
798 25 21 1431 28 1465 2.10E-287 997.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024863 6596 722.6 UdeM00000024863 XP_045204827.1 38.8 1172
617 23 21 1113 28 1178 7.60E-205 722.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024864 6596 218.4 UdeM00000024864 XP_045204827.1 41.4 280
154 2 11 280 1186 1465 1.20E-53 218.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024865 6596 997.3 UdeM00000024865 XP_045204827.1 40.6 1459
798 25 21 1431 28 1465 2.10E-287 997.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024866 6596 166.4 UdeM00000024866 XP_045204827.1 35.5 327
171 9 21 309 28 352 5.80E-38 166.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024867 6596 768.1 UdeM00000024867 XP_045204827.1 40.4 1115
591 16 5 1057 363 1465 1.50E-218 768.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024868 6596 141 UdeM00000024868 XP_045204827.1 43.3 171
96 1 66 235 182 352 2.50E-30 141 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024870 6596 1017.3 UdeM00000024870 XP_045204827.1 39.8
1496 838 22 22 1476 6 1480 2.00E-293 1017.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024871 6596 200.3 UdeM00000024871 XP_045204827.1 33 376
226 7 13 370 28 395 4.30E-48 200.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024872 6596 140.6 UdeM00000024872 XP_045204827.1 33.1 257
122 2 3 209 139 395 2.30E-30 140.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024873 6596 77.4 UdeM00000024873 XP_045204827.1 42.4 99
56 1 4 101 420 518 2.60E-11 77.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024874 29159 206.8 UdeM00000024874 XP_011449844.1 23.4 662
467 11 14 640 16 672 8.20E-50 206.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024875 6596 574.7 UdeM00000024875 XP_045175533.1 28.6 1657
869 37 59 1438 319 1938 3.30E-160 574.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024877 6596 297.7 UdeM00000024877 XP_045211888.1 60.9 248
94 3 15 261 16 261 1.40E-77 297.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024878 6596 918.3 UdeM00000024878 XP_045175424.1 59.7 844
314 11 73 904 45 874 7.60E-264 918.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024879 6579 322.4 UdeM00000024879 XP_033751847.1 58.1 253
101 1 1 253 35 282 5.30E-85 322.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024882 6596 66.2 UdeM00000024882 XP_045174283.1 38.6 132
67 6 11 132 6 133 2.00E-07 66.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024883 6596 159.8 UdeM00000024883 XP_045175245.1 71.3 101
29 0 2 102 1130 1230 2.00E-36 159.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024885 6596 565.8 UdeM00000024885 XP_045175245.1 52.7 630
274 14 52 673 512 1125 8.40E-158 565.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024884 6596 565.8 UdeM00000024884 XP_045175245.1 52.7 630
274 14 474 1095 512 1125 1.30E-157 565.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024886 6596 565.8 UdeM00000024886 XP_045175245.1 52.7 630
274 14 523 1144 512 1125 1.30E-157 565.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024887 6573 1139 UdeM00000024887 XP_021355023.1 34.6 3075
1286 62 17 2553 3 2889 0.00E+00 1139 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024888 6573 369.4 UdeM00000024888 XP_021350360.1 34.2 669
414 8 8 661 7 664 9.60E-99 369.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000024889 29159 99.8 UdeM00000024889 XP_034339171.1 44.7 114
63 0 1 114 61 174 2.60E-18 99.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000024890 50390 458 UdeM00000024890 XP_028142380.1 53 345
161 1 1 345 3 346 1.10E-125 458 50390 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucujiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; Diabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera virgifera

UdeM00000024891 1735272 65.1 UdeM00000024891 XP_041378228.1 41.2
68 40 0 4 71 81 148 4.30E-08 65.1 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis

UdeM00000024893 161584 649.4 UdeM00000024893 XP_037123484.1 58.8
485 199 1 1 485 200 683 3.50E-183 649.4 161584
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorpha; Euacanthomorpha; Percomorphaceae; Syngnatharia; Syngnathiformes; Syngnathoidei; Syngnathidae; Syngnathinae; Syngnathus; Syngnathus acus

UdeM00000024894 6596 71.6 UdeM00000024894 XP_045201969.1 70 50
15 0 119 168 40 89 1.70E-09 71.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024895 6565 144.4 UdeM00000024895 XP_022297447.1 36 250
81 3 1 171 117 366 1.30E-31 144.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000024896 45264 171.4 UdeM00000024896 XP_044164508.1 30.8 347
155 4 4 265 55 401 1.50E-39 171.4 45264 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora millepora

UdeM00000024897 6565 67 UdeM00000024897 XP_022287303.1 29.7 101
65 3 100 194 648 748 3.00E-08 67 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000024898 29159 117.1 UdeM00000024898 XP_019926413.2 68.7 83
26 0 1 83 1 83 1.20E-23 117.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000024899 29159 354 UdeM00000024899 XP_019926413.2 45.9 455
102 6 1 318 153 600 2.40E-94 354 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000024900 1735272 89.7 UdeM00000024900 XP_041353177.1 41.3
92 54 0 8 99 134 225 3.30E-15 89.7 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000024901 150288 250.4 UdeM00000024901 XP_020788097.1 58.1
186 72 2 80 260 385 569 2.60E-63 250.4 150288
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorpha; Percomorphaceae; Gobiaria; Gobiiformes; Gobioidi
Gobiidae; Oxudercinae; Boleophthalmus; Boleophthalmus pectinirostris
UdeM00000024902 151771 74.3 UdeM00000024902 XP_028408197.1 44.4
72 39 1 3 73 5 76 7.40E-11 74.3 151771
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Octo
corallia; Alcyonacea; Alcyoniina; Nephtheidae; Dendronephthya; Dendronephthya
gigantea
UdeM00000024903 6565 263.8 UdeM00000024903 XP_022341836.1 61.4 215
78 3 4 217 3 213 1.90E-67 263.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000024904 6565 87 UdeM00000024904 XP_022327962.1 46.2 91
49 0 9 99 197 287 1.50E-14 87 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000024905 6596 126.7 UdeM00000024905 XP_045164125.1 49.6 123
62 0 1 123 320 442 2.00E-26 126.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000024906 6565 111.7 UdeM00000024906 XP_022327962.1 58.1 93
37 1 3 93 626 718 5.10E-22 111.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000024907 6579 218 UdeM00000024907 XP_033752612.1 63.9 169
61 0 1 169 1 169 9.40E-54 218 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000024908 6579 127.5 UdeM00000024908 XP_033751706.1 60.4 106
 36 2 3 108 4 103 1.50E-26 127.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024909 6596 376.7 UdeM00000024909 XP_045175176.1 34.1 980
 438 26 11 947 143 957 8.80E-101 376.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024910 6596 429.5 UdeM00000024910 XP_045187150.1 45.9 488
 222 3 1 451 135 617 5.40E-117 429.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024911 6596 89.7 UdeM00000024911 XP_045210831.1 39.2 148
 73 3 1 132 1 147 2.90E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024912 1735272 228.4 UdeM00000024912 XP_041367457.1 39.1
 404 183 8 2 404 41 382 2.10E-56 228.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024913 6579 99.8 UdeM00000024913 XP_033752117.1 28.9 301
 158 10 15 307 11 263 7.30E-18 99.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024914 6596 126.7 UdeM00000024914 XP_045176316.1 45.1 144
 74 1 16 159 6 144 4.40E-26 126.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024915 6573 218 UdeM00000024915 XP_021368037.1 32.4 432
 229 8 25 453 31 402 3.00E-53 218 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024916 6573 218 UdeM00000024916 XP_021368037.1 32.4 432
 229 8 78 506 31 402 3.30E-53 218 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024917 6596 301.2 UdeM00000024917 XP_045192616.1 51.9 283
 131 3 1 282 1 279 1.40E-78 301.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024918 6596 313.9 UdeM00000024918 XP_045192616.1 52.8 286
 130 3 1 285 1 282 2.10E-82 313.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024919 6596 263.5 UdeM00000024919 XP_045192616.1 44.3 282
 155 1 1 280 1 282 3.20E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024920 6596 201.4 UdeM00000024920 XP_045192616.1 52.7 169
 78 1 1 169 116 282 9.20E-49 201.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024921 6596 1682.2 UdeM00000024921 XP_045174453.1 58.1
 1396 470 6 1 1396 1 1281 0.00E+00 1682.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024922 6596 625.2 UdeM00000024922 XP_045175180.1 61.7 561
 164 8 1 535 1 536 8.70E-176 625.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024923 6573 97.4 UdeM00000024923 XP_021346237.1 39.3 150
 67 3 1 126 328 477 1.40E-17 97.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024924 6596 523.1 UdeM00000024924 XP_045175180.1 37.8 1050
 497 31 31 1056 537 1454 8.80E-145 523.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024925 6596 93.6 UdeM00000024925 XP_045176117.1 52.5 99
 41 4 6 98 14 112 1.70E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024926 1735272 77.8 UdeM00000024926 XP_041366130.1 62.1
 66 24 1 38 103 96 160 1.20E-11 77.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000024927 6596 115.2 UdeM00000024927 XP_045176127.1 80.3 76
15 0 2 77 5 80 4.30E-23 115.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024928 6596 199.9 UdeM00000024928 XP_045176120.1 59 217
79 5 18 230 255 465 3.60E-48 199.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024929 1735272 253.1 UdeM00000024929 XP_041375983.1 43
323 155 4 3 319 2385 2684 5.50E-64 253.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000024930 1735272 231.5 UdeM00000024930 XP_041375983.1 46.4
261 128 2 3 258 2385 2638 2.40E-57 231.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000024931 1735272 265.8 UdeM00000024931 XP_041375983.1 45
309 157 3 1 303 2383 2684 7.90E-68 265.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000024932 6596 267.3 UdeM00000024932 XP_045192074.1 49.3 292
139 4 1 286 2132 2420 2.20E-68 267.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024933 29159 2742.2 UdeM00000024933 XP_034301655.1 41.5
3450 1911 48 45 3431 29 3435 0.00E+00 2742.2
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024934 6573 1394 UdeM00000024934 XP_021353372.1 45.5 1628
817 17 18 1587 19 1633 0.00E+00 1394 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000024935 6596 7313.4 UdeM00000024935 XP_045156859.1 36.9
10191 5933 136 6 9919 1581 11549 0.00E+00 7313.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024936 6596 7318 UdeM00000024936 XP_045156859.1 36.9
10189 5932 136 6 9917 1581 11549 0.00E+00 7318 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024937 6596 7212.8 UdeM00000024937 XP_045156859.1 36.7
10136 5896 136 1 9832 1632 11549 0.00E+00 7212.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024938 6596 7266.8 UdeM00000024938 XP_045156859.1 36.8
10136 5907 135 1 9859 1632 11549 0.00E+00 7266.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024939 6579 98.6 UdeM00000024939 XP_033732676.1 28.4 271
166 6 50 313 154 403 1.50E-17 98.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024940 45264 189.9 UdeM00000024940 XP_044165535.1 42.7 234
125 4 19 247 351 580 4.00E-45 189.9 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000024941 29159 89.7 UdeM00000024941 XP_034329660.1 28.6 259
161 8 335 589 213 451 1.40E-14 89.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024943 6596 282 UdeM00000024943 XP_045175091.1 42.9 368
176 5 202 562 1 341 1.70E-72 282 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024945 6579 2059.3 UdeM00000024945 XP_033752319.1 67
1636 447 22 1 1605 1 1574 0.00E+00 2059.3 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024946 6573 312.4 UdeM00000024946 XP_021345795.1 62.6 246
92 0 1 246 50 295 6.20E-82 312.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024947 6596 77.4 UdeM00000024947 XP_045174437.1 51.2 82
39 1 2 83 284 364 9.60E-12 77.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024948 6596 115.5 UdeM00000024948 XP_045174437.1 61.6 112
39 4 145 253 400 510 1.20E-22 115.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024949 6596 304.3 UdeM00000024949 XP_045174437.1 79.9 194
36 3 49 240 529 721 1.70E-79 304.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024950 6596 391.7 UdeM00000024950 XP_045177339.1 51.1 523
214 17 1 510 2 495 1.40E-105 391.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024951 6596 392.9 UdeM00000024951 XP_045175458.1 56.9 332
141 2 1 332 21 350 4.10E-106 392.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024952 6596 60.8 UdeM00000024952 XP_045174487.1 49.3 69
32 1 26 91 848 916 1.00E-06 60.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024953 6596 298.9 UdeM00000024953 XP_045174323.1 58 250
102 2 5 252 1 249 6.10E-78 298.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024954 6579 314.3 UdeM00000024954 XP_033751759.1 62.9 224
80 2 8 228 11 234 1.30E-82 314.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024955 6565 276.2 UdeM00000024955 XP_022321940.1 24.6 671
491 10 15 674 16 682 1.10E-70 276.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024956 6573 65.1 UdeM00000024956 XP_021365449.1 37.8 111
 58 1 1 111 433 532 7.10E-08 65.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024958 400727 387.9 UdeM00000024958 XP_025086127.1 47
 432 220 7 2 429 82 508 1.70E-104 387.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024959 6565 291.2 UdeM00000024959 XP_022304770.1 49.1 320
 151 5 3 315 176 490 1.70E-75 291.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024960 6596 83.2 UdeM00000024960 XP_045182173.1 53.7 67
 31 0 1 67 81 147 1.50E-13 83.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024962 29159 316.6 UdeM00000024962 XP_034318418.1 48.8 346
 172 4 5 347 210 553 3.90E-83 316.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024961 6565 374.8 UdeM00000024961 XP_022304770.1 41.7 515
 237 8 1 458 1 509 1.60E-100 374.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024963 400727 326.6 UdeM00000024963 XP_025086127.1 46.9
 367 186 7 1 363 147 508 3.90E-86 326.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024964 6596 429.1 UdeM00000024964 XP_045182173.1 42.3 513
 288 6 1 508 1 510 7.90E-117 429.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024966 6596 103.2 UdeM00000024966 XP_045182173.1 50 86
 43 0 1 86 62 147 1.90E-19 103.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024967 6579 493 UdeM00000024967 XP_033751397.1 77 344
 77 2 7 349 1 343 3.10E-136 493 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000024968 6579 491.1 UdeM00000024968 XP_033751397.1 77 343
77 2 9 350 2 343 1.20E-135 491.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000024969 6565 582.4 UdeM00000024969 XP_022329072.1 62.7 467
158 4 2 454 5 469 5.00E-163 582.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000024970 6596 146 UdeM00000024970 XP_045176517.1 32 409
228 11 636 1018 126 510 2.70E-31 146 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000024971 6596 299.7 UdeM00000024971 XP_045206981.1 35.2 512
252 6 79 525 1 497 7.50E-78 299.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000024972 6596 946.4 UdeM00000024972 XP_045175327.1 54.1 1312
453 25 1 1243 1 1232 3.60E-272 946.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000024974 6573 396.4 UdeM00000024974 XP_021370782.1 37.2 627
348 15 55 655 82 688 2.40E-106 396.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000024977 6596 147.1 UdeM00000024977 XP_045157887.1 31.8 302
186 7 27 312 111 408 3.90E-32 147.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000024979 7741 105.5 UdeM00000024979 XP_019630366.1 31.8 195
124 4 174 367 78 264 2.90E-19 105.5 7741 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma belcheri
UdeM00000024980 7741 111.3 UdeM00000024980 XP_019630366.1 26 497
302 18 34 506 78 532 3.90E-21 111.3 7741 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma belcheri
UdeM00000024982 29159 558.9 UdeM00000024982 XP_011447099.2 50.4 554
256 5 2 544 8 553 7.40E-156 558.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024983 260995 79.3 UdeM00000024983 XP_033812940.1 51.4
 74 35 1 1 74 1 73 2.90E-12 79.3 260995
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
 e;Geotrypetes;Geotrypetes seraphini

UdeM00000024984 7757 480.3 UdeM00000024984 XP_032835197.1 77.6 308
 68 1 1 308 52 358 2.70E-132 480.3 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000024985 6565 80.5 UdeM00000024985 XP_022308159.1 37.4 115
 69 1 36 147 30 144 2.30E-12 80.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024986 6565 80.5 UdeM00000024986 XP_022308159.1 37.4 115
 69 1 48 159 30 144 2.50E-12 80.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024987 6596 246.5 UdeM00000024987 XP_045213288.1 28.6 718
 466 19 43 741 39 728 1.10E-61 246.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024988 6596 231.9 UdeM00000024988 XP_045193560.1 26.5 732
 505 13 14 727 8 724 2.70E-57 231.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024989 6596 77.8 UdeM00000024989 XP_045159101.1 38 121
 70 1 15 130 155 275 1.40E-11 77.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024990 6596 232.3 UdeM00000024990 XP_045170933.1 27.9 725
 486 17 35 731 25 740 2.10E-57 232.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024993 6596 229.6 UdeM00000024993 XP_045170933.1 27.9 725
 486 18 35 731 25 740 1.30E-56 229.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024994 6596 125.9 UdeM00000024994 XP_045208881.1 31.8 211
 143 1 8 218 236 445 6.80E-26 125.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024996 29159 62.4 UdeM00000024996 XP_034315421.1 30.5 154
 76 3 79 203 217 368 7.70E-07 62.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024998 29159 77 UdeM00000024998 XP_034318948.1 32.1 140
 78 4 1 129 686 819 1.90E-11 77 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024999 6596 237.7 UdeM00000024999 XP_045193560.1 26.7 707
 483 13 39 727 35 724 4.90E-59 237.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025001 6596 124.4 UdeM00000025001 XP_045194994.1 33.3 219
 141 2 4 218 686 903 2.00E-25 124.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025002 6596 63.2 UdeM00000025002 XP_045206120.1 30.3 178
 114 4 45 214 6 181 6.50E-07 63.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025003 6596 110.2 UdeM00000025003 XP_045186885.1 32.6 184
 112 2 25 208 114 285 3.60E-21 110.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025006 6596 240 UdeM00000025006 XP_045193560.1 26.5 729
 509 12 13 729 11 724 1.00E-59 240 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025007 6579 130.6 UdeM00000025007 XP_033751401.1 38.2 283
 152 11 67 340 61 329 3.90E-27 130.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025008 7574 82.8 UdeM00000025008 XP_023932112.1 43.4 99
 53 2 1 99 356 451 4.60E-13 82.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000025011 6579 302.4 UdeM00000025011 XP_033751259.1 53.9 323
132 4 114 420 119 440 9.20E-79 302.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000025023 29159 168.3 UdeM00000025023 XP_034317111.1 35.2 358
226 5 1 355 675 1029 1.80E-38 168.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000025024 400727 331.6 UdeM00000025024 XP_025086167.1 76.5
187 44 0 1 187 1 187 6.40E-88 331.6 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000016461 6596 76.6 UdeM00000016461 XP_045181277.1 37.1 105
61 2 149 249 216 319 5.00E-11 76.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016462 1735272 181.8 UdeM00000016462 XP_041349428.1 43.8
210 117 1 3 212 22 230 9.30E-43 181.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000016464 6596 88.2 UdeM00000016464 XP_045181277.1 36.9 160
85 6 84 234 268 420 1.60E-14 88.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016465 29159 58.2 UdeM00000016465 XP_034315421.1 34.7 95
59 2 26 120 221 312 9.50E-06 58.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000016467 1232801 59.7 UdeM00000016467 XP_043214649.1 42.4
66 31 1 35 93 2516 2581 2.90E-06 59.7 1232801
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Hexanauplia; Thecostraca; Cirripedia; Thoracica; Sessilia; Balanidae; Amphibalanus; Amphibalanus amphitrite

UdeM00000016468 1232801 59.7 UdeM00000016468 XP_043214649.1 42.4
66 31 1 35 93 2516 2581 2.90E-06 59.7 1232801
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Mul

ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanidae;Amphibalanus;Amphibalanus amphitrite
 UdeM00000016469 6573 68.9 UdeM00000016469 XP_021341707.1 21.3 314
 212 10 56 352 45 340 1.40E-08 68.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016470 6579 72 UdeM00000016470 XP_033752062.1 23.1 363
 244 12 32 365 44 400 1.80E-09 72 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016471 6596 85.9 UdeM00000016471 XP_045181277.1 26 273
 141 9 105 326 143 405 1.10E-13 85.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000016475 6565 214.5 UdeM00000016475 XP_022297037.1 43.8 290
 77 2 1 204 183 472 1.30E-52 214.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016476 6706 128.6 UdeM00000016476 XP_042235765.1 39.9 158
 86 2 1 150 1 157 6.60E-27 128.6 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Astacidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000016478 441921 59.3 UdeM00000016478 XP_015517572.1 57.5
 40 16 1 34 73 841 879 3.10E-06 59.3 441921
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Tenthredinoidea;Diprionidae;Diprioninae;Neodiprion;Neodiprion lecontei
 UdeM00000016479 6596 159.8 UdeM00000016479 XP_045181277.1 30.7 352
 221 11 79 418 80 420 7.50E-36 159.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000023921 2607531 409.5 UdeM00000023921 XP_029648101.2 66.7
 309 93 3 35 341 7 307 5.00E-111 409.5 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000023922 6596 569.3 UdeM00000023922 XP_045199403.1 61.2 520
 161 7 12 498 106 617 4.90E-159 569.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023923 6596 559.3 UdeM00000023923 XP_045199403.1 61.3 509
 156 7 1 476 117 617 4.80E-156 559.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023924 6573 261.9 UdeM00000023924 XP_021365720.1 47.2 248
 129 1 36 281 25 272 9.60E-67 261.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023925 6596 682.9 UdeM00000023925 XP_045201737.1 80.4 387
 62 2 6 378 10 396 2.20E-193 682.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023926 6573 139 UdeM00000023926 XP_021340634.1 46.5 170
 75 3 4 157 2 171 5.00E-30 139 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023927 6596 1100.5 UdeM00000023927 XP_045200058.1 60.3
 1038 334 19 1 999 1 999 0.00E+00 1100.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023929 6579 324.3 UdeM00000023929 XP_033759400.1 60.3 426
 132 13 1 399 1 416 3.10E-85 324.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023930 6579 164.9 UdeM00000023930 XP_033759400.1 62.7 252
 80 6 37 282 173 416 2.60E-37 164.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023931 7668 149.1 UdeM00000023931 XP_011666894.1 39.5 215
 114 4 2 205 95 304 6.50E-33 149.1 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000023932 6596 172.9 UdeM00000023932 XP_045200185.1 62.2 156
 51 4 1 155 733 881 3.10E-40 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023933 6596 775.4 UdeM00000023933 XP_045200187.1 62.4 622
 200 6 6 605 7 616 5.40E-221 775.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023934 6596 330.1 UdeM00000023934 XP_045200182.1 64.1 231
83 0 1 231 16 246 2.40E-87 330.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023935 6596 357.1 UdeM00000023935 XP_045201596.1 39.2 546
300 9 4 533 8 537 4.00E-95 357.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023936 10228 62 UdeM00000023936 XP_002118408.1 50 56
28 0 48 103 12 67 5.20E-07 62 10228 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplax;Trichoplax adhaerens

UdeM00000023937 400727 92 UdeM00000023937 XP_025078952.1 25.1
434 293 12 52 467 125 544 2.10E-15 92 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000023938 400727 92.8 UdeM00000023938 XP_025078952.1 24.1
493 340 13 40 512 66 544 1.40E-15 92.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000023939 50429 191.4 UdeM00000023939 XP_022796414.1 48.9 180
91 1 2 181 6 184 1.00E-45 191.4 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000023940 6596 368.2 UdeM00000023940 XP_045201953.1 48.9 409
189 6 1 396 21 422 1.30E-98 368.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023941 6596 445.3 UdeM00000023941 XP_045201699.1 49.7 429
188 6 26 453 17 418 9.50E-122 445.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023942 6596 416 UdeM00000023942 XP_045200610.1 79.9 229
46 0 50 278 48 276 3.80E-113 416 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023945 6565 433.7 UdeM00000023945 XP_022325507.1 49.5 457
 217 8 102 547 92 545 3.50E-118 433.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023947 6579 891.3 UdeM00000023947 XP_033760068.1 71.6 584
 164 1 2 585 3 584 6.40E-256 891.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023948 6596 281.6 UdeM00000023948 XP_045201290.1 83.9 155
 25 0 1 155 1 155 6.20E-73 281.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023949 6500 776.9 UdeM00000023949 XP_005100330.1 88.1 430
 50 1 1 429 1088 1517 2.60E-221 776.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000023950 6579 1944.1 UdeM00000023950 XP_033759438.1 86.3
 1077 146 1 1 1077 1 1075 0.00E+00 1944.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023951 6596 478.4 UdeM00000023951 XP_045200407.1 65.7 361
 114 2 2 352 3 363 8.00E-132 478.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023952 6596 346.3 UdeM00000023952 XP_045200407.1 60.6 284
 104 3 2 278 471 753 3.90E-92 346.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023953 6596 1785 UdeM00000023953 XP_045200407.1 51.7 1869
 725 20 1 1721 754 2592 0.00E+00 1785 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023954 225164 90.5 UdeM00000023954 XP_009044481.1 40.9
 110 63 2 46 154 3 111 3.00E-15 90.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000023955 6579 289.3 UdeM00000023955 XP_033760032.1 40 365
 174 9 1 321 260 623 1.00E-74 289.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023956 6596 374.4 UdeM00000023956 XP_045159477.1 28.1 1031
636 27 20 1000 450 1425 4.80E-100 374.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023957 6596 130.6 UdeM00000023957 XP_045157132.1 44.1 145
73 3 8 146 20 162 3.50E-27 130.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023958 6596 112.8 UdeM00000023958 XP_045157132.1 49.5 105
52 1 13 117 59 162 5.40E-22 112.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023959 6596 105.9 UdeM00000023959 XP_045157132.1 38 137
79 2 26 157 22 157 7.80E-20 105.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023960 6596 500.4 UdeM00000023960 XP_045199753.1 39.3 754
337 17 3 674 6 720 3.70E-138 500.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023962 6596 340.9 UdeM00000023962 XP_045199753.1 39.4 515
193 13 1 400 165 675 2.30E-90 340.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023963 6596 533.9 UdeM00000023963 XP_045199753.1 41.1 742
307 18 3 641 6 720 2.90E-148 533.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023964 6596 586.6 UdeM00000023964 XP_045199753.1 40.7 805
391 15 3 771 6 760 4.50E-164 586.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023965 6596 387.9 UdeM00000023965 XP_045199753.1 34.8 705
272 14 3 545 42 720 2.20E-104 387.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023966 6596 583.9 UdeM00000023966 XP_045199753.1 40.5 805
 393 15 3 771 6 760 2.90E-163 583.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023967 6596 586.3 UdeM00000023967 XP_045199753.1 40.5 805
 393 15 3 771 6 760 5.90E-164 586.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023968 6596 1332 UdeM00000023968 XP_045200405.1 56.2 1118
 484 2 1 1116 1 1114 0.00E+00 1332 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023981 400727 142.1 UdeM00000023981 XP_025079558.1 52
 148 61 4 10 156 14 152 5.90E-31 142.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000023982 1735272 136 UdeM00000023982 XP_041351795.1 62.8
 94 35 0 2 95 6 99 2.80E-29 136 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023983 6573 185.3 UdeM00000023983 XP_021372152.1 33.6 906
 422 36 7 808 101 930 3.10E-43 185.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023984 6573 568.2 UdeM00000023984 XP_021372170.1 41.4 659
 362 8 8 655 492 1137 1.40E-158 568.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023985 6579 64.3 UdeM00000023985 XP_033760565.1 33.1 163
 90 5 204 348 131 292 3.50E-07 64.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023986 6579 503.4 UdeM00000023986 XP_033760830.1 56.6 419
 163 5 284 689 16 428 4.50E-139 503.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023987 6596 559.3 UdeM00000023987 XP_045200309.1 55.9 485
 184 7 13 473 18 496 4.70E-156 559.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023999 6596 324.7 UdeM00000023999 XP_045200222.1 89.4 179
19 0 1 179 1 179 7.40E-86 324.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024000 6596 331.3 UdeM00000024000 XP_045200221.1 31.9 718
429 19 7 685 8 704 3.00E-87 331.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024001 6596 330.5 UdeM00000024001 XP_045200221.1 31.9 718
429 19 6 684 8 704 5.10E-87 330.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024002 6596 332.8 UdeM00000024002 XP_045200221.1 32.1 716
440 17 9 692 3 704 1.00E-87 332.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024003 6579 3357.8 UdeM00000024003 XP_033760554.1 77.2
2180 478 11 2 2174 6 2173 0.00E+00 3357.8 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024004 7574 746.5 UdeM00000024004 XP_023931684.1 81.3 434
79 1 1 434 1747 2178 1.90E-212 746.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000024005 6573 174.1 UdeM00000024005 XP_021340138.1 37.1 229
129 4 186 412 57 272 3.70E-40 174.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024006 6573 282.7 UdeM00000024006 XP_021372109.1 39.8 382
213 5 14 382 51 428 7.30E-73 282.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024007 37621 283.5 UdeM00000024007 XP_014670792.1 53.4 251
117 0 1 251 55 305 2.70E-73 283.5 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000024008 6579 197.2 UdeM00000024008 XP_033760088.1 42.4 236
 127 3 1 229 206 439 2.50E-47 197.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024009 400727 67.4 UdeM00000024009 XP_025077830.1 46.9
 64 32 1 45 108 87 148 1.30E-08 67.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024010 27687 89.4 UdeM00000024010 XP_028656944.1 63 73
 26 1 1 73 1 72 2.20E-15 89.4 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000024011 6573 65.1 UdeM00000024011 XP_021372109.1 37.2 86
 54 0 7 92 48 133 5.60E-08 65.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024012 6573 373.6 UdeM00000024012 XP_021373840.1 42.4 441
 168 2 19 373 27 467 3.00E-100 373.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024013 6596 166.4 UdeM00000024013 XP_045200629.1 41.2 245
 139 4 1 244 1 241 5.80E-38 166.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024014 6573 111.3 UdeM00000024014 XP_021372121.1 39.4 180
 92 6 72 249 63 227 2.90E-21 111.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024015 6596 162.5 UdeM00000024015 XP_045200345.1 38 234
 133 4 1 233 1 223 8.20E-37 162.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024019 37653 146 UdeM00000024019 XP_014788941.1 60.5 124
 45 1 214 333 115 238 8.70E-32 146 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000024020 113540 99 UdeM00000024020 XP_029112334.1 98
 51 1 0 99 149 103 153 5.90E-18 99 113540
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Osteoglo
 ssocephala;Osteoglossomorpha;Osteoglossiformes;Osteoglossidae;Scleropages
 ;Scleropages formosus
 UdeM00000024022 6579 71.6 UdeM00000024022 XP_033744278.1 54.2 59
 25 1 61 119 989 1045 8.30E-10 71.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024023 45264 322.4 UdeM00000024023 XP_044165535.1 47.6 307
 157 1 1 303 218 524 7.40E-85 322.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000024025 6573 439.5 UdeM00000024025 XP_021377756.1 40 660
 225 9 1 649 784 1283 7.70E-120 439.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024026 6596 345.5 UdeM00000024026 XP_045202592.1 64.6 268
 92 1 1 268 110 374 6.30E-92 345.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024027 6579 151.4 UdeM00000024027 XP_033760363.1 36.6 262
 130 5 60 286 230 490 2.30E-33 151.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024028 6565 220.7 UdeM00000024028 XP_022343393.1 47.1 227
 114 1 3 229 1 221 2.00E-54 220.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024029 10228 87 UdeM00000024029 XP_002107667.1 40.3 129
 70 4 1 123 1 128 1.80E-14 87 10228 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
 e;Trichoplax;Trichoplax adhaerens
 UdeM00000024031 10224 67.8 UdeM00000024031 XP_002731044.1 45.6 68
 37 0 8 75 60 127 6.90E-09 67.8 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000024032 6579 309.7 UdeM00000024032 XP_033759931.1 58.4 262
 92 2 8 252 5 266 3.40E-81 309.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024033 6596 537.7 UdeM00000024033 XP_045200092.1 74.7 364
 87 3 1 364 1 359 1.10E-149 537.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024034 218467 85.9 UdeM00000024034 XP_023217047.1 25.8
 453 285 17 2 428 11 438 1.50E-13 85.9 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000024035 225164 136.7 UdeM00000024035 XP_009053205.1 54.7
 128 53 1 42 169 1 123 2.70E-29 136.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000024037 1735272 119.8 UdeM00000024037 XP_041367923.1 30
 273 95 4 5 181 123 395 3.70E-24 119.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024038 6596 1086.6 UdeM00000024038 XP_045202317.1 38.8
 1498 749 23 79 1499 2572 3978 0.00E+00 1086.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024039 6596 1092.8 UdeM00000024039 XP_045202317.1 40.2
 1441 787 24 79 1479 2572 3978 0.00E+00 1092.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024040 6596 1164.8 UdeM00000024040 XP_045202317.1 42.1
 1431 765 24 79 1469 2572 3978 0.00E+00 1164.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024041 6579 459.9 UdeM00000024041 XP_033759314.1 40.3 747
 327 19 185 893 68 733 7.30E-126 459.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024042 6596 378.6 UdeM00000024042 XP_045199327.1 64.7 289
 101 1 6 294 7 294 7.50E-102 378.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024046 6596 384.8 UdeM00000024046 XP_045199337.1 60.5 294
 114 2 1 293 489 781 9.80E-104 384.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024044 6596 606.7 UdeM00000024044 XP_045199345.1 48 713
 311 16 28 706 1 687 3.80E-170 606.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024045 6596 605.1 UdeM00000024045 XP_045199345.1 48 714
 310 17 28 707 1 687 1.10E-169 605.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024048 6596 264.2 UdeM00000024048 XP_045199348.1 85.8 141
 20 0 1 141 1 141 2.70E-67 264.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024049 7574 160.6 UdeM00000024049 XP_023932810.1 45.4 163
 83 3 22 180 159 319 1.90E-36 160.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000024050 400727 1225.7 UdeM00000024050 XP_025116054.1
 39.4 1761 940 23 424 2133 139 1823 0.00E+00 1225.7
 400727 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024051 6596 859 UdeM00000024051 XP_045157300.1 37.5 1253
 726 26 52 1285 155 1369 8.60E-246 859 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024052 1735272 173.3 UdeM00000024052 XP_041356772.1 30.2
 401 256 10 13 403 21 407 6.40E-40 173.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024053 6596 304.3 UdeM00000024053 XP_045200072.1 74.9 207
 47 2 7 208 2 208 1.20E-79 304.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024054 6573 943.7 UdeM00000024054 XP_021349540.1 71.7 679
 191 1 1 679 1 678 1.30E-271 943.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024055 1735272 160.2 UdeM00000024055 XP_041361785.1 59.4
 101 41 0 2 102 62 162 1.40E-36 160.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024056 6579 63.9 UdeM00000024056 XP_033760949.1 46.8 79
 36 3 9 82 8 85 1.10E-07 63.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024057 29159 75.5 UdeM00000024057 XP_034328475.1 41.3 104
 50 4 22 119 89 187 5.20E-11 75.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024058 6596 168.7 UdeM00000024058 XP_045210174.1 46.9 162
 86 0 35 196 327 488 7.40E-39 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024059 6596 183 UdeM00000024059 XP_045201987.1 38 308
 183 4 2 304 35 339 9.10E-43 183 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024060 6596 72.8 UdeM00000024060 XP_045200103.1 31.6 177
 93 7 33 198 1 160 5.70E-10 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024062 6579 121.3 UdeM00000024062 XP_033760038.1 26.4 337
 230 4 11 341 111 435 2.40E-24 121.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024063 6596 132.9 UdeM00000024063 XP_045164125.1 52.2 134
 60 2 704 833 272 405 1.90E-27 132.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024064 6596 300.8 UdeM00000024064 XP_045199722.1 40.3 414
 201 8 19 424 30 405 2.70E-78 300.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024067 6579 368.2 UdeM00000024067 XP_033759540.1 50 408
 186 6 4 400 6 406 1.70E-98 368.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000024066 6573 547.7 UdeM00000024066 XP_021374288.1 52.7 573
255 7 10 572 10 576 2.00E-152 547.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000024068 6596 137.1 UdeM00000024068 XP_045199307.1 64.3 98
35 0 1 98 1 98 1.20E-29 137.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000024069 6573 126.7 UdeM00000024069 XP_021374289.1 60.4 96
38 0 1 96 1 96 1.60E-26 126.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000024070 7574 79.7 UdeM00000024070 XP_013410728.1 50.5 91
40 1 353 438 215 305 1.10E-11 79.7 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000024071 7574 79.7 UdeM00000024071 XP_013410728.1 50.5 91
40 1 355 440 215 305 1.10E-11 79.7 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000024072 6573 580.1 UdeM00000024072 XP_021344066.1 60.5 440
172 1 140 579 150 587 3.50E-162 580.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000024073 6596 861.7 UdeM00000024073 XP_045200038.1 76.9 515
113 3 1 510 168 681 4.80E-247 861.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000024074 6573 300.4 UdeM00000024074 XP_021343306.1 32.1 557
362 8 6 552 140 690 4.70E-78 300.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000024075 6573 332 UdeM00000024075 XP_021343306.1 31.6 705
449 14 12 699 1 689 1.80E-87 332 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000024076 29159 364 UdeM00000024076 XP_034301421.1 32.4 726
453 17 21 718 32 747 4.50E-97 364 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000024078 29159 188.3 UdeM00000024078 XP_034328616.1 36.6 292
 167 5 48 338 2 276 1.60E-44 188.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024080 6596 82 UdeM00000024080 XP_045200531.1 27 248
 172 7 126 367 264 508 1.80E-12 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024081 29159 186 UdeM00000024081 XP_011437085.1 48.7 193
 89 3 1 193 1 183 4.50E-44 186 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024084 6596 119.8 UdeM00000024084 XP_045200540.1 29.5 264
 171 4 125 382 155 409 8.40E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024085 6596 227.6 UdeM00000024085 XP_045200866.1 57.8 206
 87 0 33 238 35 240 1.60E-56 227.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024086 6596 1182.2 UdeM00000024086 XP_045202607.1 70.5
 871 201 6 4 865 3 826 0.00E+00 1182.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024087 1735272 246.9 UdeM00000024087 XP_041350581.1 42.6
 303 168 4 20 321 73 370 3.60E-62 246.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024089 6596 169.9 UdeM00000024089 XP_045199652.1 31.7 319
 191 8 9 315 23 326 6.20E-39 169.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024090 6596 168.3 UdeM00000024090 XP_045199652.1 33.4 290
 170 8 9 293 23 294 1.80E-38 168.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024093 6596 171 UdeM00000024093 XP_045164901.1 34.2 292
 165 10 27 310 5 277 2.60E-39 171 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024097 6596 79 UdeM00000024097 XP_045164901.1 33.6 131
 76 4 10 137 5 127 5.60E-12 79 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024098 6596 92 UdeM00000024098 XP_045199652.1 37.4 123
 73 3 41 160 140 261 7.40E-16 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024100 10224 275 UdeM00000024100 XP_002736731.1 45.6 298
 159 3 5 301 3 298 1.10E-70 275 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000024101 1415580 72 UdeM00000024101 XP_030075314.1 41.1
 124 68 1 60 183 390 508 9.00E-10 72 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000024102 10224 275.4 UdeM00000024102 XP_002736731.1 46 298
 158 3 5 301 3 298 8.60E-71 275.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000024103 10224 279.3 UdeM00000024103 XP_002736731.1 47 298
 156 2 5 302 3 298 6.00E-72 279.3 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000024104 194408 278.1 UdeM00000024104 XP_029432322.1 50.7
 298 140 5 1 295 1 294 1.30E-71 278.1 194408
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Rhinatremat
 idae;Rhinatrema;Rhinatrema bivittatum
 UdeM00000024106 194408 263.5 UdeM00000024106 XP_029432322.1 45.9
 296 155 4 19 312 4 296 3.60E-67 263.5 194408
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Rhinatremat
 idae;Rhinatrema;Rhinatrema bivittatum

UdeM00000024107 10224 283.9 UdeM00000024107 XP_002736730.1 47 296
 157 0 5 300 3 298 2.40E-73 283.9 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000024108 10224 293.5 UdeM00000024108 XP_002736731.1 48.5 297
 152 1 5 301 3 298 3.10E-76 293.5 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000024109 10224 297 UdeM00000024109 XP_002736731.1 48.8 297
 151 1 5 301 3 298 2.80E-77 297 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000024110 10224 296.2 UdeM00000024110 XP_002736731.1 48.8 297
 151 1 5 301 3 298 4.70E-77 296.2 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000024111 6596 451.8 UdeM00000024111 XP_045199572.1 66.6 311
 104 0 12 322 324 634 7.20E-124 451.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024112 6579 520.8 UdeM00000024112 XP_033761025.1 75.2 323
 80 0 6 328 8 330 1.40E-144 520.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024113 6596 167.2 UdeM00000024113 XP_045165299.1 36.9 260
 151 9 13 268 16 266 3.00E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024114 29159 126.7 UdeM00000024114 XP_034330911.1 37.6 181
 102 3 1 175 308 483 3.00E-26 126.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024115 29159 425.6 UdeM00000024115 XP_034299474.1 44.1 526
 279 7 3 522 239 755 8.90E-116 425.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024116 7668 587.4 UdeM00000024116 XP_003729577.2 39.3 860
 467 15 65 877 65 916 3.00E-164 587.4 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus

UdeM00000024117 37621 379.8 UdeM00000024117 XP_014672567.1 46.7 383
 188 5 1 370 101 480 4.00E-102 379.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000024121 6565 291.6 UdeM00000024121 XP_022341262.1 50 296
 143 4 6 296 28 323 1.20E-75 291.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024122 6565 433 UdeM00000024122 XP_022341262.1 59.9 349
 129 5 1 343 1 344 4.50E-118 433 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024123 6596 213 UdeM00000024123 XP_045201076.1 48.5 196
 96 2 19 210 2 196 4.00E-52 213 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024124 6596 334 UdeM00000024124 XP_045201116.1 63.6 343
 111 7 3 337 6 342 2.80E-88 334 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024125 6596 136.3 UdeM00000024125 XP_045201116.1 25.9 614
 190 12 461 1074 639 987 2.20E-28 136.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024126 6596 142.9 UdeM00000024126 XP_045201116.1 62.2 127
 42 3 148 274 867 987 6.10E-31 142.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024127 6596 69.3 UdeM00000024127 XP_045192154.1 30.5 128
 82 3 20 140 17 144 6.80E-09 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024128 6500 174.9 UdeM00000024128 XP_012946305.1 33.4 398
 213 16 8 364 9 395 2.10E-40 174.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000024129 6500 175.3 UdeM00000024129 XP_012946305.1 33.4 401
 215 16 5 364 6 395 1.60E-40 175.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000024130 6500 177.6 UdeM00000024130 XP_012946305.1 33.7 398
 212 16 8 364 9 395 3.20E-41 177.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000024131 6500 174.1 UdeM00000024131 XP_012946305.1 33.4 398
 213 16 8 364 9 395 3.50E-40 174.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000024132 6500 162.9 UdeM00000024132 XP_012946305.1 32.6 402
 215 17 8 368 9 395 7.70E-37 162.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000024135 6500 136 UdeM00000024135 XP_012946305.1 29.8 396
 213 14 8 347 9 395 1.10E-28 136 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000024136 6500 171.4 UdeM00000024136 XP_012946305.1 34 377
 200 15 7 345 30 395 2.20E-39 171.4 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000024137 29159 149.4 UdeM00000024137 XP_034304660.1 39.7 189
 107 5 168 352 294 479 1.80E-32 149.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024138 6573 171.8 UdeM00000024138 XP_021374113.1 43.5 214
 97 5 20 231 2 193 1.00E-39 171.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024139 6596 60.1 UdeM00000024139 XP_045198344.1 29.4 136
 92 2 20 155 30 161 3.80E-06 60.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000024141 29159 430.3 UdeM00000024141 XP_034327845.1 65.5 310
 105 1 14 321 45 354 2.50E-117 430.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024140 29159 431 UdeM00000024140 XP_034327845.1 60.4 346
 133 2 12 353 9 354 1.60E-117 431 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024142 29159 544.3 UdeM00000024142 XP_011448612.1 84.3 312
 49 0 1 312 1 312 1.00E-151 544.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024143 29159 154.8 UdeM00000024143 XP_034304660.1 34.4 221
 138 4 21 236 229 447 4.30E-34 154.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024144 29159 151 UdeM00000024144 XP_034304660.1 33.9 221
 139 4 32 247 229 447 6.20E-33 151 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024145 6596 80.1 UdeM00000024145 XP_045196439.1 21.5 424
 285 12 354 741 483 894 1.30E-11 80.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024147 6596 639 UdeM00000024147 XP_045201549.1 73.6 436
 107 2 36 470 24 452 4.60E-180 639 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024148 29159 370.2 UdeM00000024148 XP_034330668.1 36.2 588
 99 1 78 665 6 317 5.70E-99 370.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024149 6596 404.4 UdeM00000024149 XP_045202147.1 57.1 319
 128 3 1 319 319 628 1.30E-109 404.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024150 6596 839.3 UdeM00000024150 XP_045201212.1 60.7 639
 240 4 1 639 1 628 3.20E-240 839.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024151 6573 431 UdeM00000024151 XP_021349775.1 65.5 296
 98 3 3 294 6 301 1.20E-117 431 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024152 6573 996.1 UdeM00000024152 XP_021374026.1 77.4 611
 137 1 12 622 8 617 2.00E-287 996.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024153 400727 115.5 UdeM00000024153 XP_025079032.1 41.1
 158 87 4 52 207 241 394 7.80E-23 115.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024154 400727 125.9 UdeM00000024154 XP_025079032.1 33.5
 257 128 8 115 364 177 397 1.00E-25 125.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024155 400727 105.1 UdeM00000024155 XP_025079032.1 35
 197 111 6 148 327 199 395 1.70E-19 105.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024156 400727 102.8 UdeM00000024156 XP_025079032.1 34.5
 197 111 6 148 326 199 395 8.40E-19 102.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024157 6565 59.3 UdeM00000024157 XP_022342906.1 30.3 185
 91 11 53 210 55 228 6.80E-06 59.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024159 6596 68.2 UdeM00000024159 XP_045199469.1 29.1 189
 108 7 108 284 30 204 2.00E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024160 6596 70.9 UdeM00000024160 XP_045199469.1 29.1 189
 111 6 108 287 30 204 3.10E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024163 6596 174.9 UdeM00000024163 XP_045199477.1 39.2 306
 152 12 30 319 37 324 1.90E-40 174.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024164 6596 313.9 UdeM00000024164 XP_045199479.1 42 455
 237 7 33 466 33 481 3.40E-82 313.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024165 6596 390.2 UdeM00000024165 XP_045199480.1 45 464
 237 6 7 463 22 474 3.70E-105 390.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024166 6596 389 UdeM00000024166 XP_045199480.1 44.8 453
 232 6 18 463 33 474 8.30E-105 389 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024167 6596 407.1 UdeM00000024167 XP_045199480.1 46.4 433
 225 4 27 457 47 474 2.90E-110 407.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024168 6596 317 UdeM00000024168 XP_045199479.1 40.8 448
 238 6 22 445 33 477 3.90E-83 317 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024170 6596 291.2 UdeM00000024170 XP_045199479.1 44.4 387
 189 6 25 390 100 481 2.00E-75 291.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024171 6596 290.8 UdeM00000024171 XP_045199479.1 44.6 388
 189 6 24 390 99 481 2.60E-75 290.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024173 6596 283.5 UdeM00000024173 XP_045199482.1 50.2 313
 146 6 1 311 157 461 3.30E-73 283.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024174 6579 1208 UdeM00000024174 XP_033759887.1 74.6 743
 188 1 1 742 1 743 0.00E+00 1208 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024175 6596 134.4 UdeM00000024175 XP_045199509.1 48.7 150
 73 3 19 164 10 159 1.90E-28 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024176 6573 389.8 UdeM00000024176 XP_021356105.1 56.9 355
 146 4 12 364 9 358 3.80E-105 389.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024177 6596 804.3 UdeM00000024177 XP_045199544.1 65.1 621
 200 5 16 624 28 643 1.20E-229 804.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024178 6565 114 UdeM00000024178 XP_022328486.1 25.4 469
 289 12 2 417 9 469 4.60E-22 114 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024179 6565 74.7 UdeM00000024179 XP_022328486.1 24.8 351
 199 11 13 300 121 469 2.20E-10 74.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024180 6596 134.4 UdeM00000024180 XP_045181975.1 24.6 549
 331 19 1 521 1 494 4.10E-28 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024181 6596 327 UdeM00000024181 XP_045199697.1 49.4 354
 156 8 7 347 8 351 3.40E-86 327 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024182 37653 906.7 UdeM00000024182 XP_014776380.1 91.7 471
 38 1 11 481 20 489 1.20E-260 906.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000024183 1735272 812.4 UdeM00000024183 XP_041351105.1 77.1
 489 112 0 3 491 6 494 3.20E-232 812.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024184 6596 575.9 UdeM00000024184 XP_045199719.1 43.9 708
 369 10 69 764 137 828 7.90E-161 575.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024185 6596 380.2 UdeM00000024185 XP_045157916.1 35.2 691
 423 11 1 672 150 834 5.60E-102 380.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024186 6565 92.4 UdeM00000024186 XP_022312385.1 70.5 61
 18 0 52 112 231 291 3.90E-16 92.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024187 6596 500.4 UdeM00000024187 XP_045171694.1 64.9 370
 124 3 3 372 2 365 2.00E-138 500.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024188 6596 500.7 UdeM00000024188 XP_045171694.1 65.4 370
 122 3 3 372 2 365 1.60E-138 500.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024189 6596 417.9 UdeM00000024189 XP_045157916.1 32 796
 497 12 41 811 52 828 2.90E-113 417.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024190 6596 422.9 UdeM00000024190 XP_045157916.1 32 804
 503 12 41 820 52 835 9.20E-115 422.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024191 6596 414.8 UdeM00000024191 XP_045157916.1 32.6 797
 505 11 44 821 52 835 2.50E-112 414.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024192 6596 481.9 UdeM00000024192 XP_045171694.1 62.4 372
 132 4 3 374 2 365 7.50E-133 481.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024193 6596 278.9 UdeM00000024193 XP_045201987.1 41.6 373
 195 8 1 360 138 500 9.30E-72 278.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024194 6596 449.9 UdeM00000024194 XP_045157916.1 35.1 791
 481 13 40 804 52 836 6.80E-123 449.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024195 6596 458.4 UdeM00000024195 XP_045157916.1 34.3 831
 503 14 4 800 7 828 2.00E-125 458.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024196 6596 448.4 UdeM00000024196 XP_045157916.1 35.1 784
 475 13 17 773 52 828 1.90E-122 448.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024197 6596 574.3 UdeM00000024197 XP_045200560.1 67 418
 130 6 1 417 1 411 1.20E-160 574.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024198 6579 479.6 UdeM00000024198 XP_033760417.1 36.9 878
 477 20 10 827 9 869 8.30E-132 479.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024199 6596 64.7 UdeM00000024199 XP_045171441.1 25.5 220
 146 8 437 648 273 482 5.00E-07 64.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024202 6596 93.6 UdeM00000024202 XP_045185797.1 21.1 407
 270 12 302 677 409 795 1.10E-15 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024203 6573 170.2 UdeM00000024203 XP_021374113.1 60 130
 51 1 28 157 3 131 2.30E-39 170.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024204 6596 99.4 UdeM00000024204 XP_045162845.1 22.6 430
 286 12 325 724 326 738 2.00E-17 99.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024205 6596 93.2 UdeM00000024205 XP_045185793.1 21.4 421
 286 11 283 675 391 794 1.40E-15 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024206 6596 70.9 UdeM00000024206 XP_045185793.1 20 450
 295 16 344 749 366 794 8.30E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024208 7654 84.7 UdeM00000024208 XP_041471785.1 23.9 393
 245 13 372 739 61 424 5.40E-13 84.7 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000024209 6596 71.6 UdeM00000024209 XP_045191167.1 30.7 140
 85 4 262 397 12 143 2.80E-09 71.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024212 6596 100.1 UdeM00000024212 XP_045172532.1 22.6 390
 290 9 368 752 400 782 1.20E-17 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024213 7741 131.3 UdeM00000024213 XP_019620794.1 45.6 114
 59 1 287 400 561 671 3.60E-27 131.3 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000024214 6596 595.1 UdeM00000024214 XP_045201664.1 32.7 1077
 661 31 63 1105 8 1054 2.10E-166 595.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024215 6596 598.6 UdeM00000024215 XP_045201664.1 32.7 1077
 662 30 63 1106 8 1054 1.90E-167 598.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024216 6596 557 UdeM00000024216 XP_045201664.1 32.9 1032
 649 28 28 1032 28 1043 6.10E-155 557 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024217 7757 190.3 UdeM00000024217 XP_032835197.1 78.6 117
 25 0 1 117 90 206 1.40E-45 190.3 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000024218 6596 349.7 UdeM00000024218 XP_045201664.1 38.8 480
 280 10 90 560 115 589 7.30E-93 349.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024219 6596 349.7 UdeM00000024219 XP_045201664.1 38.8 480
280 10 34 504 115 589 6.60E-93 349.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000024220 7739 120.9 UdeM00000024220 XP_035693202.1 29 303
203 7 197 490 25 324 6.40E-24 120.9 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma floridae

UdeM00000038293 6579 410.2 UdeM00000038293 XP_033743587.1 50.9 381
181 3 73 448 99 478 3.40E-111 410.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000038294 7574 310.5 UdeM00000038294 XP_013381563.1 45.9 344
169 5 36 369 51 387 3.20E-81 310.5 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000038297 6596 170.6 UdeM00000038297 XP_045184685.1 83.2 101
17 0 3 103 859 959 1.00E-39 170.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000038296 6596 830.1 UdeM00000038296 XP_045184685.1 81.9 493
89 0 5 497 467 959 1.50E-237 830.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000038295 6596 1520.4 UdeM00000038295 XP_045184685.1 76.9
973 199 4 1 961 1 959 0.00E+00 1520.4 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000038298 37653 414.8 UdeM00000038298 XP_014786569.1 59 327
133 1 1 327 1 326 9.90E-113 414.8 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000038299 37653 414.5 UdeM00000038299 XP_014786569.1 59.3 324
131 1 3 326 4 326 1.30E-112 414.5 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000038300 225164 277.3 UdeM00000038300 XP_009055461.1 60.5
 215 85 0 2 216 199 413 1.60E-71 277.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000038301 225164 413.7 UdeM00000038301 XP_009055461.1 64.6
 314 104 1 5 311 100 413 2.10E-112 413.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000038302 6579 228.8 UdeM00000038302 XP_033746880.1 56.6 198
 81 2 4 198 168 363 6.50E-57 228.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038303 6565 99 UdeM00000038303 XP_022314409.1 38.5 169
 86 5 1 151 1147 1315 5.60E-18 99 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038304 6596 331.6 UdeM00000038304 XP_045209627.1 46.7 379
 179 2 284 639 174 552 2.20E-87 331.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038305 6573 95.5 UdeM00000038305 XP_021359078.1 39.5 129
 71 2 62 186 57 182 7.80E-17 95.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038306 2607531 157.9 UdeM00000038306 XP_029645903.1 43.3
 231 113 7 15 239 414 632 1.60E-35 157.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000038307 2607531 157.9 UdeM00000038307 XP_029645903.1 42.3
 227 120 4 15 238 414 632 1.60E-35 157.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000038308 6596 135.2 UdeM00000038308 XP_045183718.1 83.8 74
 12 0 1 74 327 400 3.90E-29 135.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038309 6596 242.3 UdeM00000038309 XP_045183718.1 65.9 167
 56 1 89 254 159 325 7.10E-61 242.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038312 6596 268.9 UdeM00000038312 XP_045183718.1 75 156
39 0 1 156 8 163 4.20E-69 268.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038313 6596 124.8 UdeM00000038313 XP_045180427.1 49.6 115
56 1 80 192 159 273 1.30E-25 124.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038314 400727 338.6 UdeM00000038314 XP_025083762.1 37
600 289 17 10 579 7 547 1.60E-89 338.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038319 6579 829.7 UdeM00000038319 XP_033724993.1 71.4 581
161 2 8 583 6 586 2.50E-237 829.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038320 29159 238.4 UdeM00000038320 XP_011449016.2 48.4 217
104 3 4 214 19 233 1.90E-59 238.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038321 6579 238.8 UdeM00000038321 XP_033727457.1 52.9 208
95 2 9 214 7 213 1.60E-59 238.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038322 6579 235 UdeM00000038322 XP_033727457.1 40.4 307
171 4 3 298 4 309 2.80E-58 235 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038323 6596 156.8 UdeM00000038323 XP_045183724.1 43.6 165
91 2 244 407 59 222 1.40E-34 156.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038324 6596 156.8 UdeM00000038324 XP_045183724.1 43.6 165
91 2 131 294 59 222 1.20E-34 156.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038325 29159 446.4 UdeM00000038325 XP_034321269.1 82.1 263
 47 0 1 263 137 399 2.50E-122 446.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038326 29159 568.9 UdeM00000038326 XP_011440905.1 77.3 384
 84 1 9 389 3 386 4.90E-159 568.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038327 6596 100.5 UdeM00000038327 XP_045184699.1 45.3 128
 54 4 1 113 1 127 1.40E-18 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038328 6565 109.8 UdeM00000038328 XP_022301314.1 49.8 470
 185 10 3 459 2 433 9.80E-21 109.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038329 6596 235.3 UdeM00000038329 XP_045184524.1 44.1 313
 130 7 28 312 81 376 4.70E-58 235.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038330 6565 58.2 UdeM00000038330 XP_022307714.1 68.8 32
 10 0 1 32 29 60 7.10E-06 58.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038331 6565 189.5 UdeM00000038331 XP_022329271.1 29.7 532
 241 11 14 537 10 416 1.10E-44 189.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038332 6945 147.9 UdeM00000038332 XP_002402827.3 69.2 107
 24 1 4 101 87 193 7.10E-33 147.9 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000038333 6596 384.8 UdeM00000038333 XP_045184737.1 66.5 275
 92 0 1 275 1 275 9.20E-104 384.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038334 6596 310.8 UdeM00000038334 XP_045183245.1 36.9 786
 343 20 13 730 13 713 4.70E-81 310.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038335 6596 311.6 UdeM00000038335 XP_045183245.1 36.9 785
 343 20 13 729 13 713 2.70E-81 311.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038336 1735272 149.1 UdeM00000038336 XP_041356123.1 34.2
 1084 548 29 1 1039 1 964 3.20E-32 149.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038337 6596 121.7 UdeM00000038337 XP_045184590.1 62.4 93
 23 1 1 81 1 93 4.50E-25 121.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038338 6565 486.1 UdeM00000038338 XP_022304379.1 70.2 362
 103 5 5 365 158 515 3.90E-134 486.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038342 400727 360.1 UdeM00000038342 XP_025084159.1 42.9
 462 247 7 6 451 63 523 4.00E-96 360.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038343 10224 136.7 UdeM00000038343 XP_006817093.1 41.6 185
 92 4 2 181 7 180 3.00E-29 136.7 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000038344 6565 87 UdeM00000038344 XP_022296322.1 34.6 127
 80 1 97 223 39 162 3.30E-14 87 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038346 1415580 295.4 UdeM00000038346 XP_030075314.1 50.6
 316 137 4 3 315 326 625 8.40E-77 295.4 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000038347 7757 206.8 UdeM00000038347 XP_032835197.1 83.9 118
 19 0 1 118 52 169 1.50E-50 206.8 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000038348 260995 80.5 UdeM00000038348 XP_033812940.1 51.4
 74 35 1 1 74 1 73 1.00E-12 80.5 260995
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
e;Geotrypetes;Geotrypetes seraphini

UdeM00000038349 6596 68.9 UdeM00000038349 XP_045185108.1 45 80
38 2 441 515 180 258 2.50E-08 68.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038350 6596 68.9 UdeM00000038350 XP_045193773.1 27.2 151
100 4 10 153 87 234 2.00E-08 68.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038351 29159 307.4 UdeM00000038351 XP_011453276.2 58.2 261
90 3 1 261 1 242 2.10E-80 307.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038352 6565 134.4 UdeM00000038352 XP_022303446.1 89.6 67
7 0 13 79 277 343 7.90E-29 134.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038353 6596 126.7 UdeM00000038353 XP_045184665.1 61.5 91
35 0 13 103 367 457 1.70E-26 126.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038354 6565 186.4 UdeM00000038354 XP_022329307.1 56 150
65 1 36 184 13 162 3.50E-44 186.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038355 6596 568.2 UdeM00000038355 XP_045204274.1 49.7 587
280 6 3 583 2 579 1.20E-158 568.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038356 6596 323.2 UdeM00000038356 XP_045204106.1 38.7 455
147 2 5 335 15 461 4.10E-85 323.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038357 6596 563.5 UdeM00000038357 XP_045204271.1 48.5 586
289 5 3 583 2 579 3.10E-157 563.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038358 6596 477.2 UdeM00000038358 XP_045195414.1 46.2 578
 241 8 50 564 7 577 2.80E-131 477.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038359 6596 567.8 UdeM00000038359 XP_045204271.1 48.9 587
 285 6 3 583 2 579 1.60E-158 567.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038360 6596 574.7 UdeM00000038360 XP_045204271.1 49.3 586
 284 5 3 583 2 579 1.30E-160 574.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038361 6596 573.5 UdeM00000038361 XP_045204271.1 49.3 584
 283 5 1 579 4 579 2.90E-160 573.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038362 6596 242.7 UdeM00000038362 XP_045204106.1 54.8 228
 90 3 1 223 133 352 4.60E-61 242.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038363 6596 122.5 UdeM00000038363 XP_045202772.1 34.8 207
 86 3 2 162 378 581 5.00E-25 122.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038364 6596 556.2 UdeM00000038364 XP_045195414.1 49.7 578
 281 6 5 579 7 577 4.90E-155 556.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038365 6596 592 UdeM00000038365 XP_045204271.1 50.3 578
 282 4 3 575 2 579 7.90E-166 592 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038366 6596 590.9 UdeM00000038366 XP_045204271.1 50.3 576
 281 4 1 571 4 579 1.80E-165 590.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000038367 6565 192.6 UdeM00000038367 XP_022303529.1 81.6 114
 21 0 1 114 1 114 2.80E-46 192.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038368 6500 86.3 UdeM00000038368 XP_012942458.1 37.5 104
 65 0 1 104 1 104 2.60E-14 86.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidae;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000038369 6596 384.4 UdeM00000038369 XP_045185184.1 61.4 293
 112 1 1 292 1 293 1.30E-103 384.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038370 6565 89.4 UdeM00000038370 XP_022288562.1 44.4 108
 56 1 1 104 73 180 3.80E-15 89.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038372 6596 222.6 UdeM00000038372 XP_045167221.1 42.6 235
 135 0 1 235 765 999 5.30E-55 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038371 6596 934.9 UdeM00000038371 XP_045167221.1 46 988
 516 8 13 995 25 999 8.70E-269 934.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038373 409849 133.3 UdeM00000038373 XP_033828675.1 29.2
 295 175 9 116 399 606 877 7.00E-28 133.3 409849
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Periophthalmus;Periophthalmus magnuspinnatus
 UdeM00000038374 29159 92 UdeM00000038374 XP_011449844.1 26.3 247
 173 6 314 553 441 685 2.50E-15 92 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038375 400727 726.5 UdeM00000038375 XP_025100369.1 73.5
 501 102 5 16 514 62 533 2.50E-206 726.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038376	7957	189.1	UdeM00000038376	XP_026125748.1	46.9	224
104	4	43	259	161	376	7.80E-45

189.1 7957 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Cyprininae;Carassius;Carassius auratus

UdeM00000038377	6596	2155.2	UdeM00000038377	XP_045167221.1	55.1	
1915	819	17	1	1904	1	1886

0.00E+00 2155.2 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038378	6565	421.8	UdeM00000038378	XP_022322188.1	66.9	284
94	0	1	284	1	284	1.50E-114

421.8 6565 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038379	6596	401.4	UdeM00000038379	XP_045184696.1	74.8	254
60	2	1	250	1	254	9.10E-109

401.4 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038380	6579	696.4	UdeM00000038380	XP_033725616.1	57	628
254	4	1	621	283	901	3.20E-197

696.4 6579 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038381	6596	156	UdeM00000038381	XP_045184060.1	46.8	156
82	1	62	217	59	213	5.50E-35

156 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038382	6573	115.2	UdeM00000038382	XP_021377955.1	65.8	76
26	0	132	207	187	262	1.00E-22

115.2 6573 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038383	6579	613.6	UdeM00000038383	XP_033725062.1	66	441
143	4	12	445	417	857	2.00E-172

613.6 6579 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038384	441366	258.5	UdeM00000038384	XP_028296753.1	43.7	
343	176	9	6	346	32	359

1.30E-65 258.5 441366 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala

phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000038385 6579 511.1 UdeM00000038385 XP_033725062.1 56.5 428
174 4 1 423 1 421 1.30E-141 511.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038386 6579 436.4 UdeM00000038386 XP_033725062.1 55.7 366
153 3 1 364 1 359 3.50E-119 436.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038387 6596 134 UdeM00000038387 XP_045169481.1 35.7 168
101 4 4 165 3 169 1.70E-28 134 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038388 210632 92.4 UdeM00000038388 XP_028282933.1 24.4
271 184 8 42 298 797 1060 1.00E-15 92.4 210632
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Ovalentaria incertae sedis;Ambassidae;Parambassis;Parambassis ranga

UdeM00000038389 6596 138.3 UdeM00000038389 XP_045183580.1 55.2 143
60 3 20 158 941 1083 8.60E-30 138.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038390 225164 298.5 UdeM00000038390 XP_009062095.1 46
298 159 2 324 621 6 301 2.00E-77 298.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000038391 1735272 1383.2 UdeM00000038391 XP_041356070.1
64.1 1063 304 10 6 1041 4 1015 0.00E+00 1383.2
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038392 146911 90.5 UdeM00000038392 XP_015284221.1 38.3
94 58 0 419 512 189 282 6.90E-15 90.5 146911
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido

sauria; Squamata; Bifurcata; Gekkota; Gekkonidae; Gekkoninae; Gekko; Gekko
japonicus
UdeM00000038393 146911 90.5 UdeM00000038393 XP_015284221.1 38.3
94 58 0 429 522 189 282 7.00E-15 90.5 146911
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc
opterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Sauropsida; Sauria; Lepido
sauria; Squamata; Bifurcata; Gekkota; Gekkonidae; Gekkoninae; Gekko; Gekko
japonicus
UdeM00000038394 146911 92.4 UdeM00000038394 XP_015262655.1 53.4
73 34 0 464 536 400 472 1.90E-15 92.4 146911
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc
opterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Sauropsida; Sauria; Lepido
sauria; Squamata; Bifurcata; Gekkota; Gekkonidae; Gekkoninae; Gekko; Gekko
japonicus
UdeM00000038395 6565 206.1 UdeM00000038395 XP_022288710.1 71.2 118
34 0 26 143 65 182 3.10E-50 206.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000038397 1735272 938.7 UdeM00000038397 XP_041355813.1 59.5
1040 347 19 4 992 10 1026 5.90E-270 938.7 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000038398 6596 428.7 UdeM00000038398 XP_045183717.1 70.3 290
84 2 1 289 1 289 5.80E-117 428.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000038400 6565 639.4 UdeM00000038400 XP_022311756.1 48.4 750
302 14 33 759 22 709 9.80E-180 639.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000038403 6596 134.4 UdeM00000038403 XP_045209241.1 23.3 600
375 19 32 571 144 718 8.40E-28 134.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000038406 7957 115.5 UdeM00000038406 XP_026107243.1 24.7 442
291 15 19 448 623 1034 1.70E-22 115.5 7957 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Otomorpha; Ostariophysi; Otophysi; Cypriniphysae; Cypriniformes; Cyprino
idei; Cyprinidae; Cyprininae; Carassius; Carassius auratus

UdeM00000038409 1735272 83.6 UdeM00000038409 XP_041373383.1 33.1
 151 89 4 63 210 131 272 8.10E-13 83.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038412 46514 128.3 UdeM00000038412 XP_038073135.1 42.9 154
 81 2 258 411 380 526 3.10E-26 128.3 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000038413 46514 128.3 UdeM00000038413 XP_038073135.1 42.9 154
 81 2 243 396 380 526 3.00E-26 128.3 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000038415 6596 106.3 UdeM00000038415 XP_045209241.1 25.9 394
 242 17 23 380 332 711 1.40E-19 106.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038416 7741 269.6 UdeM00000038416 XP_019622111.1 49.6 280
 120 3 5 265 1 278 4.20E-69 269.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000038417 1735272 95.9 UdeM00000038417 XP_041347151.1 34.3
 201 117 9 151 345 122 313 2.00E-16 95.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038418 400727 262.3 UdeM00000038418 XP_025100004.1 24
 1375 872 56 535 1834 6 1282 5.10E-66 262.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038419 742174 149.8 UdeM00000038419 XP_025199557.1 45.6
 158 83 2 2 157 306 462 2.90E-33 149.8 742174
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Aphidini;Melanaphis;Melanaphis
 sacchari
 UdeM00000038424 225164 100.9 UdeM00000038424 XP_009058199.1 50.5
 107 46 2 1 107 1 100 1.00E-18 100.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000038425 6579 109.8 UdeM00000038425 XP_033752673.1 27.6 370
 143 8 38 316 158 493 7.20E-21 109.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038427 7604 225.7 UdeM00000038427 XP_033641066.1 61.7 167
 64 0 1 167 155 321 4.40E-56 225.7 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asterias;Asterias rubens
 UdeM00000038432 1735272 161.8 UdeM00000038432 XP_041372995.1 25.6
 535 326 24 250 755 898 1389 5.10E-36 161.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038433 6596 76.3 UdeM00000038433 XP_045202067.1 38.1 113
 66 3 349 460 133 242 1.20E-10 76.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038436 7957 101.3 UdeM00000038436 XP_026107247.1 22 567
 321 21 94 608 187 684 6.60E-18 101.3 7957 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 idei;Cyprinidae;Cyprininae;Carassius;Carassius auratus
 UdeM00000038438 7962 108.2 UdeM00000038438 XP_042573210.1 24.4 467
 295 18 147 587 188 622 4.00E-20 108.2 7962 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 idei;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio
 UdeM00000014687 6573 90.9 UdeM00000014687 XP_021365625.1 51.7 87
 42 0 8 94 40 126 1.70E-15 90.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014688 1735272 396.7 UdeM00000014688 XP_041364708.1 54.4
 384 151 9 34 406 42 412 3.50E-107 396.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014689 225164 416.8 UdeM00000014689 XP_009051273.1 90.6
 233 22 0 1 233 1 233 1.90E-113 416.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000014690 6579 355.9 UdeM00000014690 XP_033742729.1 30.6 963
 182 2 1 961 1 479 1.70E-94 355.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014691 6565 496.9 UdeM00000014691 XP_022317161.1 60.4 424
 152 2 9 432 57 464 2.60E-137 496.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014692 6596 666.8 UdeM00000014692 XP_045213076.1 86.6 366
 44 1 77 437 29 394 1.90E-188 666.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014693 6596 459.9 UdeM00000014693 XP_045213079.1 60.3 360
 131 4 1 359 1 349 3.50E-126 459.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014694 6596 138.7 UdeM00000014694 XP_045213079.1 31.2 571
 286 17 13 528 349 867 2.30E-29 138.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014695 6573 203 UdeM00000014695 XP_021372715.1 39.5 281
 163 6 27 302 119 397 5.90E-49 203 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014696 225164 250.4 UdeM00000014696 XP_009060127.1 100
 110 0 0 1 110 1 110 1.10E-63 250.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000014697 6573 105.5 UdeM00000014697 XP_021377231.1 32.8 354
 208 11 6 347 8 343 1.40E-19 105.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014698 6573 101.7 UdeM00000014698 XP_021377231.1 34.1 302
 174 10 15 304 55 343 1.70E-18 101.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014699 6579 73.2 UdeM00000014699 XP_033744278.1 55.9 59
 24 1 61 119 989 1045 3.90E-10 73.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014700 29159 270.8 UdeM00000014700 XP_011454708.2 41.2 711
 330 20 451 1122 433 1094 7.90E-69 270.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014701 6596 411.4 UdeM00000014701 XP_045213822.1 43.7 549
 291 7 10 545 10 553 1.80E-111 411.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014702 6573 391.7 UdeM00000014702 XP_021359878.1 61.7 342
 129 1 16 355 7 348 1.10E-105 391.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014703 6596 1155.6 UdeM00000014703 XP_045214288.1 65.8
 849 269 6 54 885 61 905 0.00E+00 1155.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014704 6596 698.7 UdeM00000014704 XP_045214289.1 52.7 755
 318 10 170 898 201 942 9.50E-198 698.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014705 6596 58.9 UdeM00000014705 XP_045198486.1 60 45
 18 0 1 45 71 115 3.40E-06 58.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014706 37653 392.5 UdeM00000014706 XP_014784524.1 53.4 339
 158 0 16 354 51 389 6.30E-106 392.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000014709 6596 337 UdeM00000014709 XP_045179925.1 68.9 225
 70 0 24 248 21 245 2.00E-89 337 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014710 6596 144.1 UdeM00000014710 XP_045214366.1 38.5 234
 104 3 1 233 6 200 2.30E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014711 6579 174.1 UdeM00000014711 XP_033735825.1 74.6 114
 29 0 15 128 23 136 1.20E-40 174.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014712 6579 174.1 UdeM00000014712 XP_033735825.1 74.6 114
29 0 20 133 23 136 1.20E-40 174.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014713 6596 950.3 UdeM00000014713 XP_045214079.1 84 550
82 4 4 551 1 546 1.10E-273 950.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014714 6579 241.1 UdeM00000014714 XP_033745194.1 36.9 369
207 2 1 343 144 512 2.20E-60 241.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014715 6579 152.1 UdeM00000014715 XP_033752981.1 57.6 125
53 0 6 130 3 127 4.80E-34 152.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014716 29159 190.7 UdeM00000014716 XP_034313517.1 59.6 146
59 0 375 520 215 360 9.50E-45 190.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014717 2607531 253.8 UdeM00000014717 XP_029637007.1 74
169 42 1 40 206 36 204 1.80E-64 253.8 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000014718 6579 294.3 UdeM00000014718 XP_033734454.1 71.1 194
52 2 5 196 151 342 1.20E-76 294.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014719 2607531 229.6 UdeM00000014719 XP_029637007.1 74
154 38 1 9 160 51 204 2.90E-57 229.6 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000014720 6579 292.4 UdeM00000014720 XP_033734454.1 71.7 191
50 2 63 251 154 342 5.70E-76 292.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000030593 6596 80.9 UdeM00000030593 XP_045180180.1 63.5 63
23 0 433 495 404 466 5.30E-12 80.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030594 6596 312.4 UdeM00000030594 XP_045161567.1 51.3 314
148 2 4 312 22 335 9.60E-82 312.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030595 6596 615.5 UdeM00000030595 XP_045161555.1 92 339
27 0 1 339 1 339 3.90E-173 615.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030596 6596 681.4 UdeM00000030596 XP_045160993.1 56 600
253 6 4 598 5 598 1.00E-192 681.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030597 6596 655.6 UdeM00000030597 XP_045161004.1 65.4 494
169 2 1 493 1 493 7.70E-185 655.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030598 6596 659.1 UdeM00000030598 XP_045161004.1 68.8 619
176 2 9 627 493 1094 5.80E-186 659.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030599 6596 624 UdeM00000030599 XP_045192997.1 49.9 633
290 12 7 622 23 645 2.10E-175 624 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030600 6596 130.2 UdeM00000030600 XP_045192997.1 59.1 88
36 0 2 89 558 645 1.80E-27 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030601 1735272 392.5 UdeM00000030601 XP_041367040.1 50.7
367 174 4 9 370 1 365 6.20E-106 392.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030602 6596 250 UdeM00000030602 XP_045192997.1 47.9 259
118 6 34 280 392 645 4.00E-63 250 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030603 6596 1092 UdeM00000030603 XP_045156423.1 58.4 957
381 5 27 966 31 987 0.00E+00 1092 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030604 6596 622.1 UdeM00000030604 XP_045156423.1 46.1 740
310 7 31 682 29 767 8.50E-175 622.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030605 37621 301.2 UdeM00000030605 XP_014679849.1 33.3 622
146 6 1 354 3 623 1.70E-78 301.2 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000030606 6596 220.3 UdeM00000030606 XP_045156423.1 57.7 189
80 0 6 194 799 987 2.20E-54 220.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030607 6596 431 UdeM00000030607 XP_045156423.1 48.2 479
227 4 27 498 225 689 2.10E-117 431 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030608 6596 271.2 UdeM00000030608 XP_045163858.1 38.3 368
211 6 1 361 21 379 2.00E-69 271.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030609 6596 271.2 UdeM00000030609 XP_045170965.1 42.3 324
175 6 48 365 73 390 2.10E-69 271.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030610 7604 367.9 UdeM00000030610 XP_033641066.1 53.9 332
136 2 4 318 3 334 1.50E-98 367.9 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatida;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000030611 6579 229.9 UdeM00000030611 XP_033752673.1 67.5 160
52 0 1 160 493 652 2.20E-57 229.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030612 6579 197.2 UdeM00000030612 XP_033752673.1 49.3 207
 95 3 21 225 273 471 2.20E-47 197.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030613 6573 183.7 UdeM00000030613 XP_021367843.1 53.9 180
 79 3 1 177 31 209 2.20E-43 183.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030614 6596 495 UdeM00000030614 XP_045170291.1 63.2 380
 133 3 2 380 4 377 8.70E-137 495 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030615 6596 239.6 UdeM00000030615 XP_045170283.1 55.7 323
 132 3 1 312 1 323 5.40E-60 239.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030616 6596 637.1 UdeM00000030616 XP_045170274.1 60.7 527
 192 4 11 530 10 528 2.00E-179 637.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030617 6573 828.2 UdeM00000030617 XP_021366508.1 59.1 738
 292 4 1 732 5 738 9.50E-237 828.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030618 6596 518.8 UdeM00000030618 XP_045177495.1 59 422
 173 0 1 422 29 450 6.30E-144 518.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030619 6596 435.3 UdeM00000030619 XP_045177476.1 70.5 319
 92 2 5 321 3 321 7.10E-119 435.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030620 6596 415.2 UdeM00000030620 XP_045177436.1 66 326
 108 3 9 332 13 337 7.70E-113 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030621 6579 152.9 UdeM00000030621 XP_033736310.1 56.5 154
 62 2 25 173 10 163 6.10E-34 152.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000030622 6579 152.9 UdeM00000030622 XP_033736310.1 56.5 154
62 2 18 166 10 163 5.90E-34 152.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000030623 6596 261.5 UdeM00000030623 XP_045162828.1 63.7 204
71 1 1 204 1 201 8.70E-67 261.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030624 6596 818.1 UdeM00000030624 XP_045172018.1 81.6 477
87 1 33 509 27 502 6.00E-234 818.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030625 6500 113.2 UdeM00000030625 NP_001191613.1 62.8 78
29 0 1 78 275 352 1.90E-22 113.2 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000030626 6596 533.5 UdeM00000030626 XP_045159951.1 60.2 445
166 3 5 438 37 481 2.60E-148 533.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030628 6596 412.9 UdeM00000030628 XP_045159951.1 51.2 445
142 4 5 374 37 481 4.40E-112 412.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030627 6596 414.8 UdeM00000030627 XP_045159951.1 50.7 458
143 5 1 383 32 481 1.20E-112 414.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030630 6596 367.5 UdeM00000030630 XP_045159951.1 67.6 262
80 1 5 261 37 298 1.40E-98 367.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030632 6596 367.5 UdeM00000030632 XP_045159951.1 67.6 262
80 1 5 261 37 298 1.40E-98 367.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030633 6596 538.9 UdeM00000030633 XP_045159951.1 61.6 445
 160 3 5 438 37 481 6.20E-150 538.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030635 6596 667.9 UdeM00000030635 XP_045169093.1 83.5 375
 62 0 4 378 5 379 7.50E-189 667.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030636 6596 662.9 UdeM00000030636 XP_045214053.1 81.1 375
 71 0 4 378 5 379 2.40E-187 662.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030637 42100 529.6 UdeM00000030637 XP_032464640.1 79.7 310
 63 0 5 314 4 313 2.60E-147 529.6 42100 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Artiodactyla;Whippomorpha;Cetacea;Odontocet
 i;Phocoenidae;Phocoena;Phocoena sinus

UdeM00000030638 6596 594 UdeM00000030638 XP_045214053.1 72.8 375
 102 0 4 378 5 379 1.40E-166 594 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030639 6573 286.2 UdeM00000030639 XP_021356943.1 78.8 170
 36 0 1 170 1 170 2.80E-74 286.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030641 6596 498.4 UdeM00000030641 XP_045187754.1 52.4 464
 197 5 1 443 1 461 9.20E-138 498.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030642 6565 91.7 UdeM00000030642 XP_022331123.1 50 94
 47 0 11 104 32 125 6.10E-16 91.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000030643 6596 572 UdeM00000030643 XP_045181246.1 78 328
 70 1 1 326 1636 1963 4.80E-160 572 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030644 6596 549.7 UdeM00000030644 XP_045181246.1 76.6 333
 78 0 45 377 1290 1622 3.00E-153 549.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030645 6596 2169.8 UdeM00000030645 XP_045181246.1 75.9
 1290 309 1 1 1288 1 1290 0.00E+00 2169.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030646 6596 268.5 UdeM00000030646 XP_045185617.1 65.8 184
 63 0 1 184 25 208 6.50E-69 268.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030647 6596 1244.2 UdeM00000030647 XP_045164778.1 70.8
 978 240 12 1 935 71 1045 0.00E+00 1244.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030648 6573 682.2 UdeM00000030648 XP_021345460.1 98.5 326
 5 0 1 326 9 334 3.30E-193 682.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030650 6596 439.1 UdeM00000030650 XP_045174168.1 59.2 390
 147 4 194 583 378 755 1.00E-119 439.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030651 6596 439.1 UdeM00000030651 XP_045174168.1 59.2 390
 147 4 177 566 378 755 1.00E-119 439.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030652 6565 469.9 UdeM00000030652 XP_022330832.1 65.1 350
 118 2 138 487 88 433 3.90E-129 469.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030653 6565 108.6 UdeM00000030653 XP_022336169.1 42.5 134
 58 3 2 125 346 470 6.10E-21 108.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000030654 29159 486.1 UdeM00000030654 XP_034302097.1 41.9 623
 335 9 12 630 25 624 7.00E-134 486.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030655 6596 361.3 UdeM00000030655 XP_045172065.1 31.7 776
 440 19 21 763 57 775 3.10E-96 361.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030657 225164 65.1 UdeM00000030657 XP_009059819.1 44.2
 86 43 2 93 175 71 154 1.10E-07 65.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000030658 225164 59.3 UdeM00000030658 XP_009059819.1 41.9
 86 45 2 93 175 71 154 5.80E-06 59.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000030659 29159 826.6 UdeM00000030659 XP_034323619.1 72.4 543
 144 1 1 537 85 627 1.80E-236 826.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030660 6573 202.2 UdeM00000030660 XP_021351448.1 68.8 141
 44 0 1 141 1 141 5.40E-49 202.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030661 6579 683.3 UdeM00000030661 XP_033734093.1 66.8 594
 177 5 9 597 139 717 2.70E-193 683.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030662 6596 1478.4 UdeM00000030662 XP_045187403.1 83.2
 844 142 0 7 850 5 848 0.00E+00 1478.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030663 6596 852 UdeM00000030663 XP_045187400.1 53.3 1042
 429 14 11 1025 8 1018 7.80E-244 852 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030664 29159 63.2 UdeM00000030664 XP_011419439.1 66.7 48
 13 1 8 55 71 115 5.20E-07 63.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000030665 6596 124.8 UdeM00000030665 XP_045180427.1 49.6 115
 56 1 80 192 159 273 1.30E-25 124.8 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euh
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000030666 29159 936 UdeM00000030666 XP_011419438.1 71 631
 176 3 1 627 1 628 2.40E-269 936 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000030667 6565 171.8 UdeM00000030667 XP_022291081.1 55.6 142
 56 3 3 142 1 137 6.40E-40 171.8 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000030668 6565 174.1 UdeM00000030668 XP_022328170.1 58.3 139
 53 2 1 139 1 134 1.30E-40 174.1 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000030669 1735272 73.9 UdeM00000030669 XP_041352613.1 56.6
 53 23 0 20 72 114 166 9.20E-11 73.9 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000030670 6573 87.8 UdeM00000030670 XP_021379667.1 69 71
 21 1 2 71 45 115 7.40E-15 87.8 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000030671 6565 164.5 UdeM00000030671 XP_022331292.1 39 213
 112 5 68 278 43 239 5.60E-37 164.5 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000030672 29159 130.2 UdeM00000030672 XP_011418993.3 23.7 1096
 634 35 68 1142 99 1013 1.70E-26 130.2 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000030673 29159 372.9 UdeM00000030673 XP_011418990.1 72.2 252
 70 0 12 263 21 272 3.50E-100 372.9 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000030674 6573 177.9 UdeM00000030674 XP_021373151.1 64.1 131
 44 1 1 131 26 153 4.40E-41 177.9 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000030676 6596 995.3 UdeM00000030676 XP_045176302.1 89.3 553
 53 2 17 569 142 688 3.10E-287 995.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030675 6596 1032.7 UdeM00000030675 XP_045176263.1 79.8
 658 71 3 17 674 142 737 2.10E-298 1032.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030677 6596 618.2 UdeM00000030677 XP_045176241.1 46.1 800
 360 12 1 783 1 746 1.40E-173 618.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030678 6596 1113.2 UdeM00000030678 XP_045186106.1 53.2
 999 441 7 24 1004 31 1020 0.00E+00 1113.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030679 6579 112.5 UdeM00000030679 XP_033734802.1 30.3 439
 245 13 1 437 1 380 1.40E-21 112.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030680 6596 503.4 UdeM00000030680 XP_045175060.1 35.3 1102
 547 21 1 1084 1 954 7.00E-139 503.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030682 6596 652.5 UdeM00000030682 XP_045170439.1 66 527
 171 4 3 525 161 683 4.50E-184 652.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030681 6573 676 UdeM00000030681 XP_021374213.1 60.8 594
 219 4 13 593 87 679 4.30E-191 676 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030683 6596 501.9 UdeM00000030683 XP_045161383.1 52 467
 212 3 1 466 1 456 9.00E-139 501.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030684 6565 515 UdeM00000030684 XP_022339409.1 52.9 467
 215 4 1 463 2 467 1.10E-142 515 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030685 6579 249.2 UdeM00000030685 XP_033754677.1 55.6 207
 92 0 1 207 265 471 4.60E-63 249.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030687 1529436 90.1 UdeM00000030687 XP_033101539.1 25.3
 308 103 5 41 223 441 746 4.00E-15 90.1 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000030688 29159 60.8 UdeM00000030688 XP_034304596.1 43.3 67
 38 0 2 68 13 79 1.80E-06 60.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030689 6596 488.8 UdeM00000030689 XP_045161383.1 51.6 455
 218 2 5 458 4 457 7.60E-135 488.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030690 6596 80.5 UdeM00000030690 XP_045187869.1 32.9 158
 98 4 124 276 195 349 4.50E-12 80.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030691 6596 57.4 UdeM00000030691 XP_045176602.1 54.5 44
 20 0 12 55 414 457 8.20E-06 57.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030692 6596 310.8 UdeM00000030692 XP_045212395.1 50.2 313
 136 4 1 294 1 312 2.00E-81 310.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030693 6596 166 UdeM00000030693 XP_045216775.1 55.6 133
 59 0 4 136 318 450 4.80E-38 166 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030694 6596 492.3 UdeM00000030694 XP_045161383.1 46.4 535
 207 3 1 534 1 456 8.20E-136 492.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030696 6579 499.2 UdeM00000030696 XP_033754677.1 52 469
218 5 5 469 4 469 5.70E-138 499.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030697 6596 194.9 UdeM00000030697 XP_045161277.1 48.4 192
98 1 1 191 1 192 1.00E-46 194.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030698 1735272 198 UdeM00000030698 XP_041353064.1 58.8
153 63 0 1 153 198 350 8.90E-48 198 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030699 6596 107.8 UdeM00000030699 XP_045212395.1 62.5 88
33 0 1 88 366 453 9.00E-21 107.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030701 6596 375.9 UdeM00000030701 XP_045161383.1 49.2 388
192 3 2 387 69 453 6.10E-101 375.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030703 1735272 901.4 UdeM00000030703 XP_041371346.1 44.4
1032 544 13 98 1113 103 1120 1.20E-258 901.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030704 6573 1471.1 UdeM00000030704 XP_021353655.1 78.1
934 205 0 1 934 1 934 0.00E+00 1471.1 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030705 6596 158.7 UdeM00000030705 XP_045161221.1 60.4 111
43 1 1 111 1 110 4.40E-36 158.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030706 1735272 92.8 UdeM00000030706 XP_041353466.1 32.9
255 152 10 1 246 1 245 7.50E-16 92.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030707 50429 91.3 UdeM00000030707 XP_022796476.1 55.1 89
40 0 1 89 1 89 7.00E-16 91.3 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000030708 6596 329.7 UdeM00000030708 XP_045162658.1 77.5 213
45 2 1 213 1 210 2.70E-87 329.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030709 7739 253.4 UdeM00000030709 XP_035696678.1 63.1 187
69 0 2 188 423 609 2.20E-64 253.4 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae

UdeM00000030710 6596 439.5 UdeM00000030710 XP_045162626.1 47.2 449
207 5 10 450 23 449 6.80E-120 439.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030711 6596 159.1 UdeM00000030711 XP_045181277.1 33.7 243
151 6 106 339 139 380 1.00E-35 159.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030712 6596 178.3 UdeM00000030712 XP_045181277.1 34.4 279
169 6 83 348 95 372 1.70E-41 178.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030713 6596 188.7 UdeM00000030713 XP_045181277.1 31.4 344
203 6 27 361 53 372 1.30E-44 188.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030714 1735272 188.3 UdeM00000030714 XP_041355827.1 54.4
160 72 1 2 161 233 391 8.50E-45 188.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030715 6596 282.7 UdeM00000030715 XP_045162626.1 58.9 219
89 1 10 227 23 241 4.10E-73 282.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030716 6596 155.2 UdeM00000030716 XP_045181277.1 40 195
 111 4 15 204 126 319 1.20E-34 155.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030718 6596 146 UdeM00000030718 XP_045181277.1 29.6 297
 163 7 64 315 77 372 8.50E-32 146 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030719 6596 65.1 UdeM00000030719 XP_045177372.1 29 131
 88 3 1 130 22 148 1.30E-07 65.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030720 6596 99 UdeM00000030720 XP_045174482.1 24.3 375
 239 10 1 336 22 390 1.30E-17 99 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030721 6596 79 UdeM00000030721 XP_045176094.1 48.3 89
 44 2 26 113 83 170 5.20E-12 79 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030722 6596 158.7 UdeM00000030722 XP_045176094.1 40.2 199
 109 5 24 219 79 270 8.60E-36 158.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030723 6596 97.8 UdeM00000030723 XP_045177373.1 25.5 345
 232 11 1 334 22 352 2.80E-17 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030724 6596 145.2 UdeM00000030724 XP_045181277.1 34.6 243
 149 6 73 309 81 319 1.50E-31 145.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030726 6596 249.6 UdeM00000030726 XP_045176664.1 30.7 584
 346 18 6 553 7 567 9.30E-63 249.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030727 48701 87.8 UdeM00000030727 XP_014866931.1 37.3 134
 52 2 7 108 254 387 9.20E-15 87.8 48701 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoides;Poeciliidae;Poeciliinae;Poecilia;Poecili
 a mexicana

UdeM00000030729 6596 88.2 UdeM00000030729 XP_045181277.1 46.9 81
 42 1 2 82 240 319 1.10E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030730 1735272 253.8 UdeM00000030730 XP_041355828.1 52.2
 245 115 2 11 254 102 345 2.50E-64 253.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030732 6596 99.4 UdeM00000030732 XP_045181277.1 34 156
 96 4 83 232 137 291 6.70E-18 99.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030733 6596 147.5 UdeM00000030733 XP_045181277.1 35.2 196
 120 4 11 200 178 372 1.90E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030735 6596 150.6 UdeM00000030735 XP_045181277.1 38.3 193
 112 4 11 197 178 369 2.30E-33 150.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030736 6596 119.4 UdeM00000030736 XP_045181277.1 39.9 143
 81 3 117 255 178 319 8.70E-24 119.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030737 6596 269.2 UdeM00000030737 XP_045156248.1 34 473
 234 6 4 426 7 451 9.40E-69 269.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030738 1735272 164.5 UdeM00000030738 XP_041355827.1 51.6
 155 73 2 2 155 233 386 1.20E-37 164.5 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030739 6596 152.1 UdeM00000030739 XP_045162626.1 58.1 117
48 1 29 145 75 190 6.10E-34 152.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030740 6596 162.9 UdeM00000030740 XP_045181277.1 35.3 235
143 5 106 332 139 372 7.10E-37 162.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030741 6596 118.6 UdeM00000030741 XP_045176094.1 33.6 229
119 6 31 253 18 219 1.20E-23 118.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030742 6596 89.7 UdeM00000030742 XP_045176094.1 42.6 101
57 1 115 215 70 169 5.40E-15 89.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030743 7048 79 UdeM00000030743 XP_030751512.1 37.2 86
54 0 140 225 183 268 9.90E-12 79 7048 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Curculionoidea;Curculionidae;Dryophthorinae;Sitophilus;Sitophilus oryzae

UdeM00000030744 6596 143.3 UdeM00000030744 XP_045181277.1 35.1 208
121 5 117 311 178 384 5.40E-31 143.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030745 6596 164.9 UdeM00000030745 XP_045181277.1 35.6 236
145 4 75 304 85 319 2.10E-37 164.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030746 6596 122.5 UdeM00000030746 XP_045176664.1 39.1 161
86 3 28 183 367 520 5.70E-25 122.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033249 30732 142.1 UdeM00000033249 XP_024118320.1 38.2 207
114 3 14 207 409 614 7.80E-31 142.1 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
melastigma

UdeM00000033250 1529436 70.1 UdeM00000033250 XP_033102039.1 42.9
84 44 2 36 119 295 374 2.20E-09 70.1 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica

UdeM00000033251 6579 240.4 UdeM00000033251 XP_033752673.1 64.1 181
64 1 58 238 457 636 2.40E-60 240.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033253 50429 121.7 UdeM00000033253 XP_022794541.1 30.5 249
152 5 1 239 1 238 3.70E-24 121.7 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000033254 6596 285.8 UdeM00000033254 XP_045169782.1 50.6 265
130 1 1 264 56 320 5.60E-74 285.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033258 6596 200.7 UdeM00000033258 XP_045158584.1 54.5 178
75 4 1 176 33 206 1.60E-48 200.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033260 181472 88.2 UdeM00000033260 XP_029975096.1 47.7
86 45 0 2 87 299 384 5.70E-15 88.2 181472

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Blennioidei;Blenniidae;Salariinae;Salaris;Salaris fasciatus

UdeM00000033261 30732 109.4 UdeM00000033261 XP_024118320.1 37 173
95 3 14 173 409 580 4.80E-21 109.4 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
melastigma

UdeM00000033262 1529436 70.5 UdeM00000033262 XP_033102039.1 45.1
 71 38 1 49 119 305 374 1.70E-09 70.5 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000033263 6579 199.9 UdeM00000033263 XP_033752673.1 61.5 161
 61 1 58 218 457 616 3.60E-48 199.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033264 50429 120.6 UdeM00000033264 XP_022779123.1 32.6 230
 136 4 11 235 6 221 9.30E-24 120.6 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000033265 6596 287.7 UdeM00000033265 XP_045187150.1 38 447
 179 4 1 354 135 576 2.00E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033266 6596 72.4 UdeM00000033266 XP_045158901.1 51.6 64
 31 0 1 64 10 73 2.90E-10 72.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033267 30611 62.8 UdeM00000033267 XP_003783397.1 32.7 101
 68 0 39 139 99 199 4.10E-07 62.8 30611 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Strepsirrhini;Lorisiformes;Galag
 idae;Otolemur;Otolemur garnettii
 UdeM00000033696 6565 125.6 UdeM00000033696 XP_022302274.1 44.1 145
 58 2 154 276 159 302 1.00E-25 125.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033697 6596 642.5 UdeM00000033697 XP_045156796.1 47.2 759
 368 14 47 780 15 765 6.90E-181 642.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033698 6596 246.5 UdeM00000033698 XP_045216710.1 52 277
 124 5 5 277 4 275 4.10E-62 246.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033699 6596 67.8 UdeM00000033699 XP_045216710.1 44.3 106
 54 3 1 105 174 275 1.10E-08 67.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036700 50390 197.2 UdeM00000036700 XP_028127913.1 43.7 231
129 1 1 231 1 230 2.40E-47 197.2 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000036701 6573 603.6 UdeM00000036701 XP_021348412.1 63.8 469
162 4 1 461 43 511 2.10E-169 603.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036702 2607531 708.8 UdeM00000036702 XP_036363772.1 73.2
488 119 5 52 533 48 529 5.50E-201 708.8 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000036703 6596 301.2 UdeM00000036703 XP_045156584.1 64.1 209
73 1 3 211 4 210 1.10E-78 301.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036704 6596 150.6 UdeM00000036704 XP_045182101.1 27 423
287 5 1 423 9 409 4.60E-33 150.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036705 6596 157.5 UdeM00000036705 XP_045187895.1 30.3 389
251 5 38 426 32 400 3.70E-35 157.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036706 6596 147.5 UdeM00000036706 XP_045187895.1 30.4 388
246 6 42 428 36 400 3.90E-32 147.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036707 1735272 351.7 UdeM00000036707 XP_041362692.1 74
235 57 2 1 231 1 235 7.30E-94 351.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036708 8030 103.6 UdeM00000036708 XP_013981613.1 54.2 96
 39 1 1 91 1 96 1.40E-19 103.6 8030 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salm
 oninae;Salmo;Salmo salar

UdeM00000036709 6596 88.6 UdeM00000036709 XP_045215128.1 78.9 57
 12 0 1 57 10 66 4.20E-15 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036710 29159 177.6 UdeM00000036710 XP_011443561.2 58.2 134
 55 1 32 164 48 181 1.30E-41 177.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036711 6596 649 UdeM00000036711 XP_045188256.1 52.6 635
 262 7 1 627 1 604 7.20E-183 649 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036712 1735272 573.5 UdeM00000036712 XP_041372916.1 74.5
 380 87 3 16 391 96 469 2.80E-160 573.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036713 6596 64.3 UdeM00000036713 XP_045215128.1 53.4 73
 22 4 144 204 694 766 2.00E-07 64.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036714 37653 219.5 UdeM00000036714 XP_014783344.1 63.7 179
 57 3 216 386 311 489 8.70E-54 219.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000036715 6579 277.3 UdeM00000036715 XP_033749450.1 54.6 359
 145 7 1 355 1 345 3.20E-71 277.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036716 6579 411.4 UdeM00000036716 XP_033749140.1 54.1 481
 184 13 8 475 4 460 1.60E-111 411.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036717 6579 765.4 UdeM00000036717 XP_033750311.1 59.1 672
 241 5 6 648 9 675 5.90E-218 765.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036719 1735272 681.4 UdeM00000036719 XP_041369897.1 72.8
519 132 5 101 612 82 598 1.10E-192 681.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036720 6579 196.8 UdeM00000036720 XP_033750305.1 65.3 225
68 3 1 225 1 215 2.90E-47 196.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036721 6565 211.1 UdeM00000036721 XP_022329218.1 44.6 269
131 5 24 290 22 274 1.90E-51 211.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036722 225164 57.8 UdeM00000036722 XP_009048623.1 50.9
55 25 1 1 55 1 53 7.60E-06 57.8 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000036723 6596 625.5 UdeM00000036723 XP_045216280.1 63.2 549
191 4 1 549 1 538 6.20E-176 625.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036724 6565 626.3 UdeM00000036724 XP_022329509.1 60 550
184 6 1 549 1 515 3.60E-176 626.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036725 6565 587.4 UdeM00000036725 XP_022329509.1 59.1 526
179 6 1 525 25 515 1.80E-164 587.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036726 6596 929.9 UdeM00000036726 XP_045216283.1 65 718
216 12 2 712 3 692 2.00E-267 929.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036727 29159 282.3 UdeM00000036727 XP_011415026.2 78.7 169
36 0 3 171 47 215 4.20E-73 282.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036728 6565 110.9 UdeM00000036728 XP_022327962.1 58.1 93
37 1 3 93 626 718 8.70E-22 110.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000036729 6565 134.4 UdeM00000036729 XP_022327962.1 54.3 127
57 1 1 126 445 571 1.10E-28 134.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000036731 1735272 250.8 UdeM00000036731 XP_041370529.1 40.6
367 105 2 16 382 210 463 3.10E-63 250.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000036733 1735272 238 UdeM00000036733 XP_041370517.1 62.2
172 65 0 1 172 43 214 1.10E-59 238 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000036734 6596 325.9 UdeM00000036734 XP_045213493.1 45.5 345
180 5 1 342 58 397 6.30E-86 325.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036735 6579 1045 UdeM00000036735 XP_033750207.1 58.7 928
365 5 232 1145 224 1147 6.80E-302 1045 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036736 6573 156.8 UdeM00000036736 XP_021346145.1 35.2 301
170 10 12 304 39 322 5.70E-35 156.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000036737 6573 136.3 UdeM00000036737 XP_021371818.1 31.1 267
174 5 17 277 37 299 6.40E-29 136.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000036738 6573 305.8 UdeM00000036738 XP_021342879.1 53.5 288
122 4 8 293 5 282 6.00E-80 305.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000036739 6596 812.8 UdeM00000036739 XP_045215116.1 43.4 1098
439 26 35 970 41 1117 4.80E-232 812.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036740 6596 423.3 UdeM00000036740 XP_045156405.1 49.9 447
204 8 1 446 1 428 4.00E-115 423.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036744 6596 272.7 UdeM00000036744 XP_045156519.1 66.1 257
77 4 1 251 1 253 4.70E-70 272.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036745 6596 919.1 UdeM00000036745 XP_045216911.1 85.9 554
74 1 1 550 1 554 2.70E-264 919.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036746 6596 592.8 UdeM00000036746 XP_045156716.1 74.1 348
90 0 3 350 2 349 2.90E-166 592.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036747 6596 110.5 UdeM00000036747 XP_045156718.1 46.7 137
47 5 1 133 1 115 1.70E-21 110.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036748 6579 406 UdeM00000036748 XP_033750011.1 82.6 247
43 0 13 259 166 412 3.90E-110 406 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036749 6596 529.3 UdeM00000036749 XP_045156721.1 67.7 406
122 6 156 554 380 783 6.10E-147 529.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036751 6565 99.8 UdeM00000036751 XP_022307917.1 29.3 246
159 8 9 253 11 242 2.40E-17 99.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036752 6565 99.8 UdeM00000036752 XP_022307917.1 29.3 246
159 8 9 253 11 242 2.50E-17 99.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036755 6596 177.2 UdeM00000036755 XP_045166426.1 30.6 366
222 8 105 448 385 740 5.10E-41 177.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036756 6596 186 UdeM00000036756 XP_045166426.1 33.1 317
 201 4 27 334 429 743 8.20E-44 186 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036758 6596 173.3 UdeM00000036758 XP_045166426.1 34 291
 179 5 1 281 454 741 4.70E-40 173.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036759 6565 209.9 UdeM00000036759 XP_022301022.1 34.6 298
 191 4 1 296 65 360 4.40E-51 209.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036760 6565 280.8 UdeM00000036760 XP_022342533.1 39.8 372
 220 4 34 404 57 425 2.90E-72 280.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036761 29159 98.6 UdeM00000036761 XP_034330187.1 31.8 233
 138 8 9 230 11 233 1.50E-17 98.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036762 6596 885.6 UdeM00000036762 XP_045199689.1 51.1 922
 402 13 262 1149 2 908 6.90E-254 885.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036763 69319 100.1 UdeM00000036763 XP_008557311.1 58.4 89
 35 1 52 138 1231 1319 4.00E-18 100.1 69319 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
 sitoida;Ichneumonoidea;Braconidae;Microgastrinae;Microplitis;Microplitis
 demolitor
 UdeM00000036764 6596 72.4 UdeM00000036764 XP_045189349.1 31.4 121
 79 3 5 125 136 252 6.70E-10 72.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036765 6565 132.9 UdeM00000036765 XP_022299727.1 50 134
 66 1 29 162 145 277 4.30E-28 132.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036767 225164 154.8 UdeM00000036767 XP_009059669.1 33.4
 287 172 9 31 308 18 294 1.80E-34 154.8 225164
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000036768 1735272 134 UdeM00000036768 XP_041374972.1 31
310 174 8 6 285 214 513 3.10E-28 134 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036769 225164 138.7 UdeM00000036769 XP_009059669.1 34.3
248 145 8 11 249 53 291 1.10E-29 138.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000036771 6579 380.2 UdeM00000036771 XP_033750110.1 59.5 296
120 0 19 314 19 314 3.30E-102 380.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036772 6596 304.7 UdeM00000036772 XP_045178405.1 53.6 291
127 4 10 293 8 297 1.30E-79 304.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036773 1735272 368.6 UdeM00000036773 XP_041362073.1 36.4
640 392 8 4 640 8 635 1.60E-98 368.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036774 6596 427.2 UdeM00000036774 XP_045156828.1 72.9 280
73 1 40 319 28 304 1.90E-116 427.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036776 6596 507.7 UdeM00000036776 XP_045215354.1 68.3 369
108 1 6 365 7 375 1.20E-140 507.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036777 400727 341.3 UdeM00000036777 XP_025076929.1 47.5
356 177 2 30 376 33 387 1.70E-90 341.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000036778 6596 323.2 UdeM00000036778 XP_045216426.1 49.6 486
217 8 29 506 62 527 6.10E-85 323.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036779 6565 123.2 UdeM00000036779 XP_022299727.1 39.7 136
 80 2 28 161 587 722 4.90E-25 123.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036780 6596 80.5 UdeM00000036780 XP_045216426.1 63.6 66
 23 1 1 66 1 65 1.10E-12 80.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036784 6579 403.3 UdeM00000036784 XP_033750114.1 67.7 269
 87 0 1 269 951 1219 2.40E-109 403.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036782 6579 405.6 UdeM00000036782 XP_033750114.1 66.5 275
 92 0 22 296 945 1219 5.40E-110 405.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036783 6579 518.5 UdeM00000036783 XP_033750114.1 50.3 527
 251 6 739 1260 699 1219 2.40E-143 518.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036781 6579 518.5 UdeM00000036781 XP_033750114.1 50.3 527
 251 6 801 1322 699 1219 2.60E-143 518.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036785 6596 146.7 UdeM00000036785 XP_045156413.1 38 237
 130 8 816 1048 6 229 1.60E-31 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036786 6565 57.8 UdeM00000036786 XP_022299727.1 41.8 67
 37 1 1 65 46 112 1.00E-05 57.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036787 400727 141 UdeM00000036787 XP_025077319.1 59
 105 43 0 13 117 1328 1432 2.50E-30 141 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000036788 50390 197.2 UdeM00000036788 XP_028127913.1 43.7 231
 129 1 1 231 1 230 2.40E-47 197.2 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000036789 1735272 1598.2 UdeM00000036789 XP_041370232.1
62.5 1335 454 9 12 1337 6 1303 0.00E+00 1598.2
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036790 202533 171 UdeM00000036790 XP_035211171.1 47.8
201 92 5 1 195 1 194 1.50E-39 171 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000036791 29159 79.7 UdeM00000036791 XP_034325459.1 66.7 72
23 1 1 71 1169 1240 1.70E-12 79.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036792 6596 1262.7 UdeM00000036792 XP_045216450.1 67
1098 266 24 59 1087 53 1123 0.00E+00 1262.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036794 7739 117.5 UdeM00000036794 XP_035668293.1 63.5 85
31 0 44 128 27 111 1.30E-23 117.5 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000036795 7739 111.7 UdeM00000036795 XP_035668293.1 65.3 75
26 0 1 75 37 111 4.40E-22 111.7 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000036798 29159 115.9 UdeM00000036798 XP_011437747.1 77.7 121
27 0 2 122 164 284 3.60E-23 115.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036797 6573 323.6 UdeM00000036797 XP_021377187.1 68.7 284
89 0 1 284 1 284 2.60E-85 323.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036799 6573 283.9 UdeM00000036799 XP_021377187.1 73.1 234
63 0 1 234 1 234 2.30E-73 283.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036801 6596 181.8 UdeM00000036801 XP_045216692.1 33.9 336
 195 11 10 340 311 624 2.00E-42 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036800 6596 178.3 UdeM00000036800 XP_045215865.1 29 355
 212 2 1 315 75 429 2.40E-41 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036802 6596 153.7 UdeM00000036802 XP_045216692.1 40 205
 123 0 6 210 5 209 2.90E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036803 6596 392.1 UdeM00000036803 XP_045216692.1 35.7 641
 386 9 5 639 4 624 1.60E-105 392.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036805 6706 151.8 UdeM00000036805 XP_042235765.1 45.6 158
 85 1 1 158 1 157 7.60E-34 151.8 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus

UdeM00000036807 225164 161.4 UdeM00000036807 XP_009046857.1 34
 288 177 7 110 391 14 294 2.50E-36 161.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000036808 1735272 140.2 UdeM00000036808 XP_041351056.1 32.4
 253 146 6 12 248 99 342 3.80E-30 140.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036809 1735272 137.1 UdeM00000036809 XP_041365607.1 31
 287 151 10 23 273 31 306 3.70E-29 137.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036810 225164 154.1 UdeM00000036810 XP_009059669.1 33.9
 286 171 8 31 307 18 294 3.10E-34 154.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000036812 7111 77.4 UdeM00000036812 XP_026736514.1 35.3 136
 74 4 51 175 13 145 2.10E-11 77.4 7111 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;N
 octuidae;Plusiinae;Trichoplusia;Trichoplusia ni
 UdeM00000036813 6573 149.4 UdeM00000036813 XP_021346145.1 33.7 285
 171 7 32 306 46 322 7.60E-33 149.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036814 6596 304.3 UdeM00000036814 XP_045216692.1 30.8 633
 412 8 18 642 5 619 4.40E-79 304.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036815 6596 335.9 UdeM00000036815 XP_045216692.1 32.4 635
 405 7 15 643 3 619 1.40E-88 335.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036816 6579 305.4 UdeM00000036816 XP_033750359.1 59.6 270
 95 5 15 271 7 275 7.10E-80 305.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036819 29159 131.7 UdeM00000036819 XP_034331519.1 45.7 151
 70 5 22 166 675 819 1.60E-27 131.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036818 6596 284.3 UdeM00000036818 XP_045216800.1 35.4 511
 301 11 358 863 418 904 6.50E-73 284.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036820 6565 425.2 UdeM00000036820 XP_022329905.1 49.2 490
 206 10 2 481 57 513 1.10E-115 425.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036821 6596 909.4 UdeM00000036821 XP_045156185.1 72.7 605
 154 4 1 600 1 599 2.30E-261 909.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041730 7574 124.4 UdeM00000041730 XP_023931285.1 51.9 106
 47 2 75 176 33 138 4.00E-25 124.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000041731 2652724 69.7 UdeM00000041731 XP_028515036.1 60.5
43 17 0 174 216 4088 4130 7.00E-09 69.7 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000041732 6596 340.1 UdeM00000041732 XP_045188338.1 52.5 320
109 4 28 316 430 737 3.10E-90 340.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041733 225164 110.9 UdeM00000041733 XP_009056234.1 60.9
69 26 1 1 69 536 603 8.10E-22 110.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000041734 6596 908.3 UdeM00000041734 XP_045188338.1 60.5 664
245 5 145 792 830 1492 6.90E-261 908.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041735 2607531 106.7 UdeM00000041735 XP_029648784.1 69.7
66 20 0 39 104 14 79 1.80E-20 106.7 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000041737 2607531 106.3 UdeM00000041737 XP_029648784.1 69.7
66 20 0 4 69 14 79 1.60E-20 106.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000041752 6573 190.3 UdeM00000041752 XP_021347892.1 56.1 157
69 0 1 157 297 453 1.90E-45 190.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041753 6596 394.4 UdeM00000041753 XP_045173837.1 70.2 292
83 3 1 288 1 292 1.20E-106 394.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041754 45351 96.7 UdeM00000041754 XP_032238514.1 43.9 107
49 2 4 99 2 108 1.80E-17 96.7 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000041755 6565 478 UdeM00000041755 XP_022343310.1 74.4 293
73 2 8 298 7 299 8.70E-132 478 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041756 400727 501.5 UdeM00000041756 XP_025089045.1 76.1
343 76 2 1 337 1 343 8.30E-139 501.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000041757 1735272 337.4 UdeM00000041757 XP_041349728.1 59.8
264 106 0 9 272 11 274 1.70E-89 337.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041758 6596 590.1 UdeM00000041758 XP_045173485.1 44.3 727
351 13 62 739 28 749 3.90E-165 590.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041759 6596 1281.5 UdeM00000041759 XP_045172180.1 78.1
858 172 3 1 851 1 849 0.00E+00 1281.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041760 6596 1385.5 UdeM00000041760 XP_045171874.1 60.7
1243 401 12 1 1159 1 1240 0.00E+00 1385.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000041761 6579 99.8 UdeM00000041761 XP_033762037.1 25.8 356
242 9 160 499 334 683 1.20E-17 99.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041762 1735272 224.6 UdeM00000041762 XP_041347658.1 71.5
246 56 3 52 291 43 280 1.70E-55 224.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041763 6579 283.5 UdeM00000041763 XP_033747902.1 49.8 263
121 2 4 266 3 254 2.80E-73 283.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041764 29159 286.2 UdeM00000041764 XP_034299976.1 46.9 292
136 6 70 343 105 395 6.60E-74 286.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041765 6579 292 UdeM00000041765 XP_033747902.1 51.3 263
117 2 4 266 3 254 7.90E-76 292 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000041766 1735272 690.3 UdeM00000041766 XP_041349420.1 42.9
863 360 18 96 838 100 949 3.10E-195 690.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000041767 1735272 936.4 UdeM00000041767 XP_041349420.1 51
926 427 16 538 1448 36 949 4.30E-269 936.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000041770 6596 172.9 UdeM00000041770 XP_045172215.1 54.8 303
120 4 1 293 1 296 5.90E-40 172.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041771 6565 95.5 UdeM00000041771 XP_022337386.1 24 438
286 11 115 528 141 555 2.10E-16 95.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041772 6565 95.5 UdeM00000041772 XP_022337386.1 24 438
286 11 147 560 141 555 2.30E-16 95.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041773 6579 306.2 UdeM00000041773 XP_033743480.1 39 446
245 10 7 439 22 453 6.90E-80 306.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018353 6596 139 UdeM00000018353 XP_045206881.1 42.7 164
82 5 1 159 1 157 5.10E-30 139 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018354 6596 124 UdeM00000018354 XP_045211380.1 40.3 139
74 3 15 151 12 143 1.60E-25 124 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018355 6573 1367.1 UdeM00000018355 XP_021368707.1 43
1662 922 12 1 1650 1 1648 0.00E+00 1367.1 6573

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018357 6596 269.6 UdeM00000018357 XP_045161140.1 73.7 167
44 0 24 190 71 237 3.00E-69 269.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018359 6596 110.2 UdeM00000018359 XP_045161140.1 69 71
22 0 38 108 53 123 1.80E-21 110.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018360 400727 399.8 UdeM00000018360 XP_025108466.1 46.5
467 237 4 12 478 89 542 6.70E-108 399.8 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000018361 70779 161.8 UdeM00000018361 XP_015770379.1 52.4 143
65 3 4 145 8 148 6.80E-37 161.8 70779 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera
UdeM00000018362 6565 130.6 UdeM00000018362 XP_022328252.1 39.8 211
88 6 1 172 1105 1315 2.00E-27 130.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018363 6596 303.9 UdeM00000018363 XP_045161140.1 63.4 232
80 2 8 238 10 237 1.80E-79 303.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018365 6596 88.2 UdeM00000018365 XP_045161140.1 72.2 54
15 0 59 112 71 124 7.70E-15 88.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018367 6596 169.9 UdeM00000018367 XP_045161140.1 65.3 124
42 1 1 123 1 124 2.10E-39 169.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018368 6596 508.8 UdeM00000018368 XP_045162493.1 47.1 639
307 8 9 621 11 644 9.60E-141 508.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018369 6596 498.4 UdeM00000018369 XP_045162391.1 56.4 417
 180 2 4 420 1 415 8.80E-138 498.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018370 6596 723.8 UdeM00000018370 XP_045161554.1 45.8 1631
 686 48 15 1556 27 1548 1.60E-204 723.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018371 6596 723.8 UdeM00000018371 XP_045161554.1 45.8 1631
 686 48 15 1556 27 1548 1.60E-204 723.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018372 6596 488 UdeM00000018372 XP_045161557.1 62 442
 159 4 36 474 48 483 1.30E-134 488 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018373 6596 146.4 UdeM00000018373 XP_045166258.1 46.9 160
 80 2 2 161 103 257 3.20E-32 146.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018374 218467 157.1 UdeM00000018374 XP_023220759.1 47.2
 180 93 2 1 179 495 673 2.00E-35 157.1 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000018375 114398 213.8 UdeM00000018375 XP_042913023.1 52
 202 97 0 35 236 161 362 2.50E-52 213.8 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000018376 7668 600.1 UdeM00000018376 XP_003729577.2 39.4 867
 478 16 359 1193 65 916 6.10E-168 600.1 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000018377 7668 600.1 UdeM00000018377 XP_003729577.2 39.4 867
 478 16 353 1187 65 916 6.10E-168 600.1 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea; Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000018378 37621 406.8 UdeM00000018378 XP_014672567.1 45.8 421
212 5 1 408 101 518 3.70E-110 406.8 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000018383 6596 755.4 UdeM00000018383 XP_045162440.1 63.1 564
208 0 1 564 1 564 5.30E-215 755.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018384 6596 261.5 UdeM00000018384 XP_045209032.1 62.1 195
74 0 6 200 86 280 8.70E-67 261.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018388 6596 270 UdeM00000018388 XP_045178408.1 56.1 230
99 1 2 229 66 295 2.80E-69 270 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018389 1529436 257.3 UdeM00000018389 XP_033103895.1 51.1
225 109 1 41 264 37 261 2.10E-65 257.3 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000018390 225164 79.3 UdeM00000018390 XP_009053806.1 21.6
342 245 8 288 614 150 483 2.20E-11 79.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000018391 225164 75.9 UdeM00000018391 XP_009053806.1 21.5
344 243 9 83 409 150 483 1.80E-10 75.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000018392 6565 701.4 UdeM00000018392 XP_022346158.1 57.7 593
243 4 1 589 66 654 9.60E-199 701.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018393 6596 2773.4 UdeM00000018393 XP_045165933.1 83.9
1621 255 5 2 1620 853 2469 0.00E+00 2773.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018394 10224 125.6 UdeM00000018394 XP_006813844.1 40.2 164
 98 0 1 164 128 291 7.10E-26 125.6 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000018395 6596 1358.2 UdeM00000018395 XP_045165933.1 80.4
 854 167 0 1 854 1 854 0.00E+00 1358.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018398 6596 170.6 UdeM00000018398 XP_045163289.1 60.2 226
 55 7 1 192 1 225 2.20E-39 170.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018399 6596 152.9 UdeM00000018399 XP_045163289.1 71.7 99
 27 1 3 100 219 317 1.10E-33 152.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018401 29159 177.2 UdeM00000018401 XP_034299474.1 37.9 261
 146 4 4 259 312 561 3.20E-41 177.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018402 6565 135.6 UdeM00000018402 XP_022345446.1 37.2 191
 113 5 12 199 7 193 8.40E-29 135.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018403 6596 338.6 UdeM00000018403 XP_045156399.1 58.8 294
 121 0 43 336 29 322 9.40E-90 338.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018405 6596 262.3 UdeM00000018405 XP_045161881.1 46.2 303
 159 3 9 308 93 394 7.80E-67 262.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018406 6596 1002.7 UdeM00000018406 XP_045163409.1 73.5
 635 168 0 19 653 24 658 2.20E-289 1002.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000018407 6596 146 UdeM00000018407 XP_045166258.1 47.5 160
 79 2 2 161 103 257 4.20E-32 146 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018408 6596 992.6 UdeM00000018408 XP_045163409.1 73.2 631
 169 0 19 649 24 654 3.00E-286 992.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018409 151771 323.2 UdeM00000018409 XP_028406951.1 36.4
 568 313 11 1 540 119 666 6.50E-85 323.2 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000018410 45264 487.3 UdeM00000018410 XP_044165143.1 55.3 443
 191 4 42 481 35 473 2.30E-134 487.3 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000018412 6596 305.8 UdeM00000018412 XP_045216906.1 47.2 320
 158 7 6 321 144 456 6.40E-80 305.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018413 7906 98.6 UdeM00000018413 XP_034777329.1 27 237
 158 7 92 315 23 257 1.60E-17 98.6 7906 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipen
 seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus
 UdeM00000018414 6579 810.8 UdeM00000018414 XP_033763872.1 58 724
 279 10 1 710 1 713 1.60E-231 810.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018415 6596 371.7 UdeM00000018415 XP_045163085.1 59.2 314
 116 4 630 936 473 781 4.50E-99 371.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018416 6579 374.8 UdeM00000018416 XP_033763939.1 60 310
 124 0 15 324 10 319 1.20E-100 374.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018417 29159 323.9 UdeM00000018417 XP_034337081.1 67.7 251
 78 2 1 250 1 249 1.80E-85 323.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018418 1203425 265.8 UdeM00000018418 XP_034561064.1 56
 250 99 4 5 251 20 261 5.70E-68 265.8 1203425
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Labriformes;Labridae
 ;Notolabrus;Notolabrus celidotus
 UdeM00000018419 6279 224.9 UdeM00000018419 XP_042930811.1 50 236
 112 4 3 235 4 236 1.10E-55 224.9 6279 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Spirulina;Spiruromorpha;Filario
 idea;Onchocercidae;Brugia;Brugia malayi
 UdeM00000018420 6596 236.1 UdeM00000018420 XP_045163986.1 98.3 117
 2 0 1 117 1 117 2.30E-59 236.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018421 6579 72 UdeM00000018421 XP_033761099.1 27.1 321
 198 10 82 377 3 312 1.90E-09 72 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018422 6596 299.7 UdeM00000018422 XP_045216113.1 34.9 530
 289 10 50 559 75 568 7.90E-78 299.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018423 6596 141.4 UdeM00000018423 XP_045159628.1 40.3 181
 102 2 10 184 106 286 1.40E-30 141.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018424 6596 242.7 UdeM00000018424 XP_045161584.1 53.1 211
 94 4 40 246 66 275 5.40E-61 242.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018425 6596 308.9 UdeM00000018425 XP_045213528.1 43.5 345
 178 7 36 374 58 391 9.10E-81 308.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018426 6573 518.5 UdeM00000018426 XP_021356537.1 51.1 497
 223 6 19 513 23 501 1.00E-143 518.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018427 225164 501.9 UdeM00000018427 XP_009059410.1 51.8
 477 210 7 24 496 28 488 9.80E-139 501.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000018428 6596 844 UdeM00000018428 XP_045161479.1 44.4 1103
 559 20 67 1147 175 1245 2.30E-241 844 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018429 1735272 167.9 UdeM00000018429 XP_041378349.1 59.8
 127 50 1 36 162 1 126 4.30E-38 167.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018430 46514 60.1 UdeM00000018430 XP_038065366.1 51.4 74
 27 2 32 96 436 509 2.30E-06 60.1 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000018431 46514 60.1 UdeM00000018431 XP_038065366.1 51.4 74
 27 2 22 86 436 509 2.10E-06 60.1 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000018432 1735272 2453.3 UdeM00000018432 XP_041378534.1
 68.1 1895 465 19 1 1866 1 1785 0.00E+00 2453.3
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018433 6565 191.8 UdeM00000018433 XP_022327962.1 56.5 168
 72 1 20 186 202 369 7.70E-46 191.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018434 6596 58.5 UdeM00000018434 XP_045189070.1 42.7 89
 44 4 1 85 1 86 5.90E-06 58.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018435 37621 89.7 UdeM00000018435 XP_014673388.1 32.4 225
 137 7 155 367 73 294 8.50E-15 89.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000018436 6596 495.7 UdeM00000018436 XP_045161161.1 54.2 421
180 3 1 410 1 419 5.50E-137 495.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018437 6596 540.8 UdeM00000018437 XP_045161163.1 79.5 332
68 0 3 334 4 335 1.20E-150 540.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018438 6573 528.1 UdeM00000018438 XP_021372848.1 51 612
240 11 1 564 1 600 1.50E-146 528.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000018439 6573 244.6 UdeM00000018439 XP_021372941.1 32.2 624
319 21 331 910 455 1018 6.80E-61 244.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000018440 6573 244.6 UdeM00000018440 XP_021372941.1 32.2 624
319 21 362 941 455 1018 6.90E-61 244.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000018442 6579 667.5 UdeM00000018442 XP_033764098.1 54.9 736
257 10 1 713 1 684 1.80E-188 667.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000018443 375764 296.6 UdeM00000018443 XP_029998171.1 62.3
215 77 1 63 277 90 300 3.30E-77 296.6 375764
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorpha; Euacanthomorpha; Percomorphaceae; Gobiaria; Kurtiformes; Apogonoidi; Apogonidae; Apogoninae; Sphaeramia; Sphaeramia orbicularis

UdeM00000018444 1735272 401 UdeM00000018444 XP_041378410.1 51.8
336 162 0 8 343 10 345 1.50E-108 401 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopiridae; Gigantopelta; Gigantopelta aegis

UdeM00000018445 29159 82.8 UdeM00000018445 XP_011444985.1 90.2 41
4 0 38 78 1 41 2.10E-13 82.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000018446 6565 282.7 UdeM00000018446 XP_022344811.1 69.3 199
 55 1 6 204 42 234 3.70E-73 282.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018448 6596 506.5 UdeM00000018448 XP_045162872.1 73.5 317
 83 1 7 322 6 322 2.50E-140 506.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018449 7574 347.8 UdeM00000018449 XP_023930428.1 36.5 512
 304 11 54 547 74 582 2.50E-92 347.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000018450 1735272 228 UdeM00000018450 XP_041378357.1 41.3
 283 161 3 184 462 85 366 2.40E-56 228 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018451 400727 154.5 UdeM00000018451 XP_025083280.1 52.5
 183 77 5 1 175 11 191 3.20E-34 154.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000018452 6565 147.5 UdeM00000018452 XP_022335999.1 28.4 440
 270 12 3 426 7 417 3.80E-32 147.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018453 6565 146.7 UdeM00000018453 XP_022335999.1 28.3 441
 270 12 3 427 7 417 6.50E-32 146.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018454 37653 165.2 UdeM00000018454 XP_014772623.1 64.5 124
 43 1 1 124 1 123 1.80E-37 165.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000018455 6579 96.3 UdeM00000018455 XP_033763945.1 36 211
 117 3 4 197 3 212 7.50E-17 96.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018456 6596 301.2 UdeM00000018456 XP_045156225.1 42 386
 202 8 27 408 12 379 2.30E-78 301.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018457 6565 360.1 UdeM00000018457 XP_022316307.1 38.4 570
 320 10 1 550 5 563 6.60E-96 360.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018461 6596 99 UdeM00000018461 XP_045209449.1 29.9 318
 201 12 200 501 240 551 1.80E-17 99 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018462 7574 85.1 UdeM00000018462 XP_013380319.1 52.8 72
 34 0 9 80 17 88 1.40E-13 85.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000018463 6596 304.7 UdeM00000018463 XP_045156225.1 42.9 382
 189 11 29 404 21 379 2.10E-79 304.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018464 6579 139 UdeM00000018464 XP_033741736.1 61.5 104
 40 0 139 242 562 665 7.70E-30 139 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018465 1735272 308.9 UdeM00000018465 XP_041377509.1 63.8
 229 82 1 1 229 1 228 5.40E-81 308.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018466 6579 180.6 UdeM00000018466 XP_033764386.1 61.8 123
 46 1 2 124 11 132 1.50E-42 180.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018467 6596 224.2 UdeM00000018467 XP_045163299.1 37.6 362
 130 4 57 336 641 988 3.20E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018468 6596 656.4 UdeM00000018468 XP_045183751.1 56.8 519
 222 2 1 518 23 540 3.10E-185 656.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018469 6596 1082.4 UdeM00000018469 XP_045163299.1 52.2
 1004 467 10 3 1003 4 997 0.00E+00 1082.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018470 6596 406 UdeM00000018470 XP_045163299.1 55.7 318
138 1 1 318 4 318 2.30E-109 406 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018470 6596 334.3 UdeM00000018470 XP_045163299.1 52.2 312
145 2 1354 1665 315 622 8.60E-88 334.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018471 7739 592.4 UdeM00000018471 XP_035696678.1 57.8 481
200 1 2 479 423 903 5.40E-166 592.4 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000018472 6596 433.3 UdeM00000018472 XP_045163299.1 59.8 361
142 3 1 360 639 997 3.00E-118 433.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018473 6579 155.6 UdeM00000018473 XP_033731446.1 53 151
65 2 1 151 1 145 5.10E-35 155.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018474 6565 827 UdeM00000018474 XP_022343934.1 83.8 468
76 0 1 468 16 483 1.20E-236 827 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018475 6596 282 UdeM00000018475 XP_045162026.1 44.2 391
158 9 8 357 219 590 1.80E-72 282 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018476 6500 657.5 UdeM00000018476 XP_012946059.1 72.9 424
107 2 48 471 622 1037 1.30E-185 657.5 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000018477 6596 64.7 UdeM00000018477 XP_045162867.1 36.4 99
40 3 89 165 223 320 1.30E-07 64.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018478 6573 728 UdeM00000018478 XP_021354853.1 48.1 755
 372 6 212 959 147 888 1.50E-206 728 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018479 6573 728 UdeM00000018479 XP_021354853.1 48.1 755
 372 6 212 959 147 888 1.50E-206 728 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018480 6596 84.7 UdeM00000018480 XP_045192251.1 52.2 92
 41 2 141 229 328 419 1.60E-13 84.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018481 1735272 423.7 UdeM00000018481 XP_041363356.1 34.6
 784 480 18 9 777 1140 1905 5.00E-115 423.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018482 1735272 925.6 UdeM00000018482 XP_041363356.1 38.4
 1445 828 31 9 1424 1140 2551 7.60E-266 925.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018483 1735272 923.7 UdeM00000018483 XP_041363356.1 38.3
 1439 832 30 9 1418 1140 2551 2.90E-265 923.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043707 77166 68.6 UdeM00000043707 XP_019769193.1 46.6 73
 31 1 2 74 190 254 4.90E-09 68.6 77166 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Curculionoidea;Curculionidae;Scolytinae;Dendroctonus;Dendroctonu
 s ponderosae
 UdeM00000043708 37621 142.9 UdeM00000043708 XP_014679100.1 37.9 232
 130 8 768 994 78 300 2.20E-30 142.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000039565 6596 266.2 UdeM00000039565 XP_045187150.1 56.5 230
 99 1 1 230 229 457 4.00E-68 266.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039566 6596 190.3 UdeM00000039566 XP_045169782.1 41.8 225
 110 2 1 204 56 280 2.60E-45 190.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039567 50390 474.2 UdeM00000039567 XP_028147518.1 59.4 345
139 1 2 346 43 386 1.60E-130 474.2 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000039569 6596 191 UdeM00000039569 XP_045177776.1 43.3 217
122 1 182 397 700 916 2.90E-45 191 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039570 6573 115.9 UdeM00000039570 XP_021371412.1 51.5 97
46 1 2 98 1012 1107 3.50E-23 115.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039571 6565 126.3 UdeM00000039571 XP_022297447.1 39.3 183
55 2 40 166 38 220 5.50E-26 126.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039572 283035 254.6 UdeM00000039572 XP_031171570.1 62.6
179 67 0 2 180 369 547 1.00E-64 254.6 283035
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Percoidi;Percidae;Luciopercinae;Sander;Sander lucioperca

UdeM00000039573 50390 394.8 UdeM00000039573 XP_028142044.1 58.3 276
115 0 1 276 148 423 8.90E-107 394.8 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000039574 1735272 179.1 UdeM00000039574 XP_041347065.1 45.1
206 82 2 1 175 1 206 5.00E-42 179.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039575 7739 101.3 UdeM00000039575 XP_035690387.1 35.6 146
93 1 3 147 443 588 1.10E-18 101.3 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000039576 1735272 148.3 UdeM00000039576 XP_041373834.1 70.5
95 28 0 2 96 325 419 7.10E-33 148.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039579 6565 343.6 UdeM00000039579 XP_022309566.1 62.2 233
88 0 1 233 729 961 2.00E-91 343.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039580 433405 129 UdeM00000039580 XP_031697755.1 66.7
81 27 0 2 82 130 210 2.70E-27 129 433405

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioidi;Zoarcales;Anarhichadidae;Anarrhichthys;Anarrhichthys ocellatus

UdeM00000039581 50390 206.8 UdeM00000039581 XP_028153657.1 69.5 128
39 0 2 129 34 161 1.60E-50 206.8 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera

virgifera
UdeM00000039582 40690 86.3 UdeM00000039582 XP_033989749.1 70.4 54
16 0 1 54 839 892 1.70E-14 86.3 40690 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothenioidi;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000039583 441366 198 UdeM00000039583 XP_028318794.1 59.5
148 60 0 1 148 538 685 8.70E-48 198 441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidi;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000039584 8218 387.9 UdeM00000039584 XP_034089596.1 57.4 291
124 0 1 291 451 741 1.20E-104 387.9 8218 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidi;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Notothenioidae;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps

UdeM00000039585 6573 258.5 UdeM00000039585 XP_021371412.1 36 406
220 8 189 557 1118 1520 2.30E-65 258.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039586 6573 117.9 UdeM00000039586 XP_021371412.1 52.6 97
45 1 2 98 1012 1107 9.10E-24 117.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039587 441366 439.1 UdeM00000039587 XP_028309531.1 64.8
307 108 0 155 461 230 536 6.90E-120 439.1 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000039588 441366 206.5 UdeM00000039588 XP_028309546.1 62.8
148 55 0 1 148 271 418 2.40E-50 206.5 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000039589 1735272 179.1 UdeM00000039589 XP_041347065.1 45.1
206 82 2 1 175 1 206 5.00E-42 179.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039590 7739 100.5 UdeM00000039590 XP_035690387.1 35.6 146
93 1 3 147 443 588 1.90E-18 100.5 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000039592 7668 77.8 UdeM00000039592 XP_030841875.1 51.6 64
30 1 3 66 71 133 8.70E-12 77.8 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000039593 150288 268.1 UdeM00000039593 XP_020788097.1 61.5
179 69 0 1 179 393 571 8.20E-69 268.1 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000039594 50390 532.7 UdeM00000039594 XP_028148951.1 56.8 410
 177 0 2 411 400 809 4.10E-148 532.7 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000039595 29159 209.1 UdeM00000039595 XP_034313077.1 77.3 119
 27 0 1 119 1 119 4.50E-51 209.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039596 29159 60.1 UdeM00000039596 XP_034319277.1 44.2 77
 38 1 1 72 42 118 1.70E-06 60.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039597 6565 123.2 UdeM00000039597 XP_022306621.1 76.1 71
 17 0 1 71 1 71 1.30E-25 123.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039598 50390 562.8 UdeM00000039598 XP_028142380.1 59 388
 159 0 2 389 49 436 3.50E-157 562.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000039599 1735272 410.2 UdeM00000039599 XP_041372570.1 57.8
 313 131 1 1 312 94 406 2.30E-111 410.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039600 50390 506.1 UdeM00000039600 XP_028154228.1 59.6 354
 143 0 2 355 116 469 3.50E-140 506.1 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000039602 1735272 152.1 UdeM00000039602 XP_041366822.1 39.2
 232 134 3 354 579 3 233 4.10E-33 152.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039603 441366 755 UdeM00000039603 XP_028318215.1 60.1
569 225 2 12 579 130 697 7.20E-215 755 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania

willdenowi

UdeM00000039604 6087 271.9 UdeM00000039604 XP_012565456.1 49.6 272
123 6 474 742 756 1016 2.40E-69 271.9 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000039605 441366 115.5 UdeM00000039605 XP_028309561.1 70.6
68 20 0 1 68 204 271 2.60E-23 115.5 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania

willdenowi

UdeM00000039699 6565 178.7 UdeM00000039699 XP_022313739.1 68.1 141
39 2 2 138 186 324 5.00E-42 178.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039700 400727 129.8 UdeM00000039700 XP_025111532.1 74.7
91 21 2 24 114 27 115 2.20E-27 129.8 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039701 6596 372.1 UdeM00000039701 XP_045158706.1 64 289
97 4 1 282 157 445 6.30E-100 372.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039702 6596 562.4 UdeM00000039702 XP_045158704.1 42 869
263 19 1 861 1 636 1.00E-156 562.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039703 6596 396.4 UdeM00000039703 XP_045190165.1 59.9 297
119 0 1 297 37 333 3.30E-107 396.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039704 2607531 129 UdeM00000039704 XP_029649998.1 26.9
334 230 6 11 332 640 971 1.10E-26 129 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000039705 6596 82.4 UdeM00000039705 XP_045166906.1 48.8 84
36 2 39 115 87 170 6.10E-13 82.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039706 2607531 155.6 UdeM00000039706 XP_029649998.1 27.3
392 270 7 5 384 583 971 1.30E-34 155.6 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000039707 2607531 1171.8 UdeM00000039707 XP_029641601.1
49.9 1153 473 18 1 1100 217 1317 0.00E+00 1171.8
2607531 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000039708 6596 2467.6 UdeM00000039708 XP_045159464.1 60.5
2064 806 7 39 2098 82 2139 0.00E+00 2467.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039709 6596 77 UdeM00000039709 XP_045159464.1 56.5 69
29 1 10 77 13 81 1.80E-11 77 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039710 6596 337.4 UdeM00000039710 XP_045160600.1 85.6 188
26 1 1 188 1 187 1.20E-89 337.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039711 1735272 231.1 UdeM00000039711 XP_041359385.1 42.7
281 155 5 1 278 1 278 1.70E-57 231.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039712 6596 252.7 UdeM00000039712 XP_045178931.1 61.6 211
76 2 1 208 31 239 4.10E-64 252.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039713 6596 1184.9 UdeM00000039713 XP_045160998.1 53.8
1328 495 30 1 1241 1 1297 0.00E+00 1184.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039715 29159 119.4 UdeM00000039715 XP_034331441.1 40.2 169
98 3 1 169 1 166 5.70E-24 119.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039714 6596 132.9 UdeM00000039714 XP_045171063.1 36.2 210
123 6 2 208 41 242 5.60E-28 132.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039716 6596 2681.7 UdeM00000039716 XP_045158836.1 58.8
2162 855 24 3 2145 650 2794 0.00E+00 2681.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039717 6596 658.3 UdeM00000039717 XP_045158837.1 60.9 489
189 2 80 567 107 594 8.90E-186 658.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039719 6596 627.9 UdeM00000039719 XP_045158838.1 50.8 729
311 13 1 718 1 692 1.60E-176 627.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039720 6596 2183.3 UdeM00000039720 XP_045158016.1 59.2
1743 691 5 7 1732 4 1743 0.00E+00 2183.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039721 6596 324.7 UdeM00000039721 XP_045157354.1 40.3 407
220 8 8 409 17 405 1.70E-85 324.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039722 6596 317.4 UdeM00000039722 XP_045157354.1 42.3 378
 207 6 61 432 33 405 2.90E-83 317.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039725 7574 213.8 UdeM00000039725 XP_013396983.1 50 204
 101 1 446 649 305 507 7.60E-52 213.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000039726 7574 90.5 UdeM00000039726 XP_013396983.1 44.1 93
 52 0 52 144 306 398 1.90E-15 90.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000039727 6596 483.4 UdeM00000039727 XP_045157463.1 62.3 353
 132 1 16 368 564 915 2.60E-133 483.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039728 50390 166.4 UdeM00000039728 XP_028127913.1 43.7 190
 106 1 1 190 1 189 3.60E-38 166.4 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000039729 7725 146.4 UdeM00000039729 XP_039263221.1 62.5 112
 42 0 48 159 9 120 3.90E-32 146.4 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
 clava
 UdeM00000039730 6596 903.7 UdeM00000039730 XP_045157463.1 76.2 564
 133 1 3 566 2 564 1.20E-259 903.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039731 1735272 858.2 UdeM00000039731 XP_041357355.1 43.2
 1666 708 21 1 1616 1 1478 1.70E-245 858.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039733 29159 103.6 UdeM00000039733 XP_034316161.1 47.2 106
 56 0 2 107 904 1009 6.70E-19 103.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007777 27675 268.1 UdeM00000007777 XP_037691920.1 61.9 197
 69 1 1 197 1533 1723 1.00E-68 268.1 27675 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Xenarthra;Pilosa;Folivora;Megalonychidae;Choloepus;Choloepus didactylus
UdeM00000007778 6579 612.1 UdeM00000007778 XP_033761031.1 55.8 486
209 3 1 480 186 671 6.20E-172 612.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007779 6526 67 UdeM00000007779 XP_013063861.1 31.1 132
78 4 30 150 40 169 2.40E-08 67 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000007780 55291 211.5 UdeM00000007780 XP_039612684.1 38.2 338
204 4 226 562 351 684 2.80E-51 211.5 55291 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Cladistia;Polypteriformes;Polypteridae;Polypterus;Polypterus
senegalus
UdeM00000007781 6596 818.9 UdeM00000007781 XP_045201306.1 38.2 1169
626 15 6 1081 14 1178 7.60E-234 818.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007782 6596 896.7 UdeM00000007782 XP_045201306.1 40 1173
660 15 4 1138 12 1178 3.00E-257 896.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007783 6596 895.6 UdeM00000007783 XP_045201306.1 39.9 1149
649 12 20 1131 18 1162 6.60E-257 895.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007784 6596 926 UdeM00000007784 XP_045201306.1 41.1 1174
650 12 1 1138 10 1178 4.60E-266 926 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007785 6596 863.6 UdeM00000007785 XP_045201306.1 38.4 1160
671 15 6 1129 10 1162 2.80E-247 863.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007786 6596 853.2 UdeM00000007786 XP_045201306.1 39.5 1097
623 14 1 1063 73 1162 3.60E-244 853.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000007787 6596 598.6 UdeM00000007787 XP_045201315.1 66.7 402
134 0 12 413 65 466 6.10E-168 598.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000007788 6596 64.3 UdeM00000007788 XP_045201315.1 45.6 68
37 0 68 135 1 68 2.70E-07 64.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000007790 6596 183 UdeM00000007790 XP_045199637.1 62 158
56 3 168 325 128 281 6.30E-43 183 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000007791 6565 155.2 UdeM00000007791 XP_022288562.1 64.9 111
39 0 2 112 10 120 8.10E-35 155.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000007793 6579 240 UdeM00000007793 XP_033731739.1 55.1 196
88 0 4 199 183 378 2.70E-60 240 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000007794 6579 217.6 UdeM00000007794 XP_033731739.1 54.8 177
80 0 1 177 202 378 1.30E-53 217.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000007795 7757 422.2 UdeM00000007795 XP_032835197.1 81 252
48 0 77 328 3 254 6.20E-115 422.2 7757 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Cyclostomata; Hyperoartia; Petromyzontiformes; Petromyzontidae; Petromyzon; Petromyzon marinus

UdeM00000007796 46514 146.4 UdeM00000007796 XP_038071378.1 44.8 163
82 2 5 164 219 376 3.30E-32 146.4 46514 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; Asterinidae; Patiria; Patiria miniata

UdeM00000007798 29159 138.7 UdeM00000007798 XP_034315421.1 55.1 147
59 3 26 167 330 474 7.10E-30 138.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000030219 6573 260.4 UdeM00000030219 XP_021355978.1 46 689
275 17 37 641 28 703 6.70E-66 260.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030220 6565 258.5 UdeM00000030220 XP_022288354.1 50.6 616
 235 12 92 685 34 602 2.60E-65 258.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030221 6565 80.5 UdeM00000030221 XP_022288370.1 56.9 65
 28 0 7 71 10 74 4.40E-12 80.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030222 29159 258.8 UdeM00000030222 XP_034329911.1 65.5 197
 47 1 3 178 1 197 4.90E-66 258.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030223 29159 69.3 UdeM00000030223 XP_034312908.1 36.1 119
 73 2 1 118 507 623 3.80E-09 69.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030226 29159 340.9 UdeM00000030226 XP_011433091.2 69.1 307
 89 3 3 309 6 306 1.70E-90 340.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030227 29159 340.5 UdeM00000030227 XP_011433091.2 68.8 308
 89 3 3 310 6 306 2.20E-90 340.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030228 6596 914.4 UdeM00000030228 XP_045189137.1 84.7 543
 81 1 1 541 1 543 6.60E-263 914.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030229 6579 770.8 UdeM00000030229 XP_033756553.1 72 583
 146 3 28 610 34 599 1.30E-219 770.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030230 6573 335.5 UdeM00000030230 XP_021359107.1 45.9 357
 184 4 7 358 259 611 8.70E-89 335.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030231 6573 335.9 UdeM00000030231 XP_021359107.1 45.9 357
 184 4 13 364 259 611 6.80E-89 335.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030232 29159 67.8 UdeM00000030232 XP_034329456.1 49.3 71
 31 1 82 152 451 516 1.50E-08 67.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030233 6596 184.5 UdeM00000030233 XP_045202545.1 49 202
 77 5 10 186 10 210 1.20E-43 184.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030234 29159 177.6 UdeM00000030234 XP_011443561.2 58.2 134
 55 1 32 164 48 181 1.30E-41 177.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030235 29159 453.8 UdeM00000030235 XP_011443560.2 54.3 396
 179 2 1 394 323 718 2.40E-124 453.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030236 6596 68.2 UdeM00000030236 XP_045188256.1 35 160
 83 5 3 160 122 262 1.20E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030237 1735272 202.2 UdeM00000030237 XP_041370633.1 49.1
 216 96 3 38 246 24 232 7.60E-49 202.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030238 6596 469.2 UdeM00000030238 XP_045188655.1 43.8 520
 275 10 12 524 75 584 7.50E-129 469.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030239 6596 510 UdeM00000030239 XP_045188656.1 42.3 608
 318 13 6 604 1 584 4.40E-141 510 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030242 29159 173.7 UdeM00000030242 XP_011454986.2 42.3 227
 115 7 4 220 9 229 3.00E-40 173.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030243 1735272 108.6 UdeM00000030243 XP_041368138.1 55.1
 89 40 0 18 106 11 99 5.30E-21 108.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000030244 50390 404.1 UdeM00000030244 XP_028154228.1 59.4 288
117 0 1 288 210 497 1.60E-109 404.1 50390 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucujiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; Diabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera virgifera

UdeM00000030246 6565 193.4 UdeM00000030246 XP_022341445.1 56.8 169
72 1 2 169 12 180 2.50E-46 193.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000030247 7574 143.7 UdeM00000030247 XP_013385162.1 59.3 123
47 1 1 123 49 168 1.70E-31 143.7 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000030248 6596 377.1 UdeM00000030248 XP_045189447.1 57.5 313
128 1 45 357 42 349 2.50E-101 377.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030250 6500 260 UdeM00000030250 XP_005089072.1 63.4 183
67 0 25 207 5 187 2.60E-66 260 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000030251 6573 323.9 UdeM00000030251 XP_021355540.1 56.7 330
136 2 1 326 1 327 2.30E-85 323.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000030252 6565 1086.2 UdeM00000030252 XP_022344060.1 87.7
624 77 0 1 624 1 624 0.00E+00 1086.2 6565
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000030253 6596 170.2 UdeM00000030253 XP_045188692.1 56.9 137
59 0 1 137 1 137 1.90E-39 170.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030254 6596 2118.2 UdeM00000030254 XP_045188703.1 63.7
1722 547 20 10 1667 139 1846 0.00E+00 2118.2 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030255	6596	2075.8		UdeM00000030255	XP_045188703.1	62.5	
	1722	529	20	10	1629	139	1846
						0.00E+00	2075.8
							6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030256	400727		186.4	UdeM00000030256	XP_025094436.1	32.9	
	830	519	6	1	823	8	806
						1.60E-43	186.4
							400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000030257	6596	170.2		UdeM00000030257	XP_045189280.1	40.8	201
	117	2	932	1131	355	554	1.50E-38
							170.2
							6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030258	6596	302		UdeM00000030258	XP_045190465.1	30.1	682
	414	16	85	708	36	712	2.00E-78
							302
							6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030259	6579	116.3		UdeM00000030259	XP_033757677.1	27.3	297
	146	6	1	296	26	253	2.00E-22
							116.3
							6579

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030261	6596	677.2		UdeM00000030261	XP_045190471.1	72.9	451
	118	2	1	450	49	496	1.50E-191
							677.2
							6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030260	6596	756.5		UdeM00000030260	XP_045190471.1	73.4	500
	128	3	1	499	1	496	2.10E-215
							756.5
							6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030262	29159	69.7		UdeM00000030262	XP_011428398.2	35.8	151
	71	4	4	128	3	153	3.30E-09
							69.7
							29159

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030263	6596	347.1		UdeM00000030263	XP_045190475.1	37.2	635
	350	10	4	605	3	621	2.00E-91
							347.1
							6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030263 6596 57.4 UdeM00000030263 XP_045190475.1 50 62
 30 1 1281 1341 1031 1092 3.10E-04 57.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030264 6596 347.1 UdeM00000030264 XP_045190475.1 38.1 611
 329 10 4 581 3 597 2.00E-91 347.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030264 6596 57.4 UdeM00000030264 XP_045190475.1 50 62
 30 1 1284 1344 1031 1092 3.10E-04 57.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030265 6596 271.2 UdeM00000030265 XP_045189369.1 67.7 189
 59 2 55 243 206 392 1.30E-69 271.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030266 6596 476.5 UdeM00000030266 XP_045210095.1 67.8 323
 103 1 1 323 1 322 2.80E-131 476.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030267 6596 474.9 UdeM00000030267 XP_045210096.1 68.1 317
 100 1 1 317 1 316 8.10E-131 474.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030268 6596 475.3 UdeM00000030268 XP_045210095.1 67.8 323
 103 1 1 323 1 322 6.20E-131 475.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030269 6596 475.3 UdeM00000030269 XP_045210095.1 67.8 323
 103 1 1 323 1 322 6.20E-131 475.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030270 6596 224.6 UdeM00000030270 XP_045210096.1 67.8 143
 45 1 1 143 1 142 8.30E-56 224.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030271 6596 178.7 UdeM00000030271 XP_045210095.1 65.3 124
43 0 1 124 199 322 4.70E-42 178.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030272 6596 367.1 UdeM00000030272 XP_045161160.1 56.6 316
131 2 10 319 5 320 2.30E-98 367.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030273 6565 287 UdeM00000030273 XP_022287869.1 68.8 202
62 1 1 202 1 201 1.90E-74 287 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000030274 6596 596.3 UdeM00000030274 XP_045188749.1 56.6 578
202 10 1 565 1 542 4.10E-167 596.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030275 6596 647.9 UdeM00000030275 XP_045205514.1 54.5 596
247 4 6 577 7 602 1.30E-182 647.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030276 6596 122.1 UdeM00000030276 XP_045190046.1 36 516
318 7 1 507 1 513 2.30E-24 122.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030278 6596 89 UdeM00000030278 XP_045189931.1 50 112
41 5 1 105 1 104 5.00E-15 89 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030279 37003 235.3 UdeM00000030279 XP_024858049.1 39 344
200 4 1 341 254 590 1.10E-58 235.3 37003 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypselodontiformes;Aplocheiloidei;Rivulidae;Kryptolebias;Kryptolebias marmoratus

UdeM00000030280 2607531 104.8 UdeM00000030280 XP_029657406.1 60
90 36 0 1 90 1 90 6.40E-20 104.8 2607531

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000030281 27687 64.3 UdeM00000030281 XP_028656852.1 35 103
64 3 4 104 316 417 1.00E-07 64.3 27687 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
thys calabaricus
UdeM00000030282 6579 314.3 UdeM00000030282 XP_033755996.1 59.9 449
164 7 29 470 157 596 2.60E-82 314.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000030283 6579 520.4 UdeM00000030283 XP_033755943.1 51.3 573
214 15 8 563 105 629 2.90E-144 520.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000030284 52670 73.2 UdeM00000030284 XP_013880698.1 66 53
18 0 1 53 169 221 1.50E-10 73.2 52670 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus
limnaeus
UdeM00000030285 6596 122.9 UdeM00000030285 XP_045190090.1 72 93
26 0 13 105 7 99 2.60E-25 122.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030286 6596 147.1 UdeM00000030286 XP_045190092.1 42 224
110 5 11 221 13 229 2.70E-32 147.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030287 400727 292.4 UdeM00000030287 XP_025108466.1 36.7
532 229 11 1 439 26 542 1.00E-75 292.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000030289 6596 392.1 UdeM00000030289 XP_045190691.1 35.8 967
465 32 8 922 93 955 1.90E-105 392.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030291 6596 134.4 UdeM00000030291 XP_045190689.1 71.1 83
 24 0 8 90 10 92 8.10E-29 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030290 6596 142.9 UdeM00000030290 XP_045190689.1 69.6 92
 28 0 1 92 1 92 2.30E-31 142.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030292 6596 625.9 UdeM00000030292 XP_045190692.1 52.2 602
 274 5 22 618 7 599 5.30E-176 625.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030293 6579 828.6 UdeM00000030293 XP_033756536.1 82.8 512
 77 7 30 534 52 559 5.00E-237 828.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030294 6596 254.6 UdeM00000030294 XP_045204261.1 44.4 275
 143 6 59 329 39 307 1.70E-64 254.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030295 6596 254.6 UdeM00000030295 XP_045204261.1 44.4 275
 143 6 101 371 39 307 2.00E-64 254.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030296 6596 454.9 UdeM00000030296 XP_045214696.1 37.6 724
 423 14 1 718 397 1097 1.90E-124 454.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030297 6596 415.6 UdeM00000030297 XP_045190542.1 28.5 1054
 676 22 1001 1998 10 1041 3.50E-112 415.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030298 6596 407.9 UdeM00000030298 XP_045214696.1 37 629
 378 9 1559 2179 479 1097 8.00E-110 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030299 1735272 300.4 UdeM00000030299 XP_041362825.1 54
 263 112 3 1 258 411 669 2.10E-78 300.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030301 400727 358.2 UdeM00000030301 XP_025109728.1 48.4
 376 183 4 26 396 302 671 1.30E-95 358.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000030302 400727 363.6 UdeM00000030302 XP_025109728.1 48.9
 376 181 4 26 396 302 671 3.20E-97 363.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000030303 400727 364.8 UdeM00000030303 XP_025109728.1 48.9
 376 181 4 26 396 302 671 1.40E-97 364.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000030304 6596 382.1 UdeM00000030304 XP_045190283.1 67.5 271
 84 2 2 272 83 349 5.90E-103 382.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030305 6565 950.7 UdeM00000030305 XP_022338775.1 83.2 572
 96 0 1 572 1 572 2.00E-273 950.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030306 6596 538.1 UdeM00000030306 XP_045189350.1 61.8 450
 158 4 1 445 3 443 1.10E-149 538.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030307 6596 1192.2 UdeM00000030307 XP_045190717.1 36
 2529 1133 56 12 2247 272 2608 0.00E+00 1192.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030308 29159 175.3 UdeM00000030308 XP_034312908.1 26.1 651
 314 19 5 523 6 621 2.10E-40 175.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030310 29159 175.3 UdeM00000030310 XP_034312908.1 26.1 651
 314 19 5 523 6 621 2.10E-40 175.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030312 29159 175.3 UdeM00000030312 XP_034312908.1 26.1 651
 314 19 5 523 6 621 2.10E-40 175.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030313 6596 294.7 UdeM00000030313 XP_045190717.1 54.1 266
 119 2 4 266 1 266 1.20E-76 294.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030314 1735272 361.3 UdeM00000030314 XP_041368919.1 88.4
 199 23 0 1 199 1 199 1.20E-96 361.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030315 6573 230.3 UdeM00000030315 XP_021357529.1 57.8 232
 85 8 17 245 9 230 3.10E-57 230.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030316 6596 463.4 UdeM00000030316 XP_045190174.1 46.3 609
 313 7 8 614 9 605 5.00E-127 463.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030317 6596 140.6 UdeM00000030317 XP_045167895.1 45.7 140
 71 4 14 152 15 150 1.80E-30 140.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030318 6596 142.5 UdeM00000030318 XP_045182689.1 43.3 157
 77 5 8 156 6 158 4.70E-31 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030321 37653 543.1 UdeM00000030321 XP_014768723.1 68.4 408
 91 7 2 404 16 390 3.10E-151 543.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000030324 6596 325.5 UdeM00000030324 XP_045188999.1 64.7 221
 78 0 1 221 1 221 5.30E-86 325.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030325 6579 166 UdeM00000030325 XP_033756925.1 43.6 227
 105 3 24 235 8 226 5.70E-38 166 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030326 6579 364.8 UdeM00000030326 XP_033756925.1 31.2 1025
 488 31 51 1040 226 1068 3.70E-97 364.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030327 6596 442.6 UdeM00000030327 XP_045190405.1 61.7 337
 127 1 9 343 15 351 4.60E-121 442.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030328 6565 297.4 UdeM00000030328 XP_022290679.1 63.3 240
 68 1 1 240 1 220 1.70E-77 297.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030329 1735272 288.1 UdeM00000030329 XP_041368933.1 46.9
 335 159 4 6 335 1 321 1.40E-74 288.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000030330 6596 1997.6 UdeM00000030330 XP_045190412.1 84.3
 1180 154 5 1 1175 1 1154 0.00E+00 1997.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030331 6596 3699.4 UdeM00000030331 XP_045190175.1 87.4
 2151 263 5 1 2145 1 2148 0.00E+00 3699.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030332 6596 1048.5 UdeM00000030332 XP_045188584.1 78.2
 684 146 1 9 689 5 688 3.70E-303 1048.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030333 6579 364.8 UdeM00000030333 XP_033757623.1 82.6 207
 35 1 1 206 1 207 7.40E-98 364.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030334 1735272 562.8 UdeM00000030334 XP_041369220.1 51.6
543 241 7 4 544 18 540 4.90E-157 562.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030335 6596 904 UdeM00000030335 XP_045190176.1 40.6 1239
645 26 1 1203 5 1188 2.00E-259 904 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030338 6565 133.3 UdeM00000030338 XP_022297409.1 39.3 178
101 4 1 174 82 256 3.10E-28 133.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000030340 29159 115.9 UdeM00000030340 XP_034339171.1 24.9 418
214 14 1 321 159 573 9.50E-23 115.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030342 29159 592.4 UdeM00000030342 XP_034305523.1 51.2 557
248 3 53 587 443 997 6.60E-166 592.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030345 29159 253.8 UdeM00000030345 XP_034327197.1 26 1175
705 41 5 1096 3 1095 1.10E-63 253.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030346 6579 548.5 UdeM00000030346 XP_033757728.1 53.9 575
217 11 9 558 1 552 9.90E-153 548.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030348 6596 232.3 UdeM00000030348 XP_045188168.1 69.9 163
47 1 5 165 4 166 4.60E-58 232.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030347 6596 771.2 UdeM00000030347 XP_045188168.1 64.1 622
214 4 5 619 4 623 1.10E-219 771.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030349 1735272 293.5 UdeM00000030349 XP_041370963.1 56
252 102 3 21 266 11 259 2.70E-76 293.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000030350 6565 138.3 UdeM00000030350 XP_022341002.1 61.9 113
42 1 2 114 648 759 9.40E-30 138.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000030351 6565 274.2 UdeM00000030351 XP_022341004.1 68.4 187
56 2 40 226 22 205 1.60E-70 274.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000030352 6565 274.2 UdeM00000030352 XP_022341004.1 68.4 187
56 2 24 210 22 205 1.50E-70 274.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000030353 6596 496.9 UdeM00000030353 XP_045190400.1 71.5 323
92 0 5 327 2 324 2.10E-137 496.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028572 6579 300.1 UdeM00000028572 XP_033727094.1 44.6 350
183 4 15 359 433 776 3.90E-78 300.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028573 400727 243.4 UdeM00000028573 XP_025089898.1 48.8
252 116 2 1 245 594 839 3.00E-61 243.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000028576 6596 132.1 UdeM00000028576 XP_045180626.1 28.5 312
192 5 47 352 94 380 1.40E-27 132.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028575 6596 131.7 UdeM00000028575 XP_045180626.1 28.5 312
192 5 47 352 94 380 2.00E-27 131.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028577 1735272 117.5 UdeM00000028577 XP_041361359.1 39.7
156 79 4 1 141 649 804 1.40E-23 117.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028578 6596 764.2 UdeM00000028578 XP_045181034.1 81.5 466
 84 2 47 511 17 481 1.00E-217 764.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028581 6596 138.3 UdeM00000028581 XP_045177695.1 38.1 197
 95 1 63 259 178 347 1.50E-29 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028582 6565 99.8 UdeM00000028582 XP_022299602.1 48.8 86
 43 1 4 89 47 131 2.60E-18 99.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028583 6579 125.2 UdeM00000028583 XP_033740904.1 47.7 128
 63 2 60 184 2 128 9.00E-26 125.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028584 6579 125.2 UdeM00000028584 XP_033740904.1 47.7 128
 63 2 62 186 2 128 9.00E-26 125.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028586 151771 353.6 UdeM00000028586 XP_028419301.1 51.8
 332 139 3 2 320 156 479 2.70E-94 353.6 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000028587 45264 60.1 UdeM00000028587 XP_044164583.1 34.8 115
 37 3 68 148 161 271 2.80E-06 60.1 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000028588 6596 171.8 UdeM00000028588 XP_045177779.1 40.6 278
 146 8 9 281 90 353 1.50E-39 171.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028590 6596 375.9 UdeM00000028590 XP_045180813.1 51.3 421
 160 10 2 390 7 414 9.30E-101 375.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028591 6596 374.8 UdeM00000028591 XP_045180813.1 51.5 421
 158 11 2 389 7 414 2.10E-100 374.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028592 6573 349 UdeM00000028592 XP_021377504.1 35.9 640
336 16 4 633 8 583 1.30E-92 349 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028593 50390 446.4 UdeM00000028593 XP_028142380.1 49.6 357
180 0 1 357 85 441 3.30E-122 446.4 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000028594 6596 71.2 UdeM00000028594 XP_045182492.1 65.4 52
18 0 83 134 91 142 1.30E-09 71.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028596 6579 646.7 UdeM00000028596 XP_033727650.1 69.1 521
125 21 1 502 1 504 2.40E-182 646.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028595 6579 645.6 UdeM00000028595 XP_033727650.1 69.1 521
125 21 1 502 1 504 5.40E-182 645.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028597 1735272 221.1 UdeM00000028597 XP_041361339.1 69.4
147 44 1 1 146 1 147 9.40E-55 221.1 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028598 1735272 591.3 UdeM00000028598 XP_041361664.1 68.8
525 134 8 1 515 1 505 1.20E-165 591.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028599 10224 291.2 UdeM00000028599 XP_006820181.1 44.1 354
190 3 16 362 218 570 1.90E-75 291.2 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000028600 1735272 104 UdeM00000028600 XP_041347065.1 64
75 27 0 1 75 1 75 8.90E-20 104 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028601 6596 111.7 UdeM00000028601 XP_045177695.1 41 144
 72 1 105 248 226 356 1.40E-21 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028602 6579 77.4 UdeM00000028602 XP_033729399.1 34.2 155
 91 5 2 155 13 157 2.10E-11 77.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028603 10224 304.3 UdeM00000028603 XP_006820181.1 43.4 369
 201 3 14 375 218 585 2.20E-79 304.3 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000028605 74940 66.2 UdeM00000028605 XP_042173814.1 31.2 125
 75 5 208 332 206 319 9.10E-08 66.2 74940 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salm
 oninae;Oncorhynchus;Oncorhynchus tshawytscha

UdeM00000028606 46514 86.7 UdeM00000028606 XP_038064778.1 44.1 102
 52 2 1 102 673 769 2.30E-14 86.7 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000028607 1735272 412.9 UdeM00000028607 XP_041361664.1 76.4
 271 62 1 1 271 237 505 3.10E-112 412.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028608 2652724 100.5 UdeM00000028608 XP_020914302.1 34.6
 188 121 2 156 342 7 193 1.10E-17 100.5 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000028609 29159 65.5 UdeM00000028609 XP_034315424.1 36.1 108
 60 3 57 161 213 314 1.10E-07 65.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028611 6565 99.8 UdeM00000028611 XP_022311947.1 43.9 107
 58 2 10 115 815 920 2.50E-18 99.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028612 46514 100.9 UdeM00000028612 XP_038062907.1 33.3 168
 104 4 133 294 321 486 2.80E-18 100.9 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000028614 7574 105.5 UdeM00000028614 XP_013382110.1 37.3 153
 93 2 18 167 47 199 6.60E-20 105.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000028615 2652724 105.9 UdeM00000028615 XP_020914302.1 35.9
 192 119 3 5 193 11 201 2.20E-19 105.9 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000028617 6596 187.6 UdeM00000028617 XP_045177779.1 36.6 355
 189 10 9 357 90 414 3.90E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028616 6596 187.6 UdeM00000028616 XP_045177779.1 36.6 355
 189 10 9 357 90 414 7.60E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028618 6596 177.6 UdeM00000028618 XP_045179269.1 41.8 225
 118 1 725 949 247 458 7.70E-41 177.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028619 6105 102.4 UdeM00000028619 XP_031567569.1 36.1 158
 89 5 165 318 8 157 1.20E-18 102.4 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000028620 6105 102.4 UdeM00000028620 XP_031567569.1 36.1 158
 89 5 18 171 8 157 6.70E-19 102.4 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000028621 6573 126.7 UdeM00000028621 XP_021365717.1 29.1 330
 194 13 54 369 44 347 8.50E-26 126.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028624 6573 95.9 UdeM00000028624 XP_021365717.1 32.8 174
 104 6 116 285 127 291 1.10E-16 95.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028622 6573 113.2 UdeM00000028622 XP_021365717.1 30.1 259
 142 10 116 352 127 368 7.70E-22 113.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028623 6596 84.3 UdeM00000028623 XP_045198771.1 27.6 257
 161 11 89 328 3154 3402 3.70E-13 84.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028626 46514 117.9 UdeM00000028626 XP_038057856.1 26.9 432
270 18 144 550 523 933 4.50E-23 117.9 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000028627 46514 128.3 UdeM00000028627 XP_038057855.1 27.3 414
264 15 152 548 645 1038 3.40E-26 128.3 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000028629 29159 397.9 UdeM00000028629 XP_034332220.1 59.3 317
121 3 3 315 4 316 1.20E-107 397.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028631 6573 141 UdeM00000028631 XP_021372357.1 40.8 157
93 0 141 297 140 296 3.60E-30 141 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028632 6596 161 UdeM00000028632 XP_045180452.1 37.9 406
196 17 35 417 2 374 3.30E-36 161 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028633 6596 404.8 UdeM00000028633 XP_045182948.1 62.4 503
145 3 4 462 12 514 1.50E-109 404.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028634 29159 61.6 UdeM00000028634 XP_019917936.2 41.7 72
37 3 27 95 246 315 6.30E-07 61.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028635 6596 72.4 UdeM00000028635 XP_045206350.1 31.1 122
76 4 134 248 186 306 1.30E-09 72.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028636 1735272 73.6 UdeM00000028636 XP_041352358.1 24.3
304 163 12 55 350 56 300 8.20E-10 73.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028638 225164 73.6 UdeM00000028638 XP_009057862.1 25.3
170 123 3 259 426 30 197 7.50E-10 73.6 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000028639 29159 344 UdeM00000028639 XP_011448276.2 55.6 295
130 1 7 300 13 307 2.00E-91 344 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028640 1735272 213.4 UdeM00000028640 XP_041360851.1 56.6
212 88 2 1 212 1 208 3.20E-52 213.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000028641 7574 394.8 UdeM00000028641 XP_013418752.1 84.2 228
36 0 178 405 206 433 1.30E-106 394.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000028644 77115 369.4 UdeM00000028644 XP_038133904.1 62.3 273
101 1 9 281 11 281 4.10E-99 369.4 77115 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinod
ontini;Cyprinodon;Cyprinodon tularosa
UdeM00000028645 30732 188.3 UdeM00000028645 XP_024118320.1 44.7 208
113 2 14 221 409 614 1.00E-44 188.3 30732 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
melastigma
UdeM00000028647 77115 139.4 UdeM00000028647 XP_038136846.1 46.5 172
71 4 6 174 8 161 4.30E-30 139.4 77115 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinod
ontini;Cyprinodon;Cyprinodon tularosa
UdeM00000028653 6573 602.1 UdeM00000028653 XP_021343425.1 54.3 543
240 4 1 540 1 538 7.20E-169 602.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000028654 6596 66.2 UdeM00000028654 XP_045180239.1 57.6 59
24 1 306 363 39 97 3.90E-07 66.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028654 6596 61.6 UdeM00000028654 XP_045180239.1 77.1 35
8 0 9 43 4 38 9.70E-06 61.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028655 6596 66.2 UdeM00000028655 XP_045180239.1 57.6 59
24 1 306 363 39 97 3.90E-07 66.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028655 6596 61.6 UdeM00000028655 XP_045180239.1 77.1 35
8 0 9 43 4 38 9.70E-06 61.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028657 6105 280 UdeM00000028657 XP_031570315.1 69.3 176
54 0 1 176 1 176 2.10E-72 280 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000028658 6579 91.7 UdeM00000028658 XP_033731337.1 32.9 155
99 3 22 176 174 323 1.20E-15 91.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028659 6573 89.4 UdeM00000028659 XP_021371412.1 36.4 129
77 3 22 149 1358 1482 1.00E-14 89.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028660 6596 212.2 UdeM00000028660 XP_045189084.1 38.2 296
131 2 302 597 1550 1793 1.90E-51 212.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028661 6596 94.7 UdeM00000028661 XP_045171351.1 60.8 74
29 0 1 74 248 321 7.00E-17 94.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028662 6596 61.6 UdeM00000028662 XP_045188177.1 51.9 52
25 0 109 160 61 112 1.00E-06 61.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028666 6105 280 UdeM00000028666 XP_031570315.1 69.3 176
 54 0 1 176 1 176 2.10E-72 280 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000028667 6579 92 UdeM00000028667 XP_033750135.1 31.6 152
 99 3 1 152 12 158 7.90E-16 92 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028668 6596 256.1 UdeM00000028668 XP_045189084.1 31.1 575
 266 7 1 564 1350 1805 1.10E-64 256.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028669 6596 119 UdeM00000028669 XP_045176094.1 46 139
 72 2 1 139 84 219 1.40E-23 119 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028670 6596 92.8 UdeM00000028670 XP_045181277.1 40 110
 59 2 11 116 266 372 3.40E-16 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028673 6565 330.1 UdeM00000028673 XP_022325254.1 30.9 627
 401 13 149 764 64 669 7.50E-87 330.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028674 45264 75.1 UdeM00000028674 XP_044167111.1 57.1 49
 21 0 1 49 14 62 5.90E-11 75.1 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000028675 6596 78.2 UdeM00000028675 XP_045161001.1 33.3 165
 89 4 1 149 387 546 1.00E-11 78.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028678 6596 108.6 UdeM00000028678 XP_045179269.1 40 150
 73 1 2 151 322 454 7.50E-21 108.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028679 6596 95.1 UdeM00000028679 XP_045171351.1 60.8 74
 29 0 1 74 248 321 4.30E-17 95.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028680 6596 59.3 UdeM00000028680 XP_045157314.1 42 88
 50 1 3 89 435 522 7.20E-06 59.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028682 6579 83.2 UdeM00000028682 XP_033730626.1 41.3 104
 59 2 6 108 439 541 2.50E-13 83.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028683 29159 60.1 UdeM00000028683 XP_034315424.1 34.3 108
 62 3 12 116 213 314 3.00E-06 60.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028684 29159 261.9 UdeM00000028684 XP_011412220.2 25.3 801
 459 24 2 683 181 961 2.30E-66 261.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028685 6596 247.7 UdeM00000028685 XP_045206084.1 30.6 532
 334 12 6 520 183 696 3.80E-62 247.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028686 6596 97.8 UdeM00000028686 XP_045206084.1 45.2 104
 54 2 264 366 78 179 3.00E-17 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028687 6596 382.9 UdeM00000028687 XP_045177776.1 38.7 561
 289 7 1 546 405 925 9.70E-103 382.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028689 6565 95.9 UdeM00000028689 XP_022308598.1 38.2 152
 88 5 2 152 21 167 5.40E-17 95.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028690 6596 313.9 UdeM00000028690 XP_045177779.1 36.7 547
 277 12 1 545 97 576 4.00E-82 313.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028692 6596 91.3 UdeM00000028692 XP_045191531.1 37.6 125
 71 2 1 120 807 929 2.70E-15 91.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028693 6596 348.6 UdeM00000028693 XP_045177776.1 38.4 524
251 9 1 504 405 876 1.40E-92 348.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028694 6596 340.9 UdeM00000028694 XP_045177776.1 32.6 681
309 8 1 680 405 936 5.10E-90 340.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028695 37653 147.1 UdeM00000028695 XP_014782194.1 69.6 92
28 0 1 92 1 92 2.10E-32 147.1 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000028696 37653 88.2 UdeM00000028696 XP_014784938.1 55.6 63
28 0 1 63 300 362 4.80E-15 88.2 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000028697 6596 391.3 UdeM00000028697 XP_045177776.1 38.3 572
298 7 1 557 405 936 2.80E-105 391.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028698 29159 193.7 UdeM00000028698 XP_034334268.1 46.4 194
101 1 1 194 160 350 2.10E-46 193.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028699 6565 112.5 UdeM00000028699 XP_022308598.1 36.8 174
100 5 165 337 15 179 1.10E-21 112.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028700 6596 281.6 UdeM00000028700 XP_045189084.1 35 525
260 10 1 513 1350 1805 2.10E-72 281.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028701 202533 329.7 UdeM00000028701 XP_035218899.1 37.4
468 270 8 1 447 1 466 5.70E-87 329.7 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000028702 29159 75.5 UdeM00000028702 XP_034322397.1 28 168
 98 3 59 226 10 154 1.10E-10 75.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028703 6596 285.8 UdeM00000028703 XP_045189084.1 35.4 517
 269 9 1 513 1350 1805 1.20E-73 285.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005814 6596 136.3 UdeM00000005814 XP_045172474.1 23.5 702
 335 25 3 673 338 868 1.90E-28 136.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005817 1735272 85.5 UdeM00000005817 XP_041366951.1 43.5
 85 48 0 40 124 159 243 6.10E-14 85.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005818 6596 121.7 UdeM00000005818 XP_045172301.1 26 534
 313 23 4 525 533 996 3.60E-24 121.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005820 6596 71.2 UdeM00000005820 XP_045173448.1 26.8 265
 178 9 161 417 361 617 3.60E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005821 7574 204.9 UdeM00000005821 XP_013401097.1 45 271
 139 3 2 263 458 727 1.50E-49 204.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000005822 6596 99.8 UdeM00000005822 XP_045172301.1 22.9 428
 255 15 6 422 609 972 1.40E-17 99.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005823 6596 672.5 UdeM00000005823 XP_045200304.1 72.6 420
 114 1 48 466 36 455 3.80E-190 672.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005824 6579 100.1 UdeM00000005824 XP_033725865.1 30 267
 96 2 123 298 1 267 5.00E-18 100.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005825 6565 166 UdeM00000005825 XP_022314529.1 53 151
71 0 5 155 230 380 3.90E-38 166 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005826 6579 202.6 UdeM00000005826 XP_033726291.1 45 249
115 3 1 237 1 239 6.10E-49 202.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005827 6565 414.8 UdeM00000005827 XP_022325507.1 47.9 491
241 9 146 628 82 565 2.30E-112 414.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005828 6596 694.5 UdeM00000005828 XP_045188919.1 80 424
80 2 1 420 1 423 8.30E-197 694.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005829 6596 1310.8 UdeM00000005829 XP_045179737.1 60.8
1005 388 2 2 1005 37 1036 0.00E+00 1310.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005831 8081 75.5 UdeM00000005831 XP_008413165.1 32.8 128
77 4 20 146 45 164 6.40E-11 75.5 8081 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Atherinomorpha;Cypripinodontiformes;Cyprinodontiformes;Poeciliidae;Poeciliinae;Poecilia;Poecilia reticulata

UdeM00000005832 6573 97.4 UdeM00000005832 XP_021374606.1 37.8 119
64 3 3 118 44 155 1.30E-17 97.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005833 7739 158.3 UdeM00000005833 XP_035668231.1 36.6 273
140 10 171 425 138 395 2.20E-35 158.3 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000005834 400727 107.8 UdeM00000005834 XP_025097819.1 36.4
143 81 1 212 354 16 148 2.80E-20 107.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000005836 6579 121.7 UdeM00000005836 XP_033735506.1 29.8 265
178 4 44 304 48 308 1.70E-24 121.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000005835 6579 121.7 UdeM00000005835 XP_033735506.1 29.8 265
178 4 188 448 48 308 2.50E-24 121.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000005837 6579 175.3 UdeM00000005837 XP_033735506.1 33.6 292
183 5 324 615 35 315 2.50E-40 175.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000005838 6579 173.3 UdeM00000005838 XP_033735506.1 32.9 286
186 4 396 681 38 317 1.00E-39 173.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000005839 6565 126.7 UdeM00000005839 XP_022325827.1 60.2 88
34 1 12 99 66 152 1.70E-26 126.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000005840 6596 755 UdeM00000005840 XP_045195165.1 55.5 740
280 9 206 922 3 716 1.50E-214 755 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005841 6579 188.3 UdeM00000005841 XP_033731230.1 47.3 184
97 0 11 194 18 201 1.20E-44 188.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000005842 6596 310.1 UdeM00000005842 XP_045192274.1 66.3 297
84 9 1 289 1 289 3.00E-81 310.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005843 6579 75.5 UdeM00000005843 XP_033758492.1 52.7 74
33 2 11 83 510 582 3.70E-11 75.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000005844 6596 218.8 UdeM00000005844 XP_045192274.1 74.5 153
33 3 100 247 138 289 7.80E-54 218.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005845 6596 880.9 UdeM00000005845 XP_045209396.1 73.1 617
153 4 9 613 10 625 9.90E-253 880.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005846 6579 860.9 UdeM00000005846 XP_033760986.1 67.3 642
206 2 4 643 3 642 1.00E-246 860.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005847 6579 1327.4 UdeM00000005847 XP_033739131.1 51
1294 550 9 1 1224 91 1370 0.00E+00 1327.4 6579

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005848 45264 147.5 UdeM00000005848 XP_044165535.1 41.2 177
99 2 28 199 351 527 2.20E-32 147.5 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000005849 29159 68.6 UdeM00000005849 XP_034330259.1 58.2 55
23 0 14 68 642 696 6.70E-09 68.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005850 202533 125.9 UdeM00000005850 XP_035231949.1 45.2
126 67 2 1 124 318 443 3.60E-26 125.9 202533

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000005852 6596 106.3 UdeM00000005852 XP_045166072.1 32.8 189
111 5 22 197 21 206 4.60E-20 106.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005853 6596 125.6 UdeM00000005853 XP_045192593.1 27.9 323
209 7 317 623 397 711 2.30E-25 125.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005854 6579 85.9 UdeM00000005854 XP_033750915.1 40.4 109
60 2 1 107 1 106 3.50E-14 85.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005855 6596 94.4 UdeM00000005855 XP_045192593.1 29.6 206
133 5 19 218 504 703 2.00E-16 94.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005856 6579 86.3 UdeM00000005856 XP_033745025.1 41.7 108
58 1 12 119 23 125 9.80E-14 86.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005857 29159 133.7 UdeM00000005857 XP_011449844.1 20.6 690
417 18 9 587 13 682 8.10E-28 133.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005858 6596 268.5 UdeM00000005858 XP_045201533.1 60.3 219
87 0 21 239 26 244 8.60E-69 268.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005859 6579 134.4 UdeM00000005859 XP_033759165.1 50 136
63 2 8 141 7 139 1.10E-28 134.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005860 6596 138.7 UdeM00000005860 XP_045203675.1 61 105
40 1 1 104 543 647 4.40E-30 138.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005861 6596 411 UdeM00000005861 XP_045203675.1 44.9 450
247 1 1 449 58 507 2.00E-111 411 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005862 6579 147.1 UdeM00000005862 XP_033759165.1 55.6 126
54 1 22 147 16 139 1.70E-32 147.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005863 6850 68.2 UdeM00000005863 XP_022251367.1 26.6 143
95 3 50 192 51 183 1.30E-08 68.2 6850 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limulidae;Limulus;Limulus polyphemus

UdeM00000005865 7957 136.7 UdeM00000005865 XP_026141005.1 32.8 265
149 9 126 381 130 374 6.60E-29 136.7 7957 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidei;Cyprinidae;Cyprininae;Carassius;Carassius auratus

UdeM00000005866 294128 63.5 UdeM00000005866 XP_018015177.1 27.3
 128 88 2 63 187 167 292 3.30E-07 63.5 294128
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Peracarida;Amphipoda;Senticaudata
 ;Talitrida;Talitroidea;Hyaellidae;Hyaella;Hyaella azteca
 UdeM00000005867 29159 62.4 UdeM00000005867 XP_034302581.1 39.2 74
 45 0 47 120 49 122 5.10E-07 62.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005868 29159 78.2 UdeM00000005868 XP_034302581.1 42.9 84
 48 0 47 130 49 132 9.70E-12 78.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005871 6596 142.9 UdeM00000005871 XP_045202370.1 60.2 118
 46 1 32 148 22 139 3.30E-31 142.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005872 6573 193.4 UdeM00000005872 XP_021367187.1 39.4 251
 147 2 14 264 13 258 3.80E-46 193.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005873 6573 172.9 UdeM00000005873 XP_021367190.1 32.9 258
 169 3 8 264 4 258 5.30E-40 172.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005874 6573 191 UdeM00000005874 XP_021367190.1 37.8 251
 150 3 13 262 13 258 1.90E-45 191 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005875 6573 186 UdeM00000005875 XP_021367187.1 39 251
 148 3 14 264 13 258 6.10E-44 186 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005876 6573 181.8 UdeM00000005876 XP_021367190.1 39.5 263
 151 4 3 264 2 257 1.20E-42 181.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005878 400727 226.9 UdeM00000005878 XP_025111774.1 48.4
 281 133 5 227 504 315 586 6.00E-56 226.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005879 6596 702.2 UdeM00000005879 XP_045197801.1 72.5 458
 124 1 5 460 1 458 4.40E-199 702.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005880 6596 68.2 UdeM00000005880 XP_045166505.1 35.8 148
 68 3 3 145 4 129 1.00E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005881 6573 266.2 UdeM00000005881 XP_021340176.1 66 200
 68 0 1 200 297 496 3.80E-68 266.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005882 29159 171.8 UdeM00000005882 XP_034312908.1 26 651
 315 19 5 523 6 621 2.30E-39 171.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005884 6579 942.2 UdeM00000005884 XP_033762888.1 68.8 689
 206 5 1 685 1 684 3.70E-271 942.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005885 1735272 342.4 UdeM00000005885 XP_041369120.1 63.4
 279 98 2 5 283 8 282 5.50E-91 342.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005886 6573 501.5 UdeM00000005886 XP_021341164.1 57.9 565
 231 6 1 560 1 563 1.40E-138 501.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005887 6596 360.5 UdeM00000005887 XP_045169435.1 69.8 252
 60 2 1 252 2 237 1.70E-96 360.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005888 1529436 150.6 UdeM00000005888 XP_033095325.1 37.7
 204 124 3 9 211 11 212 2.20E-33 150.6 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000005890 6579 117.1 UdeM00000005890 XP_033761495.1 61.5 91
 34 1 36 125 24 114 1.90E-23 117.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000005891 6573 637.5 UdeM00000005891 XP_021354967.1 48.8 682
319 10 272 932 250 922 2.80E-179 637.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000005892 6573 637.5 UdeM00000005892 XP_021354967.1 48.8 682
319 10 244 904 250 922 2.70E-179 637.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000005893 6596 637.9 UdeM00000005893 XP_045192175.1 66.3 748
252 0 39 786 889 1636 1.70E-179 637.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000005894 6596 852.4 UdeM00000005894 XP_045192175.1 63.4 596
213 3 1 595 271 862 3.50E-244 852.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000005895 6596 187.6 UdeM00000005895 XP_045192175.1 63.8 138
47 2 22 158 22 157 1.40E-44 187.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000005896 6573 337.8 UdeM00000005896 XP_021380280.1 52 296
141 1 1 295 11 306 1.40E-89 337.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000005897 6596 474.2 UdeM00000005897 XP_045197885.1 98.6 221
3 0 1 221 1 221 9.30E-131 474.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000005898 37621 447.6 UdeM00000005898 XP_014679849.1 44.2 511
209 3 10 444 14 524 1.90E-122 447.6 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus
UdeM00000005899 6573 89.4 UdeM00000005899 XP_021352054.1 61.9 63
24 0 8 70 65 127 3.80E-15 89.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000005900 6596 265.4 UdeM00000005900 XP_045190165.1 57.7 213
90 0 1 213 121 333 6.30E-68 265.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005901 6596 261.2 UdeM00000005901 XP_045190165.1 57.4 209
89 0 2 210 125 333 1.20E-66 261.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005902 6596 377.5 UdeM00000005902 XP_045190165.1 59.6 297
120 0 1 297 37 333 1.60E-101 377.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005903 6579 148.3 UdeM00000005903 XP_033730768.1 56.6 145
38 2 63 183 105 248 1.00E-32 148.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005904 6579 125.6 UdeM00000005904 XP_033730768.1 50.3 143
46 2 64 182 107 248 6.90E-26 125.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005906 6565 342 UdeM00000005906 XP_022326632.1 60.8 245
96 0 21 265 11 255 6.90E-91 342 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005907 400727 114.8 UdeM00000005907 XP_025112406.1 49.7
149 31 2 27 132 251 398 9.00E-23 114.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005908 6579 130.6 UdeM00000005908 XP_033730768.1 49.7 143
67 2 30 169 108 248 2.00E-27 130.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005909 6526 358.2 UdeM00000005909 XP_013084225.1 58.2 280
117 0 1 280 1 280 9.60E-96 358.2 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000005910 260995 80.9 UdeM00000005910 XP_033812940.1 51.4
74 35 1 1 74 1 73 7.90E-13 80.9 260995
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini

UdeM00000005911 7757 498.4 UdeM00000005911 XP_032835197.1 80.5 308
 59 1 1 308 52 358 2.10E-137 498.4 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000005912 6596 302.4 UdeM00000005912 XP_045163613.1 42.7 347
 186 7 1 335 1 346 7.30E-79 302.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005913 6596 422.5 UdeM00000005913 XP_045163613.1 56.5 345
 145 3 1 340 1 345 4.90E-115 422.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005914 6579 160.6 UdeM00000005914 XP_033748209.1 41.1 207
 106 3 30 234 6 198 2.40E-36 160.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005915 6579 160.6 UdeM00000005915 XP_033748209.1 45.5 165
 88 1 36 200 36 198 2.10E-36 160.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005916 6596 149.4 UdeM00000005916 XP_045177053.1 40.2 204
 103 6 122 321 243 431 7.70E-33 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005917 7091 181.8 UdeM00000005917 NP_001040508.1 60.5 147
 53 3 1 145 32 175 6.60E-43 181.8 7091 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Bombycoidea;
 Bombycidae;Bombycinae;Bombyx;Bombyx mori
 UdeM00000005919 32264 195.7 UdeM00000005919 XP_015782728.1 54.7 179
 64 4 10 184 8 173 5.50E-47 195.7 32264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Acariforme
 s;Trombidiformes;Prostigmata;Eleutherengona;Raphignathae;Tetranychosida;T
 etranychidae;Tetranychus;Tetranychus urticae
 UdeM00000005920 6573 89 UdeM00000005920 XP_021360243.1 63 73
 20 2 1 67 16 87 2.60E-15 89 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005921 32264 182.6 UdeM00000005921 XP_015782728.1 55.5 164
 55 3 64 226 8 154 5.90E-43 182.6 32264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Acari; Acariformes; Trombidiformes; Prostigmata; Eleutherengona; Raphignathae; Tetranychoidae; Tetranychidae; Tetranychus; Tetranychus urticae

UdeM00000005922 6579 453.8 UdeM00000005922 XP_033730768.1 89.9 248
25 0 1 248 1 248 1.50E-124 453.8 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000005923 6579 756.1 UdeM00000005923 XP_033730800.1 73.9 541
88 7 12 501 248 786 3.00E-215 756.1 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000005924 29159 2467.2 UdeM00000005924 XP_034315520.1 30
5424 3067 84 1 4748 2 5373 0.00E+00 2467.2

29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000005925 6565 1447.6 UdeM00000005925 XP_022331790.1 41.2
1935 1058 17 1 1868 1 1922 0.00E+00 1447.6 6565

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000005926 6596 1350.9 UdeM00000005926 XP_045158693.1 45.2
1514 809 11 2786 4289 90 1593 0.00E+00 1350.9 6596

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005927 6596 499.6 UdeM00000005927 XP_045158693.1 27.3 1197
755 16 53 1154 3169 4345 1.10E-137 499.6 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005928 6596 230.3 UdeM00000005928 XP_045160544.1 44.7 262
141 3 106 365 1 260 3.80E-57 230.3 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000005932 29159 171 UdeM00000005932 XP_034315520.1 23.1 607
421 13 94 682 2638 3216 5.40E-39 171 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000005934 6573 149.8 UdeM00000005934 XP_021344770.1 26 480
259 15 1 388 402 877 7.40E-33 149.8 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000005935 29159 2479.9 UdeM00000005935 XP_034315520.1 30.5
 5435 3028 91 1 4748 2 5373 0.00E+00 2479.9
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005936 29159 2476.8 UdeM00000005936 XP_034315520.1 30.4
 5435 3031 91 1 4748 2 5373 0.00E+00 2476.8
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005937 29159 1788.9 UdeM00000005937 XP_034315520.1 34.8
 3138 1788 44 1 2927 72 3161 0.00E+00 1788.9
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005938 6596 696 UdeM00000005938 XP_045158693.1 27.8 1761
 1097 34 1 1653 3051 4744 1.10E-196 696 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005939 6596 218.4 UdeM00000005939 XP_045191629.1 38.6 337
 181 9 178 503 197 518 2.10E-53 218.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005940 6596 1234.6 UdeM00000005940 XP_045191615.1 60
 1046 404 8 1 1043 1 1035 0.00E+00 1234.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005941 6596 542.7 UdeM00000005941 XP_045191615.1 60.1 429
 169 1 1 427 980 1408 4.10E-151 542.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005942 6596 545.8 UdeM00000005942 XP_045191615.1 59.1 440
 169 1 1 440 980 1408 5.00E-152 545.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005943 6565 255.4 UdeM00000005943 XP_022324961.1 65.8 193
 66 0 22 214 1403 1595 6.60E-65 255.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005944 6596 1063.5 UdeM00000005944 XP_045191602.1 62.9
900 320 7 2 895 645 1536 1.40E-307 1063.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005945 6573 385.6 UdeM00000005945 XP_021341775.1 49.7 394
187 4 1 384 1 393 7.50E-104 385.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005946 6596 495.7 UdeM00000005946 XP_045191602.1 64 392
110 1 1 392 235 595 5.70E-137 495.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005947 6596 313.2 UdeM00000005947 XP_045191602.1 66 238
78 2 1 238 1 235 3.00E-82 313.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005948 6596 511.5 UdeM00000005948 XP_045203324.1 52.5 499
235 2 5 501 1 499 1.20E-141 511.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005950 6596 462.2 UdeM00000005950 XP_045203324.1 55.5 429
189 2 2 428 71 499 7.10E-127 462.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005949 45264 188.3 UdeM00000005949 XP_044167050.1 57.1 154
66 0 4 157 5 158 7.60E-45 188.3 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000005951 1735272 115.9 UdeM00000005951 XP_041354937.1 57
107 42 1 188 290 195 301 1.00E-22 115.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005952 6596 479.9 UdeM00000005952 XP_045188461.1 87.4 270
34 0 1 270 1 270 2.10E-132 479.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005953 6579 380.6 UdeM00000005953 XP_033732728.1 57.1 340
 138 4 1 336 1 336 2.10E-102 380.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005954 225164 517.7 UdeM00000005954 XP_009049053.1 97.2
 246 7 0 41 286 109 354 9.50E-144 517.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000005955 6579 79 UdeM00000005955 XP_033759130.1 33.1 169
 58 4 1 114 1 169 6.10E-12 79 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005956 6565 93.2 UdeM00000005956 XP_022293464.1 25.8 240
 68 2 1 130 339 578 3.00E-16 93.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005957 6565 102.4 UdeM00000005957 XP_022293464.1 36.8 163
 53 4 1 114 1 162 4.60E-19 102.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005958 1735272 134 UdeM00000005958 XP_041370725.1 70.9
 103 28 2 1 101 2 104 1.20E-28 134 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005959 6565 114.8 UdeM00000005959 XP_022299727.1 53.4 103
 47 1 41 143 176 277 1.10E-22 114.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005960 6596 570.5 UdeM00000005960 XP_045188552.1 51.3 1233
 440 26 6 1159 3 1154 5.50E-159 570.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005962 6579 124.4 UdeM00000005962 XP_033732636.1 50.4 135
 63 3 11 143 25 157 1.20E-25 124.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005963 6596 389.8 UdeM00000005963 XP_045202345.1 45.4 562
 245 16 6 521 9 554 5.40E-105 389.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005964 6573 66.2 UdeM00000005964 XP_021369632.1 38.3 94
 49 2 1 85 1 94 3.00E-08 66.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005965 6596 790.4 UdeM00000005965 XP_045202325.1 93 427
 30 0 1 427 1 427 1.10E-225 790.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005966 6596 451.1 UdeM00000005966 XP_045200992.1 78.5 297
 54 3 1 289 1 295 1.10E-123 451.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005968 1735272 152.1 UdeM00000005968 XP_041370053.1 57.5
 120 51 0 1 120 1 120 4.40E-34 152.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005969 1608454 125.6 UdeM00000005969 XP_016340910.1 36.9
 176 101 4 2 167 104 279 6.10E-26 125.6 1608454
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 idei;Cyprinidae;Cyprininae;Sinocyclocheilus;Sinocyclocheilus anshuiensis
 UdeM00000005970 6579 156 UdeM00000005970 XP_033743219.1 39.2 217
 115 6 26 237 34 238 6.00E-35 156 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005971 1735272 625.9 UdeM00000005971 XP_041369270.1 60.5
 550 201 7 14 561 9 544 4.80E-176 625.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005972 6596 376.3 UdeM00000005972 XP_045193755.1 67.2 338
 100 5 1 338 12 338 4.00E-101 376.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005974 1735272 505 UdeM00000005974 XP_041374468.1 74.5
 321 82 0 2 322 3 323 7.20E-140 505 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005975 42434 68.6 UdeM00000005975 XP_039443340.1 49.3 69
 35 0 61 129 532 600 1.30E-08 68.6 42434 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Culicinae;Culicini;Culex;Culex;Culex pipiens
 complex;Culex pipiens;Culex pipiens pallens
 UdeM00000005977 6596 544.7 UdeM00000005977 XP_045200291.1 55.4 554
 220 9 1 538 1 543 1.40E-151 544.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005979 6579 195.3 UdeM00000005979 XP_033732859.1 46 235
 119 3 23 249 19 253 1.00E-46 195.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005978 6579 213.4 UdeM00000005978 XP_033732859.1 46.2 253
 128 3 39 283 1 253 4.10E-52 213.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005980 6579 145.6 UdeM00000005980 XP_033732857.1 47.1 174
 89 1 110 280 351 524 1.50E-31 145.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005982 6596 276.6 UdeM00000005982 XP_045193875.1 91.8 183
 13 1 1 183 1 181 2.40E-71 276.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005983 6596 302 UdeM00000005983 XP_045159330.1 28.3 2229
 1121 68 1 1812 1 2168 6.40E-78 302 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005984 400727 345.1 UdeM00000005984 XP_025114343.1 45.3
 393 200 4 19 397 51 442 1.20E-91 345.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000005985 6596 759.6 UdeM00000005985 XP_045204414.1 78.7 474
 101 0 19 492 20 493 2.50E-216 759.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005986 6596 120.6 UdeM00000005986 XP_045195454.1 47.1 102
 53 1 699 799 525 626 9.40E-24 120.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005987 6596 120.6 UdeM00000005987 XP_045195454.1 47.1 102
53 1 673 773 525 626 9.10E-24 120.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005988 28829 58.9 UdeM00000005988 XP_043867830.1 30.5 141
80 5 16 153 452 577 6.50E-06 58.9 28829 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Carangaria;Pleuronectiformes;Pleuronectoidei;Soleidae;Solea;Solea senegalensis

UdeM00000005989 294128 73.6 UdeM00000005989 XP_018013344.1 26.2
164 109 4 48 204 54 212 3.40E-10 73.6 294128
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Peracarida;Amphipoda;Senticaudata;Talitrida;Talitroidea;Hyalellidae;Hyalella;Hyalella azteca

UdeM00000005991 279965 62.4 UdeM00000005991 XP_010175983.1 29.5
122 81 4 71 191 1245 1362 7.40E-07 62.4 279965
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Caprimulgimorphae;Caprimulgiformes;Caprimulgidae;Antrostomus;Antrostomus carolinensis

UdeM00000005992 114398 77 UdeM00000005992 XP_042898299.1 37.2
129 74 5 74 201 141 263 3.00E-11 77 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM00000005993 6596 365.9 UdeM00000005993 XP_045188866.1 71.6 236
66 1 9 243 278 513 3.90E-98 365.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005994 6579 461.1 UdeM00000005994 XP_033728813.1 56 427
161 5 1 427 1 400 1.60E-126 461.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005995 6579 461.5 UdeM00000005995 XP_033728813.1 56 427
161 5 1 427 1 400 1.20E-126 461.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005998 6596 845.9 UdeM00000005998 XP_045208826.1 46.1 888
410 15 24 854 21 896 4.60E-242 845.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005999 6596 835.5 UdeM00000005999 XP_045208826.1 43.6 992
513 22 6 974 975 1943 7.10E-239 835.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006000 7574 272.7 UdeM00000006000 XP_013395743.2 57.5 261
109 1 257 515 301 561 9.50E-70 272.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000006001 7739 430.3 UdeM00000006001 XP_035683227.1 74.7 269
68 0 13 281 49 317 2.00E-117 430.3 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000006002 7741 213.8 UdeM00000006002 XP_019619243.1 71.2 132
38 0 1 132 184 315 1.50E-52 213.8 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000006003 400727 615.5 UdeM00000006003 XP_025113527.1 73.2
400 105 2 12 410 13 411 4.80E-173 615.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000006004 6526 488.4 UdeM00000006004 XP_013063871.1 81.6 282
52 0 1 282 134 415 6.10E-135 488.4 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pantpulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000006005 6596 109.4 UdeM00000006005 XP_045180427.1 38.4 177
106 2 76 250 98 273 7.20E-21 109.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006006 6596 110.9 UdeM00000006006 XP_045191135.1 53.6 110
51 0 1 110 1 110 1.80E-21 110.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006007 7574 336.7 UdeM00000006007 XP_013419749.1 48 356
 174 5 103 447 153 508 1.60E-88 336.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006009 6579 446 UdeM00000006009 XP_033729541.1 35.1 857
 465 20 10 826 8 813 2.20E-121 446 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006010 6596 791.2 UdeM00000006010 XP_045190778.1 42 1340
 673 31 10 1301 20 1303 2.00E-225 791.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006012 30410 88.6 UdeM00000006012 XP_042738801.1 20.8 779
 458 30 26 738 2783 3468 3.70E-14 88.6 30410 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Galloanserae;Galliformes;Phasianidae;Tetraoninae;Lagopus;Lagopus
 leucura
 UdeM00000006013 400727 201.4 UdeM00000006013 XP_025114528.1 56.6
 175 75 1 15 189 14 187 1.10E-48 201.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006014 6565 390.6 UdeM00000006014 XP_022326280.1 55.6 933
 339 15 1 921 1 870 5.80E-105 390.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006015 6596 1047 UdeM00000006015 XP_045197392.1 61.2 863
 287 7 8 827 111 968 1.30E-302 1047 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006016 6579 1058.1 UdeM00000006016 XP_033730381.1 59.9
 910 302 12 8 859 92 996 5.80E-306 1058.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006017 6579 1454.1 UdeM00000006017 XP_033739131.1 54.6
 1293 571 8 1 1290 91 1370 0.00E+00 1454.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006018 37621 127.5 UdeM00000006018 XP_014678940.1 54.2 107
 49 0 13 119 462 568 1.30E-26 127.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000006019 37621 200.7 UdeM00000006019 XP_014672567.1 54.5 156
 71 0 10 165 345 500 1.80E-48 200.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000006021 6596 856.3 UdeM00000006021 XP_045197373.1 67.3 694
 206 8 25 702 35 723 2.70E-245 856.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006020 6596 1335.1 UdeM00000006020 XP_045197373.1 73.3
 948 232 8 25 956 35 977 0.00E+00 1335.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006022 37653 490 UdeM00000006022 XP_014772824.1 89.4 255
 27 0 18 272 666 920 2.00E-135 490 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000006023 6573 1015.8 UdeM00000006023 XP_021349629.1 59.7
 899 346 8 1 888 67 960 3.40E-293 1015.8 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006024 6579 1030 UdeM00000006024 XP_033730381.1 58.1 934
 341 10 1 892 65 990 1.80E-297 1030 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006025 400727 584.3 UdeM00000006025 XP_025111850.1 63.6
 464 160 4 89 543 526 989 1.60E-163 584.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006026 6573 1011.1 UdeM00000006026 XP_021349629.1 61
 910 323 11 1 890 67 964 8.50E-292 1011.1 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006027 6596 79.3 UdeM00000006027 XP_045195286.1 35.5 152
 93 3 99 248 108 256 7.50E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006028 6579 84 UdeM00000006028 XP_033750029.1 31.6 155
99 4 176 330 57 204 4.00E-13 84 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006029 6573 85.5 UdeM00000006029 XP_021348414.1 37 135
82 2 190 324 73 204 1.40E-13 85.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006030 6573 91.3 UdeM00000006030 XP_021354625.1 36.7 166
91 3 44 197 62 225 1.60E-15 91.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006031 6573 91.7 UdeM00000006031 XP_021348414.1 39.9 143
78 5 69 209 68 204 1.30E-15 91.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006032 400727 65.9 UdeM00000006032 XP_025113222.1 45
80 42 2 1 80 185 262 4.00E-08 65.9 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000006033 6573 87 UdeM00000006033 XP_021348414.1 39 141
82 4 76 216 68 204 3.20E-14 87 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006034 6579 84 UdeM00000006034 XP_033750030.1 33.9 189
115 5 7 192 26 207 2.50E-13 84 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006036 6596 538.5 UdeM00000006036 XP_045193633.1 48.9 585
292 6 8 590 5 584 1.10E-149 538.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006037 6596 549.3 UdeM00000006037 XP_045193633.1 48.8 584
292 6 8 588 5 584 6.00E-153 549.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006038 29159 109 UdeM00000006038 XP_034307582.1 32.7 208
132 3 7 214 4 203 3.00E-20 109 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006039 9430 59.3 UdeM00000006039 XP_024425887.1 29.7 101
71 0 39 139 298 398 4.50E-06 59.3 9430 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Laurasiatheria;Chiroptera;Microchiroptera;Phyllostomidae;D
esmodontinae;Desmodus;Desmodus rotundus
UdeM00000006040 7741 126.7 UdeM00000006040 XP_019635812.1 36.3 204
109 6 28 219 22 216 3.80E-26 126.7 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000006041 6596 172.6 UdeM00000006041 XP_045193633.1 46 202
107 2 2 201 269 470 5.30E-40 172.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006042 29159 91.7 UdeM00000006042 XP_034300188.1 51.9 104
29 3 7 89 135 238 5.30E-16 91.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006043 6596 449.1 UdeM00000006043 XP_045193632.1 44.2 584
269 8 8 541 5 581 7.80E-123 449.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006044 6596 535 UdeM00000006044 XP_045193632.1 49.3 580
279 7 12 583 9 581 1.20E-148 535 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006045 6596 527.3 UdeM00000006045 XP_045193632.1 48.5 584
290 7 8 587 5 581 2.40E-146 527.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006046 6596 551.2 UdeM00000006046 XP_045193633.1 49.1 580
288 6 12 588 9 584 1.60E-153 551.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006047 6596 551.6 UdeM00000006047 XP_045193633.1 49.5 580
286 6 12 588 9 584 1.20E-153 551.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000006048 6596 552 UdeM00000006048 XP_045193633.1 49.5 580
 286 6 39 615 9 584 9.70E-154 552 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006049 59916 145.6 UdeM00000006049 XP_039965766.1 26.1 529
 314 13 38 525 100 592 1.90E-31 145.6 59916 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscom
 orpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Tephritoidea;Tephri
 tidae;Dacinae;Dacini;Bactrocera;Bactrocera;Bactrocera tyroni species
 complex;Bactrocera tryoni
 UdeM00000006050 6596 165.6 UdeM00000006050 XP_045188077.1 30.7 375
 209 7 64 426 108 443 1.40E-37 165.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006052 6573 351.7 UdeM00000006052 XP_021376024.1 96.6 178
 6 0 1 178 37 214 5.60E-94 351.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006053 6596 628.2 UdeM00000006053 XP_045188086.1 77 417
 93 1 1 417 1 414 7.20E-177 628.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006054 6596 206.5 UdeM00000006054 XP_045188083.1 29.7 958
 466 39 108 966 7 856 1.60E-49 206.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006055 29159 71.6 UdeM00000006055 XP_034300649.1 34.9 186
 101 8 35 211 728 902 1.30E-09 71.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006056 7574 268.5 UdeM00000006056 XP_013397413.1 29.8 655
 309 11 32 581 494 1102 2.80E-68 268.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006057 29159 372.9 UdeM00000006057 XP_011443579.1 89.9 227
 22 1 1 226 1 227 3.60E-100 372.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006058 1735272 282 UdeM00000006058 XP_041369080.1 41.8
 354 197 3 16 366 1 348 1.10E-72 282 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006061 6596 959.1 UdeM00000006061 XP_045193225.1 52.1 932
 424 8 136 1056 296 1216 4.50E-276 959.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006062 6596 461.8 UdeM00000006062 XP_045199075.1 33 1007
 426 23 1 846 4 922 1.90E-126 461.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006063 6596 1013.8 UdeM00000006063 XP_045199108.1 68.3
 804 241 6 9 805 29 825 1.20E-292 1013.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006064 6596 861.7 UdeM00000006064 XP_045199067.1 70.3 553
 160 3 9 559 50 600 5.50E-247 861.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006065 6596 854 UdeM00000006065 XP_045199067.1 68.8 552
 169 2 196 745 50 600 1.50E-244 854 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006066 6596 854 UdeM00000006066 XP_045199067.1 68.8 552
 169 2 196 745 50 600 1.50E-244 854 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006067 6596 820.8 UdeM00000006067 XP_045199067.1 68.9 541
 164 3 19 557 62 600 1.10E-234 820.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006068 6596 313.5 UdeM00000006068 XP_045194817.1 57.7 267
 98 4 2 254 5 270 2.50E-82 313.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000006069 6596 260.8 UdeM00000006069 XP_045194817.1 57.2 229
 80 4 2 216 5 229 1.60E-66 260.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006070 400727 624 UdeM00000006070 XP_025112726.1 82.7
 365 62 1 22 386 5 368 1.30E-175 624 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006071 6579 114 UdeM00000006071 XP_033725348.1 30.3 228
 147 2 11 238 12 227 3.00E-22 114 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006076 150288 116.7 UdeM00000006076 XP_020780460.1 37.1
 186 104 3 3 186 31 205 4.40E-23 116.7 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000006077 1735272 107.8 UdeM00000006077 XP_041378104.1 44.6
 121 67 0 19 139 20 140 1.40E-20 107.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006079 6579 169.1 UdeM00000006079 XP_033761495.1 83 94
 16 0 39 132 167 260 1.00E-38 169.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006081 6596 610.1 UdeM00000006081 XP_045190822.1 48 650
 319 8 13 649 19 662 3.40E-171 610.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006082 6565 293.9 UdeM00000006082 XP_022327387.1 44.3 388
 193 8 15 389 14 391 3.00E-76 293.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006083 6596 88.2 UdeM00000006083 XP_045190822.1 45.8 96
 47 1 13 108 19 109 7.00E-15 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006084 29159 219.5 UdeM00000006084 XP_011440604.2 42.8 208
 110 3 25 224 22 228 4.20E-54 219.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006085 6596 227.3 UdeM00000006085 XP_045195835.1 56.6 221
 85 3 38 256 85 296 2.30E-56 227.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006086 37621 124.4 UdeM00000006086 XP_014678815.1 38.2 207
 119 4 58 257 38 242 2.50E-25 124.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000006087 6565 370.5 UdeM00000006087 XP_022309155.1 39.9 509
 269 12 2 483 24 522 3.30E-99 370.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006088 37621 151.8 UdeM00000006088 XP_014676916.1 35 254
 140 3 40 286 43 278 1.40E-33 151.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000006090 6596 356.3 UdeM00000006090 XP_045195821.1 62 274
 103 1 7 280 5 277 3.60E-95 356.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006089 6596 506.1 UdeM00000006089 XP_045195821.1 44.1 784
 356 21 7 728 5 768 8.80E-140 506.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006091 6565 142.1 UdeM00000006091 XP_022302274.1 42.1 178
 101 2 14 191 127 302 7.20E-31 142.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006093 7888 91.3 UdeM00000006093 XP_043917682.1 32.9 161
 74 1 1 127 382 542 1.10E-15 91.3 7888 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes
 ;Lepidosirenoidei;Protopteridae;Protopterus;Protopterus annectens
 UdeM00000006094 6596 104.4 UdeM00000006094 XP_045201969.1 65.8 76
 26 0 1 76 19 94 1.50E-19 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006096 6500 177.6 UdeM00000006096 XP_035826907.1 40.6 244
140 3 3 246 303 541 2.00E-41 177.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000006097 400727 67.8 UdeM00000006097 XP_025084271.1 48.3
58 26 2 26 81 53 108 1.80E-08 67.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000006100 6579 317 UdeM00000006100 XP_033761495.1 77 196
43 2 3 197 99 293 2.10E-83 317 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006111 29159 101.3 UdeM00000006111 XP_019918936.2 63 73
26 1 1 72 566 638 1.30E-18 101.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006111 29159 70.1 UdeM00000006111 XP_019918936.2 52.5 59
28 0 114 172 914 972 3.10E-09 70.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006113 6565 68.9 UdeM00000006113 XP_022288548.1 44.2 86
32 2 170 239 149 234 9.70E-09 68.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006114 29159 548.5 UdeM00000006114 XP_034322046.1 50.8 530
230 6 2 504 155 680 9.70E-153 548.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006119 6596 456.1 UdeM00000006119 XP_045200164.1 85.9 283
35 2 20 301 10 288 3.60E-125 456.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006120 6579 359 UdeM00000006120 XP_033731381.1 68.8 272
83 1 19 290 273 542 5.70E-96 359 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006121 307658 61.6 UdeM00000006121 XP_036150530.1 32.7
101 61 1 436 536 37 130 3.50E-06 61.6 307658

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Aculeata; Formicoidea; Formicidae; Myrmicinae; Solenopsidini; Monomorium; Monomorium pharaonis

UdeM00000006122 6596 404.8 UdeM00000006122 XP_045200206.1 80.3 264
52 0 25 288 271 534 9.10E-110 404.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000006123 6579 155.2 UdeM00000006123 XP_033731441.1 37.7 220
125 6 868 1079 1215 1430 4.60E-34 155.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000006124 6565 208.8 UdeM00000006124 XP_022328041.1 70.4 135
39 1 1 135 1 134 4.50E-51 208.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000006125 6596 333.6 UdeM00000006125 XP_045193796.1 41.2 398
222 6 46 437 58 449 3.90E-88 333.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000006126 6565 128.6 UdeM00000006126 XP_022334997.1 43.1 153
78 3 3 148 28 178 9.20E-27 128.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000006128 6596 1652.1 UdeM00000006128 XP_045196087.1 66.8
1263 396 8 4 1248 5 1262 0.00E+00 1652.1 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000006129 6573 451.8 UdeM00000006129 XP_021376771.1 26.6 870
639 0 5 874 851 1720 2.00E-123 451.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000006130 6573 810.1 UdeM00000006130 XP_021376771.1 25.2 1952
1354 16 59 1996 148 2006 7.20E-231 810.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000006131 6573 588.6 UdeM00000006131 XP_021376771.1 25 1427
978 9 59 1416 148 1551 2.20E-164 588.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000006132 6596 92.8 UdeM00000006132 XP_045195403.1 25.5 412
 229 13 13 415 21 363 1.20E-15 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006133 6596 96.3 UdeM00000006133 XP_045195403.1 26.3 395
 229 13 13 397 21 363 1.10E-16 96.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006134 6596 201.8 UdeM00000006134 XP_045197631.1 56.1 173
 73 3 1 171 109 280 7.10E-49 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006137 6596 626.7 UdeM00000006137 XP_045197750.1 49.4 850
 310 25 31 837 515 1287 4.20E-176 626.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006136 6596 1555.8 UdeM00000006136 XP_045197750.1 64.2
 1367 364 28 1 1321 1 1287 0.00E+00 1555.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006138 6579 958.4 UdeM00000006138 XP_033731905.1 59.4 849
 305 11 17 854 69 888 6.20E-276 958.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006139 6579 952.2 UdeM00000006139 XP_033731905.1 59.2 856
 303 12 17 862 69 888 4.50E-274 952.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006140 7574 244.6 UdeM00000006140 XP_013382110.1 58.1 198
 77 1 1 198 37 228 1.10E-61 244.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006141 7574 244.6 UdeM00000006141 XP_013382110.1 60.3 184
 73 0 14 197 45 228 1.10E-61 244.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006142 7574 119.4 UdeM00000006142 XP_013384628.1 65.2 89
 14 2 1 72 33 121 2.00E-24 119.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000006144 29159 547.4 UdeM00000006144 XP_011451351.2 62.2 415
150 5 1 411 1 412 1.60E-152 547.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006145 6596 994.2 UdeM00000006145 XP_045204825.1 76.8 626
136 4 1 621 1 622 7.50E-287 994.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006146 6596 269.2 UdeM00000006146 XP_045173538.1 48.2 307
143 5 3 301 1 299 6.30E-69 269.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006148 7741 179.1 UdeM00000006148 XP_019640655.1 52.1 167
79 1 5 170 1 167 4.80E-42 179.1 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri

UdeM00000006150 2607531 105.1 UdeM00000006150 XP_029649075.1 40.5
131 77 1 7 137 138 267 7.40E-20 105.1 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000006151 29159 437.2 UdeM00000006151 XP_034300976.1 71.7 290
81 1 1 290 1 289 1.70E-119 437.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006152 37653 292 UdeM00000006152 XP_014771939.1 38.9 404
227 9 54 449 7 398 1.40E-75 292 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000006154 29159 75.5 UdeM00000006154 XP_034300976.1 60.3 58
23 0 1 58 1 58 1.20E-10 75.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006155 6596 289.3 UdeM00000006155 XP_045204120.1 49.2 266
128 3 1402 1667 1416 1674 3.20E-74 289.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006156 6596 168.3 UdeM00000006156 XP_045204120.1 49.4 158
73 3 1 158 1524 1674 7.80E-39 168.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006157 6579 189.5 UdeM00000006157 XP_033729873.1 86 121
15 1 1 119 41 161 2.50E-45 189.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006158 46514 229.6 UdeM00000006158 XP_038075905.1 44.8 250
135 2 1 247 39 288 4.50E-57 229.6 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000006159 46514 228 UdeM00000006159 XP_038075905.1 44.4 250
136 2 1 247 39 288 1.30E-56 228 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000006160 46514 228 UdeM00000006160 XP_038075905.1 44.4 250
136 2 1 247 39 288 1.30E-56 228 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000006161 46514 228 UdeM00000006161 XP_038075905.1 44.4 250
136 2 1 247 39 288 1.30E-56 228 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000006162 133434 182.2 UdeM00000006162 XP_022110847.1 64.5
121 43 0 21 141 188 308 4.70E-43 182.2 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000006163 29159 65.9 UdeM00000006163 XP_034330722.1 35.1 74
48 0 7 80 55 128 3.40E-08 65.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006164 6596 750.4 UdeM00000006164 XP_045194321.1 44.9 926
462 18 603 1504 196 1097 4.50E-213 750.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006164 6596 156.8 UdeM00000006164 XP_045194321.1 44.9 205
98 6 12 209 14 210 2.20E-34 156.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006165 29159 209.9 UdeM00000006165 XP_019919189.2 52.1 192
84 3 252 442 445 629 6.50E-51 209.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006166 6596 238.8 UdeM00000006166 XP_045202247.1 36.7 431
228 14 14 425 771 1175 1.30E-59 238.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006167 6596 172.2 UdeM00000006167 XP_045197948.1 38.1 239
137 3 34 268 45 276 9.30E-40 172.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006168 6573 144.8 UdeM00000006168 XP_021367676.1 41.5 147
84 1 28 172 298 444 1.00E-31 144.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006169 6596 297.4 UdeM00000006169 XP_045202247.1 36.2 522
289 14 22 525 680 1175 3.80E-77 297.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006170 6596 146.4 UdeM00000006170 XP_045189815.1 48.8 123
63 0 33 155 308 430 3.60E-32 146.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006171 29159 58.9 UdeM00000006171 XP_011430929.2 29.9 174
89 6 6 146 24 197 6.70E-06 58.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006172 6579 416 UdeM00000006172 XP_033732775.1 55.5 465
179 6 18 460 361 819 8.10E-113 416 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000006174 29159 463.8 UdeM00000006174 XP_011443847.2 78.8 283
60 0 7 289 124 406 1.70E-127 463.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006173 6596 475.3 UdeM00000006173 XP_045201405.1 65.9 384
122 3 24 407 81 455 7.70E-131 475.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006175 6565 802 UdeM00000006175 XP_022327525.1 79.9 473
94 1 321 792 86 558 7.00E-229 802 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000006176 6565 800.8 UdeM00000006176 XP_022327525.1 80.1 472
93 1 346 816 87 558 1.60E-228 800.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000006177 80966 177.6 UdeM00000006177 XP_022077561.1 56.7 150
65 0 8 157 122 271 1.30E-41 177.6 80966 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Ovalentaria
incertae sedis;Pomacentridae;Acanthochromis;Acanthochromis polyacanthus
UdeM00000006178 6596 844.3 UdeM00000006178 XP_045191281.1 75.6 585
138 4 1 584 583 1163 9.00E-242 844.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006179 6579 140.6 UdeM00000006179 XP_033729575.1 72.1 86
24 0 47 132 661 746 1.50E-30 140.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000006180 6573 758.8 UdeM00000006180 XP_021341777.1 56.4 642
273 6 37 673 22 661 5.80E-216 758.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006181 6596 585.1 UdeM00000006181 XP_045195968.1 51.3 565
259 9 6 566 324 876 9.50E-164 585.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006182 6596 587.4 UdeM00000006182 XP_045193589.1 53.4 526
234 7 22 543 22 540 1.90E-164 587.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006183 6596 590.1 UdeM00000006183 XP_045193598.1 51.3 544
253 8 24 563 24 559 3.00E-165 590.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006184 6596 124.4 UdeM00000006184 XP_045182869.1 63.6 88
32 0 7 94 5 92 8.40E-26 124.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006185 6596 564.7 UdeM00000006185 XP_045193598.1 53.5 525
 210 9 23 520 23 540 1.30E-157 564.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006186 6579 99.4 UdeM00000006186 XP_033727735.1 38.3 120
 69 2 2 119 458 574 3.40E-18 99.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006187 6596 609 UdeM00000006187 XP_045193598.1 52.6 567
 245 12 5 563 9 559 6.20E-171 609 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006188 6596 193.7 UdeM00000006188 XP_045182869.1 64 139
 49 1 8 146 6 143 1.60E-46 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006189 6596 226.5 UdeM00000006189 XP_045182869.1 66.9 154
 50 1 15 168 13 165 2.70E-56 226.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006190 6596 269.6 UdeM00000006190 XP_045195968.1 52 254
 112 6 2 252 481 727 4.00E-69 269.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006191 6573 97.1 UdeM00000006191 XP_021374905.1 41.4 116
 67 1 2 117 478 592 1.70E-17 97.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006192 6596 611.7 UdeM00000006192 XP_045193598.1 53.7 549
 234 11 23 563 23 559 9.60E-172 611.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006193 6596 586.3 UdeM00000006193 XP_045193598.1 50 550
 262 9 21 565 21 562 4.30E-164 586.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006194 6596 584.3 UdeM00000006194 XP_045193598.1 51.6 547
 254 7 1 543 1 540 1.60E-163 584.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006195 6573 572.8 UdeM00000006195 XP_021377609.1 50.4 520
 248 6 25 539 64 578 4.90E-160 572.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006196 6596 212.6 UdeM00000006196 XP_045181035.1 55.6 178
 75 2 22 199 59 232 4.70E-52 212.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006197 6596 216.1 UdeM00000006197 XP_045193589.1 44.9 225
 96 2 106 302 270 494 7.10E-53 216.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006198 6596 607.8 UdeM00000006198 XP_045193598.1 52.8 549
 239 11 23 563 23 559 1.40E-170 607.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006199 6596 597.8 UdeM00000006199 XP_045193598.1 51.4 547
 255 8 23 565 23 562 1.40E-167 597.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006200 6596 485.3 UdeM00000006200 XP_045193589.1 55.7 411
 171 8 1 407 36 439 7.50E-134 485.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006201 6596 202.6 UdeM00000006201 XP_045193529.1 42.6 434
 216 16 7 413 1 428 1.60E-48 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006202 6596 190.7 UdeM00000006202 XP_045193529.1 41.3 431
 217 16 7 404 1 428 6.10E-45 190.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006203 6596 86.3 UdeM00000006203 XP_045193511.1 38.4 138
 79 4 22 154 23 159 4.00E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006204 29159 182.6 UdeM00000006204 XP_034304052.1 38.1 323
 173 11 1 311 11 318 1.80E-42 182.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006206 6689 175.6 UdeM00000006206 XP_027230835.1 42.5 226
 126 4 3 227 41 263 7.00E-41 175.6 6689 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus vannamei
 UdeM00000006207 29159 129 UdeM00000006207 XP_011442460.2 36.7 226
 126 8 10 228 8 223 7.90E-27 129 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006208 105785 77 UdeM00000006208 XP_023717879.1 41.5
 94 46 3 1 93 215 300 1.80E-11 77 105785
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blat
 toidea;Termitoidea;Kalotermitidae;Cryptotermitinae;Cryptotermes;Cryptoter
 mes secundus
 UdeM00000006211 6579 563.9 UdeM00000006211 XP_033760977.1 28.1 1892
 1001 47 28 1651 9 1808 6.60E-157 563.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006212 6596 285 UdeM00000006212 XP_045178398.1 46.8 280
 147 1 3 280 6 285 1.00E-73 285 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006213 6596 669.1 UdeM00000006213 XP_045178632.1 42.2 806
 444 9 143 943 62 850 8.40E-189 669.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006215 6579 161.4 UdeM00000006215 XP_033731994.1 34.3 315
 144 7 476 752 286 575 5.60E-36 161.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006216 6596 974.9 UdeM00000006216 XP_045198165.1 52.3 951
 435 8 1 939 3 946 7.10E-281 974.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006218 6596 103.2 UdeM00000006218 XP_045199128.1 40.7 140
81 2 1 138 31 170 2.90E-19 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006219 6596 122.5 UdeM00000006219 XP_045199123.1 41.9 160
91 2 1 158 31 190 5.30E-25 122.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006220 6596 1890.2 UdeM00000006220 XP_045199153.1 35.9
3853 1839 66 2 3670 9 3415 0.00E+00 1890.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006221 6579 213.8 UdeM00000006221 XP_033731929.1 37.4 412
196 15 1 370 11 402 4.20E-52 213.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006222 2607531 272.7 UdeM00000006222 XP_029655780.1 40.9
433 234 5 383 811 671 1085 1.50E-69 272.7 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000006223 6573 148.3 UdeM00000006223 XP_021373588.1 43.4 274
115 13 461 717 1181 1431 3.80E-32 148.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006224 6573 153.3 UdeM00000006224 XP_021373588.1 44 273
114 12 461 716 1181 1431 1.20E-33 153.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006225 6596 762.7 UdeM00000006225 XP_045202168.1 71.4 553
140 5 1 536 1 552 4.00E-217 762.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006226 45264 349.7 UdeM00000006226 XP_044165535.1 44.8 395
201 4 2 389 194 578 5.40E-93 349.7 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000006227 70779 167.5 UdeM00000006227 XP_015759381.1 38.6 246
148 1 12 254 490 735 2.20E-38 167.5 70779 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera
UdeM00000006228 63155 125.2 UdeM00000006228 XP_030585845.1 38.6 171
98 2 3 168 527 695 8.70E-26 125.2 63155 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteoromorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
iformes;Cichlidae;New World
cichlids;Cichlasomatinae;Heroini;Archocentrus;Archocentrus centrarchus
UdeM00000006230 6596 97.1 UdeM00000006230 XP_045215263.1 49.5 93
45 1 372 462 1011 1103 6.40E-17 97.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006230 6596 60.5 UdeM00000006230 XP_045215263.1 61.9 42
16 0 191 232 10 51 6.70E-06 60.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006232 7574 119 UdeM00000006232 XP_013410728.1 34 282
117 7 218 437 70 344 1.50E-23 119 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000006233 7574 118.2 UdeM00000006233 XP_013410728.1 34 282
115 7 218 435 70 344 2.50E-23 118.2 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000006234 72036 95.9 UdeM00000006234 XP_040577149.1 80.6 62
12 0 17 78 220 281 2.40E-17 95.9 72036 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
aligidae;Lepeophtheirus;Lepeophtheirus salmonis
UdeM00000006235 29159 370.2 UdeM00000006235 XP_011442459.2 59.6 277
110 2 10 285 10 285 2.40E-99 370.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006236 6565 619.4 UdeM00000006236 XP_022322314.1 90 341
27 1 94 427 135 475 3.40E-174 619.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006237 6565 618.6 UdeM00000006237 XP_022322316.1 92.7 328
 24 0 94 421 135 462 5.80E-174 618.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006238 8407 61.2 UdeM00000006238 XP_040210694.1 54.4 57
 25 1 30 86 480 535 7.30E-07 61.2 8407 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Ranoidea;Ranidae;Rana;Rana;Rana temporaria
 UdeM00000006240 6596 234.6 UdeM00000006240 XP_045199183.1 53.8 212
 94 2 7 214 39 250 1.20E-58 234.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006239 6596 279.6 UdeM00000006239 XP_045199183.1 55.3 246
 106 2 4 245 5 250 3.70E-72 279.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006241 400727 214.5 UdeM00000006241 XP_025113113.1 44
 300 144 4 444 731 244 531 5.90E-52 214.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006243 1735272 681.4 UdeM00000006243 XP_041368412.1 64.5
 518 179 2 99 611 108 625 1.10E-192 681.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006244 7574 139.4 UdeM00000006244 XP_013417182.2 68.8 93
 29 0 3 95 436 528 2.40E-30 139.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006245 7574 172.2 UdeM00000006245 XP_013394552.1 31.7 379
 171 6 10 378 7 307 1.30E-39 172.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006246 6596 463.4 UdeM00000006246 XP_045193039.1 62.6 340
 125 2 111 449 39 377 3.30E-127 463.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006247 6596 362.5 UdeM00000006247 XP_045193039.1 63.2 261
 94 2 124 383 118 377 6.80E-97 362.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006248 6579 252.3 UdeM00000006248 XP_033731069.1 83.5 139
23 0 21 159 47 185 4.30E-64 252.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006249 6596 313.5 UdeM00000006249 XP_045193059.1 40.9 440
194 4 6 403 5 420 3.80E-82 313.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006250 50429 73.9 UdeM00000006250 XP_022802576.1 71.7 46
13 0 1 46 1 46 8.80E-11 73.9 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000006251 6596 270.8 UdeM00000006251 XP_045193101.1 51.2 412
191 4 1 403 32 442 2.80E-69 270.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006252 6596 216.9 UdeM00000006252 XP_045188761.1 27.1 767
457 17 1 711 3 723 1.30E-52 216.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006253 6565 718.4 UdeM00000006253 XP_022327386.1 54.1 712
318 4 6 710 1 710 9.10E-204 718.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006254 6596 448 UdeM00000006254 XP_045184233.1 69.5 305
92 1 1 305 1 304 9.90E-123 448 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006255 6565 560.5 UdeM00000006255 XP_022326759.1 51 623
274 9 6 611 4 612 3.10E-156 560.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006256 6565 638.3 UdeM00000006256 XP_022326759.1 50.9 719
314 11 6 699 4 708 1.20E-179 638.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006257 6596 397.5 UdeM00000006257 XP_045213671.1 46.5 400
204 1 18 407 12 411 2.00E-107 397.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006258 286706 144.8 UdeM00000006258 XP_014281393.1 91.8
73 6 0 1 73 1 73 4.30E-32 144.8 286706
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Prosorrhyncha;Heteroptera;Euheteroptera;Neoheteroptera;Panheteroptera;Pentatomomorpha;Pentatomoidea;Pentatomidae;Pentatominae;Halyomorpha;Halyomorpha halys

UdeM00000006259 6596 153.7 UdeM00000006259 XP_045191302.1 29.8 493
235 12 44 461 526 982 5.80E-34 153.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006261 400727 83.6 UdeM00000006261 XP_025112735.1 34.9
129 81 2 2 130 39 164 2.60E-13 83.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000006263 6596 571.6 UdeM00000006263 XP_045193418.1 84.8 330
50 0 1 330 1 330 6.50E-160 571.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006264 6596 852 UdeM00000006264 XP_045193418.1 72.7 568
155 0 1 568 1 568 4.20E-244 852 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006265 6596 266.2 UdeM00000006265 XP_045206378.1 61.2 219
77 3 1 218 742 953 3.80E-68 266.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006266 6596 594 UdeM00000006266 XP_045206378.1 46.8 744
283 14 6 657 9 731 2.40E-166 594 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006268 6579 176.8 UdeM00000006268 XP_033741736.1 52.6 171
79 1 1 169 671 841 2.50E-41 176.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006269 6596 110.5 UdeM00000006269 XP_045198381.1 71.6 67
 19 0 16 82 87 153 1.00E-21 110.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006270 6596 94.4 UdeM00000006270 XP_045198381.1 50 86
 41 1 1 86 1 84 7.80E-17 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006271 6596 294.3 UdeM00000006271 XP_045198447.1 28.6 773
 497 16 61 795 30 785 6.90E-76 294.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006272 260995 79.7 UdeM00000006272 XP_033812940.1 50
 74 36 1 1 74 1 73 1.80E-12 79.7 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
 e;Geotrypetes;Geotrypetes seraphini

UdeM00000006273 1415580 550.4 UdeM00000006273 XP_030075314.1 54.4
 517 217 3 1 514 125 625 2.40E-153 550.4 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor

UdeM00000006274 6596 1143.6 UdeM00000006274 XP_045204185.1 74.7
 739 186 1 24 761 22 760 0.00E+00 1143.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006278 133434 80.1 UdeM00000006278 XP_022107082.1 37
 146 81 3 39 173 231 376 3.10E-12 80.1 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci

UdeM00000006279 6596 408.7 UdeM00000006279 XP_045189790.1 43.9 444
 243 2 7 450 26 463 1.00E-110 408.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006280 6596 851.3 UdeM00000006280 XP_045173950.1 72.4 606
 137 8 1 597 60 644 7.50E-244 851.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006281 6565 75.9 UdeM00000006281 XP_022320976.1 48.8 80
37 2 5 81 3 81 3.50E-11 75.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM000000040683 6596 281.6 UdeM000000040683 XP_045170697.1 41.8 335
192 3 33 365 30 363 2.20E-72 281.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000040684 6596 255.4 UdeM000000040684 XP_045170697.1 41.7 307
176 3 16 320 58 363 1.60E-64 255.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000040685 6596 443 UdeM000000040685 XP_045171608.1 52.6 865
323 14 1 790 1 853 8.20E-121 443 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000040686 29159 491.9 UdeM000000040686 XP_034299000.1 73.2 328
86 1 1 328 1 326 6.60E-136 491.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM000000040687 6596 193 UdeM000000040687 XP_045173451.1 39.9 253
145 5 8 255 7 257 4.80E-46 193 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000040690 6596 242.3 UdeM000000040690 XP_045177776.1 28.5 561
308 11 392 887 602 1134 2.80E-60 242.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000040691 6596 310.8 UdeM000000040691 XP_045172151.1 59.7 253
99 2 6 256 3 254 1.60E-81 310.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000040692 390379 70.9 UdeM000000040692 XP_034039899.1 45.2
62 33 1 3 63 1 62 9.00E-10 70.9 390379

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Batrachoidaria;Batrachoidiformes;Batrachoididae;Thalassophyrinae;Thalassophryne;Thalassophryne amazonica

UdeM00000040693 8078 193.7 UdeM00000040693 XP_035994673.1 44.9 234
60 2 1 165 196 429 1.80E-46 193.7 8078 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus

heteroclitus

UdeM00000040694 6579 108.2 UdeM00000040694 XP_033747958.1 60.3 73
29 0 1 73 87 159 4.50E-21 108.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040695 1735272 201.1 UdeM00000040695 XP_041348968.1 65
180 61 2 19 198 23 200 1.40E-48 201.1 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040697 6596 599.7 UdeM00000040697 XP_045170732.1 44.5 620
313 8 17 625 32 631 4.50E-168 599.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040698 6596 101.7 UdeM00000040698 XP_045200489.1 41.7 132
59 4 32 145 43 174 8.40E-19 101.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040699 29159 675.2 UdeM00000040699 XP_011433620.2 82.5 383
67 0 1 383 1 383 4.80E-191 675.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040700 6579 181.8 UdeM00000040700 XP_033747205.1 65.9 135
46 0 21 155 6 140 6.70E-43 181.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040701 6579 603.6 UdeM00000040701 XP_033747206.1 58.4 546
171 7 1 502 1 534 3.10E-169 603.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040703 6596 969.5 UdeM00000040703 XP_045173277.1 60.5 1093
372 21 27 1089 42 1104 3.50E-279 969.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040704 400727 671.4 UdeM00000040704 XP_025093011.1 52.7
628 273 6 1 608 1 624 1.10E-189 671.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000040705 1735272 468.4 UdeM00000040705 XP_041347879.1 51.9
447 207 4 18 461 21 462 1.10E-128 468.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040706 6596 92 UdeM00000040706 XP_045171333.1 50.5 97
46 1 1 95 1 97 5.00E-16 92 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040707 1735272 283.5 UdeM00000040707 XP_041348750.1 30.9
547 360 5 25 568 5 536 6.00E-73 283.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040710 6565 449.5 UdeM00000040710 XP_022337657.1 67.9 312
97 1 1 309 1 312 3.40E-123 449.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040711 6596 864 UdeM00000040711 XP_045172318.1 26.2 3231
1721 96 119 2974 2 2945 5.80E-247 864 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040712 6565 132.5 UdeM00000040712 XP_022344957.1 36.1 238
141 7 74 304 2797 3030 1.60E-27 132.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040713 6573 316.6 UdeM00000040713 XP_021364772.1 51.8 274
130 1 5 276 3 276 3.10E-83 316.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040715 29159 253.4 UdeM00000040715 XP_034336072.1 30.1 562
317 14 10 522 627 1161 6.60E-64 253.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040716 6573 89.4 UdeM00000040716 XP_021364755.1 28.2 255
 128 8 474 724 2559 2762 4.80E-14 89.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040717 6596 156 UdeM00000040717 XP_045200489.1 55.1 138
 55 3 43 173 31 168 4.50E-35 156 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040718 6596 110.9 UdeM00000040718 XP_045173917.1 48.8 123
 57 2 11 133 583 699 1.50E-21 110.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040719 6596 128.3 UdeM00000040719 XP_045200489.1 47 134
 63 4 1 127 41 173 7.20E-27 128.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040720 6596 714.5 UdeM00000040720 XP_045173922.1 44.8 912
 442 12 21 924 42 900 1.80E-20 714.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040721 6596 245.7 UdeM00000040721 XP_045173917.1 46.7 306
 148 7 9 311 920 1213 7.70E-62 245.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040722 6596 384 UdeM00000040722 XP_045172029.1 56.4 337
 141 3 5 338 21 354 2.00E-103 384 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040723 6565 77.4 UdeM00000040723 XP_022343476.1 42 100
 58 0 16 115 10 109 1.30E-11 77.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040724 6573 317.8 UdeM00000040724 XP_021346354.1 50.5 319
 147 1 1 319 1 308 1.60E-83 317.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040725 6573 331.6 UdeM00000040725 XP_021346359.1 56.1 269
 115 2 2 267 3 271 9.30E-88 331.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000040726 6573 332.8 UdeM00000040726 XP_021346359.1 57.8 270
 109 3 2 266 3 272 4.20E-88 332.8 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000040727 6500 140.6 UdeM00000040727 XP_035825362.1 44.3 192
 79 3 10 177 45 232 1.90E-30 140.6 6500 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica
 UdeM00000040728 6573 146.7 UdeM00000040728 XP_021346355.1 40.4 267
 142 3 957 1214 1343 1601 1.90E-31 146.7 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000042679 37621 406.8 UdeM00000042679 XP_014672567.1 45.8 421
 212 5 1 408 101 518 3.70E-110 406.8 37621 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus
 UdeM00000042678 7668 600.1 UdeM00000042678 XP_003729577.2 39.4 867
 478 16 89 923 65 916 4.70E-168 600.1 7668 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea; Camarodonta; Echinidea; Strongylocentrotidae; Strongylocentrotus; Strongylocentrotus purpuratus
 UdeM00000016481 6596 1134 UdeM00000016481 XP_045170325.1 60.2 1085
 386 20 78 1147 1253 2306 0.00E+00 1134 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000016482 6596 2527.3 UdeM00000016482 XP_045170325.1 73.3
 1744 424 11 18 1739 2316 4039 0.00E+00 2527.3 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000016483 6596 1762.3 UdeM00000016483 XP_045170325.1 75.3
 1226 265 11 3 1192 4063 5286 0.00E+00 1762.3 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000016484 6596 188.7 UdeM00000016484 XP_045170325.1 89.9 89
 9 0 1 89 5198 5286 3.20E-45 188.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016485 6596 409.8 UdeM00000016485 XP_045170336.1 59.5 351
 125 6 1 344 1 341 3.40E-111 409.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016488 6579 238 UdeM00000016488 XP_033735671.1 66.1 168
 57 0 4 171 1 168 8.90E-60 238 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016490 6579 238.4 UdeM00000016490 XP_033735671.1 66.7 168
 56 0 4 171 1 168 6.80E-60 238.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016491 6579 237.3 UdeM00000016491 XP_033735671.1 66.1 168
 57 0 4 171 1 168 1.50E-59 237.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016493 6579 238.4 UdeM00000016493 XP_033735671.1 66.7 168
 56 0 4 171 1 168 6.80E-60 238.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016494 6526 163.3 UdeM00000016494 XP_013090201.1 67.3 104
 34 0 1 104 1 104 1.80E-37 163.3 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000016496 6596 236.1 UdeM00000016496 XP_045179769.1 30.5 658
 315 18 1 588 1 586 1.10E-58 236.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016497 6596 518.1 UdeM00000016497 XP_045191538.1 53.9 427
 194 2 1 424 1 427 1.10E-143 518.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016498 6596 248.8 UdeM00000016498 XP_045178270.1 38 416
 202 8 5 392 18 405 1.10E-62 248.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016499 6596 411.8 UdeM00000016499 XP_045178290.1 71.8 316
 85 4 1 312 1 316 8.00E-112 411.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016500 6596 212.2 UdeM00000016500 XP_045180923.1 96 101
4 0 1 101 33 133 3.00E-52 212.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016502 6596 476.5 UdeM00000016502 XP_045160236.1 70 353
100 2 3 353 2 350 3.00E-131 476.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016503 29159 228.8 UdeM00000016503 XP_011443022.2 68.7 163
48 2 8 170 4 163 5.30E-57 228.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016504 7111 92.4 UdeM00000016504 XP_026725554.1 65.6 61
21 0 14 74 6 66 2.60E-16 92.4 7111 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;Noctuidae;Plusiinae;Trichoplusia;Trichoplusia ni

UdeM00000016505 6565 617.1 UdeM00000016505 XP_022331011.1 77.2 377
85 1 1 376 1 377 1.60E-173 617.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016506 6565 617.5 UdeM00000016506 XP_022331011.1 77.2 377
85 1 1 376 1 377 1.20E-173 617.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016507 6596 391 UdeM00000016507 XP_045172223.1 57.1 338
132 4 10 337 5 339 1.60E-105 391 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016508 6596 390.6 UdeM00000016508 XP_045172223.1 57.1 338
132 4 7 334 5 339 2.00E-105 390.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016509 6596 180.6 UdeM00000016509 XP_045172257.1 71.1 114
33 0 77 190 326 439 1.80E-42 180.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016510 29159 380.6 UdeM00000016510 XP_011424536.2 79.5 220
 45 0 39 258 31 250 2.60E-102 380.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016511 6596 281.2 UdeM00000016511 XP_045172245.1 77.6 170
 35 1 1 170 1 167 9.80E-73 281.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016513 8236 142.9 UdeM00000016513 XP_044216249.1 40.2 214
 109 6 5 214 6 204 4.90E-31 142.9 8236 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombr
 idae;Scombrinae;Thunnini;Thunnus;Thunnus albacares
 UdeM00000016514 7604 90.9 UdeM00000016514 XP_033641610.1 42.1 121
 68 2 8 126 160 280 1.30E-15 90.9 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asterias;Asterias rubens
 UdeM00000016515 1250792 92.4 UdeM00000016515 XP_041861569.1 54.8
 73 33 0 2 74 595 667 2.60E-16 92.4 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
 eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani
 UdeM00000016516 1203425 138.3 UdeM00000016516 XP_034535258.1 59.5
 111 45 0 11 121 11 121 6.60E-30 138.3 1203425
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae
 ;Notolabrus;Notolabrus celidotus
 UdeM00000016519 6596 372.5 UdeM00000016519 XP_045187851.1 44.8 502
 232 10 18 479 17 513 8.20E-100 372.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016521 6596 804.3 UdeM00000016521 XP_045186725.1 81.5 525
 91 1 11 535 8 526 9.50E-230 804.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016522 61221 77.4 UdeM00000016522 XP_044292161.1 47.8 92
 46 1 1 90 1 92 1.30E-11 77.4 61221 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Anguimorpha;P
 aleoanguimorpha;Varanoidea;Varanidae;Varanus;Varanus komodoensis
 UdeM00000016523 1735272 728.8 UdeM00000016523 XP_041353387.1 43.1
 972 509 11 1 969 1 931 1.10E-206 728.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016524 6565 177.6 UdeM00000016524 XP_022299727.1 45.5 200
 107 1 1 198 46 245 1.60E-41 177.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016525 6596 469.2 UdeM00000016525 XP_045186711.1 54.3 411
 188 0 9 419 901 1311 5.60E-129 469.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016527 225164 433.3 UdeM00000016527 XP_009057374.1 61.7
 321 123 0 10 330 4 324 2.70E-118 433.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000016528 29159 1125.2 UdeM00000016528 XP_011443426.2 51
 1148 528 15 1 1132 1 1129 0.00E+00 1125.2
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016529 400727 669.5 UdeM00000016529 XP_025104142.1 54.6
 643 272 6 2 641 16 641 4.40E-189 669.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000016530 7906 152.9 UdeM00000016530 XP_033861987.2 51.4 142
 69 0 13 154 629 770 3.30E-34 152.9 7906 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipen
 seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus
 UdeM00000016531 6596 79.7 UdeM00000016531 XP_045197645.1 50 72
 35 1 1 71 46 117 3.30E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016533 6596 108.6 UdeM00000016533 XP_045181327.1 58.7 104
 35 2 1 104 1 96 5.30E-21 108.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016534 6596 1784.2 UdeM00000016534 XP_045181400.1 57
 1884 639 37 10 1804 143 1943 0.00E+00 1784.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016535 6596 1765 UdeM00000016535 XP_045181400.1 56.8 1883
 621 38 10 1781 143 1943 0.00E+00 1765 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016536 6579 618.6 UdeM00000016536 XP_033734614.1 68.5 409
 129 0 1 409 1 409 5.70E-174 618.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016537 6573 197.6 UdeM00000016537 XP_021340873.1 69.7 165
 44 3 1 161 1 163 1.30E-47 197.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016538 6573 199.5 UdeM00000016538 XP_021340875.1 77.6 143
 30 2 1 143 1 141 2.90E-48 199.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016539 6565 666.4 UdeM00000016539 XP_022329527.1 61.6 513
 192 3 58 570 75 582 3.30E-188 666.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016541 29159 118.2 UdeM00000016541 XP_034325306.1 47.4 133
 56 4 1 130 12 133 7.70E-24 118.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016542 6573 204.9 UdeM00000016542 XP_021340248.1 63.3 158
 58 0 1 158 1 158 7.70E-50 204.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016544 185453 167.9 UdeM00000016544 XP_006835429.1 59
 139 57 0 1 139 1 139 9.20E-39 167.9 185453
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc

opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Afrotheria;Chrysochloridae;Chrysochlorinae;Chrysochloris;Chrysochloris
asiatica

UdeM00000016545	6596	1134.8		UdeM00000016545	XP_045179894.1	65.2			
960	164	12	1	955	1	795	0.00E+00	1134.8	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033976	6596	213		UdeM00000033976	XP_045196404.1	38.4	294		
164	5	167	447	500	789	7.80E-52	213	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033977	1234273		78.6	UdeM00000033977	XP_027000537.1	31.2			
112	77	0	76	187	70	181	1.60E-11	78.6	1234273

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
ei;Bagridae;Tachysurus;Tachysurus fulvidraco

UdeM00000033978	1234273		81.6	UdeM00000033978	XP_027000537.1	32.2			
118	78	1	76	193	70	185	1.20E-12	81.6	1234273

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
ei;Bagridae;Tachysurus;Tachysurus fulvidraco

UdeM00000033979	45264	182.6		UdeM00000033979	XP_044184028.1	51.8	195		
89	3	42	235	68	258	6.60E-43	182.6	45264	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000033980	6596	208.4		UdeM00000033980	XP_045196404.1	39.2	273		
160	3	343	609	517	789	2.60E-50	208.4	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033982	6596	209.5		UdeM00000033982	XP_045186528.1	36.9	306		
157	5	167	460	380	661	8.90E-51	209.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033983	225164		77	UdeM00000033983	XP_009050595.1	43.4			
76	43	0	9	84	84	159	5.60E-11	77	225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000033984 6573 73.9 UdeM00000033984 XP_021365162.1 40.5 74
43 1 15 88 555 627 5.60E-10 73.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033985 6596 247.3 UdeM00000033985 XP_045196404.1 30.4 480
231 7 316 785 403 789 6.50E-62 247.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033990 6596 118.2 UdeM00000033990 XP_045198980.1 23 716
477 26 18 697 8 685 4.20E-23 118.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033992 6573 151.4 UdeM00000033992 XP_021346787.1 48.8 164
81 1 7 170 46 206 1.10E-33 151.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033993 6573 181.4 UdeM00000033993 XP_021349185.1 50.9 232
98 6 26 249 14 237 1.40E-42 181.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033994 6596 166.8 UdeM00000033994 XP_045196496.1 29.3 692
396 13 49 724 55 669 1.00E-37 166.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033995 1735272 432.6 UdeM00000033995 XP_041351670.1 58.5
354 143 2 22 375 20 369 5.30E-118 432.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033996 6596 2197.9 UdeM00000033996 XP_045198695.1 46.4
2611 1135 21 1 2371 1 2587 0.00E+00 2197.9 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033997 6596 279.6 UdeM00000033997 XP_045198695.1 50 310
150 2 2 310 2641 2946 4.80E-72 279.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033998 6596 653.3 UdeM00000033998 XP_045197975.1 39 1052
 611 18 283 1325 960 1989 7.20E-184 653.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034000 6596 107.1 UdeM00000034000 XP_045181920.1 52.7 110
 42 3 1 102 55 162 2.30E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034001 37621 92.4 UdeM00000034001 XP_014676916.1 27.8 205
 77 3 11 147 195 396 5.10E-16 92.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus

UdeM00000034002 481459 255.4 UdeM00000034002 XP_040031014.1 34.9
 395 234 6 23 410 75 453 1.30E-64 255.4 481459
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioid
 ei;Gasterosteales;Gasterosteidae;Gasterosteus;Gasterosteus
 aculeatus;Gasterosteus aculeatus aculeatus

UdeM00000034006 6596 588.6 UdeM00000034006 XP_045197975.1 39.1 932
 538 17 184 1105 1078 1989 1.80E-164 588.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000044407 108931 183 UdeM00000044407 XP_039295486.1 41.4
 249 131 8 1 241 48 289 4.70E-43 183 108931
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Auchenorrhyncha;
 Fulgoromorpha;Fulgoroidea;Delphacidae;Delphacinae;Nilaparvata;Nilaparvata
 lugens

UdeM00000026176 6596 828.9 UdeM00000026176 XP_045173003.1 65.2 610
 119 4 4 581 69 617 4.10E-237 828.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026179 6596 345.5 UdeM00000026179 XP_045213471.1 69.6 247
 71 2 1 243 1 247 5.50E-92 345.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026180 6565 76.3 UdeM00000026180 XP_022337731.1 50.6 83
 40 1 77 159 128 209 4.10E-11 76.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026181 6579 329.7 UdeM00000026181 XP_033728194.1 38.1 546
 277 13 158 662 124 649 8.50E-87 329.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026182 6565 492.3 UdeM00000026182 XP_022297037.1 50 534
 238 6 6 532 11 522 8.00E-136 492.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026183 6596 419.5 UdeM00000026183 XP_045212349.1 44.7 570
 155 5 147 686 230 669 8.40E-114 419.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026184 6596 218.4 UdeM00000026184 XP_045210631.1 53 198
 87 2 1 193 6 202 8.40E-54 218.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026185 6596 448 UdeM00000026185 XP_045210631.1 51.9 449
 183 7 1 426 6 444 2.20E-122 448 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026185 6596 447.6 UdeM00000026185 XP_045210631.1 40.9 694
 248 15 1 671 6 560 2.80E-122 447.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026186 1735272 124.4 UdeM00000026186 XP_041360711.1 33.7
 196 117 3 5 198 6 190 1.80E-25 124.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026187 6596 589.3 UdeM00000026187 XP_045210631.1 53.4 683
 235 9 113 728 661 1327 6.50E-165 589.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026188 38358 78.2 UdeM00000026188 XP_037028175.1 40.7 113
 59 2 41 148 41 150 1.00E-11 78.2 38358 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Diptera; Nematocera; Bibionomorpha; Sciaroidea; Sciaridae; Bradysia; Bradysia coprophila

UdeM00000026189 6573 240 UdeM00000026189 XP_021375710.1 73.9 157
40 1 1 156 18 174 2.50E-60 240 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000026190 1735272 514.6 UdeM00000026190 XP_041363020.1 74.4
336 85 1 30 364 135 470 1.10E-142 514.6 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000026191 1735272 486.9 UdeM00000026191 XP_041363020.1 44.8
609 240 11 17 613 486 1010 3.80E-134 486.9 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000026192 6596 211.5 UdeM00000026192 XP_045214529.1 80 125
25 0 1 125 1 125 6.40E-52 211.5 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026193 6596 869.8 UdeM00000026193 XP_045214525.1 57.2 806
306 12 2 783 8 798 2.70E-249 869.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026194 6596 449.1 UdeM00000026194 XP_045210993.1 47.6 534
248 6 23 551 388 894 8.10E-123 449.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026195 6596 442.6 UdeM00000026195 XP_045210993.1 48.4 502
231 4 2 499 388 865 6.80E-121 442.6 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026196 6596 259.2 UdeM00000026196 XP_045210993.1 43.2 405
122 9 1 313 1 389 1.10E-65 259.2 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026197 6573 1168.7 UdeM00000026197 XP_021370544.1 85.2
674 93 3 1 667 1 674 0.00E+00 1168.7 6573
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026198 6573 1169.5 UdeM00000026198 XP_021370544.1 84.4
681 99 3 1 674 1 681 0.00E+00 1169.5 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026199 6579 236.1 UdeM00000026199 XP_033738286.1 81.7 131
24 0 34 164 677 807 3.20E-59 236.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026200 225164 419.5 UdeM00000026200 XP_009065179.1 42.3
478 262 5 28 496 9 481 6.10E-114 419.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000026201 6579 418.3 UdeM00000026201 XP_033743634.1 41.6 488
279 4 14 500 4 486 1.40E-113 418.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026202 6500 90.5 UdeM00000026202 XP_005104231.2 43 107
57 3 15 120 24 127 1.60E-15 90.5 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000026203 6573 340.9 UdeM00000026203 XP_021367081.1 43.5 384
211 3 8 390 108 486 2.20E-90 340.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026204 6573 431 UdeM00000026204 XP_021367081.1 43.8 482
265 4 20 500 10 486 2.00E-117 431 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026205 6573 429.1 UdeM00000026205 XP_021367081.1 43.2 482
268 4 19 499 10 486 7.70E-117 429.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026206 6579 431.8 UdeM00000026206 XP_033743634.1 42.6 488
274 4 14 500 4 486 1.20E-117 431.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026207 6573 441 UdeM00000026207 XP_021367081.1 45.2 482
258 4 20 500 10 486 2.00E-120 441 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026208 6573 365.9 UdeM00000026208 XP_021367081.1 46.5 383
 201 2 11 393 108 486 6.30E-98 365.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026209 7604 319.7 UdeM00000026209 XP_033628145.1 47.5 339
 162 7 6 338 3 331 4.50E-84 319.7 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea
 UdeM00000026210 1735272 362.8 UdeM00000026210 XP_041362608.1 46.9
 414 155 6 1 398 1 365 6.10E-97 362.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026211 6573 283.9 UdeM00000026211 XP_021357469.1 67.9 209
 66 1 1 209 1 208 1.90E-73 283.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026212 6573 216.5 UdeM00000026212 XP_021357469.1 67.3 162
 52 1 1 162 48 208 3.10E-53 216.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026213 400727 183 UdeM00000026213 XP_025091667.1 62.9
 178 63 3 17 193 19 194 3.70E-43 183 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000026214 6596 177.9 UdeM00000026214 XP_045211721.1 56.2 169
 73 1 1 169 1 168 1.10E-41 177.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026215 6596 468.4 UdeM00000026215 XP_045211819.1 88.1 260
 31 0 1 260 1 260 6.00E-129 468.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026216 1735272 151.8 UdeM00000026216 XP_041363976.1 57.4
 155 63 1 9 163 101 252 8.20E-34 151.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026217 6573 460.7 UdeM00000026217 XP_021348923.1 70.7 311
 90 1 50 359 231 541 1.70E-126 460.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000026218 6565 481.1 UdeM00000026218 XP_022316906.1 80.5 440
65 4 1 427 7 438 1.70E-132 481.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000026219 6565 437.2 UdeM00000026219 XP_022317262.1 95.8 216
9 0 1 216 1 216 1.20E-119 437.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000026220 37653 430.6 UdeM00000026220 XP_014771012.1 91.4 222
19 0 1 222 1 222 1.20E-117 430.6 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct
opoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000026221 7739 480.7 UdeM00000026221 XP_035668787.1 59.8 371
147 2 37 406 58 427 1.80E-132 480.7 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
anchiostoma; Branchiostoma floridae
UdeM00000026222 6565 486.9 UdeM00000026222 XP_022321102.1 60.7 374
147 0 33 406 33 406 2.60E-134 486.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000026223 7741 469.9 UdeM00000026223 XP_019635464.1 56.8 380
160 3 25 403 44 420 3.20E-129 469.9 7741 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
anchiostoma; Branchiostoma belcheri
UdeM00000026224 7739 470.3 UdeM00000026224 XP_035668787.1 56.8 375
157 2 34 408 60 429 2.50E-129 470.3 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
anchiostoma; Branchiostoma floridae
UdeM00000026225 133434 240.7 UdeM00000026225 XP_022086624.1 98.4
128 2 0 1 128 1 128 1.00E-60 240.7 133434
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; Ac
anthasteridae; Acanthaster; Acanthaster planci
UdeM00000026226 6596 194.9 UdeM00000026226 XP_045212179.1 48.5 204
95 3 10 210 7 203 1.10E-46 194.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000026230 8364 127.9 UdeM00000026230 XP_031750186.1 53.2 109
51 0 44 152 181 289 1.20E-26 127.9 8364 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc

opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoidea;Pipidae;Xenopodinae;Xenopus;Silurana;Xenopus tropicalis
 UdeM00000026231 225164 290 UdeM00000026231 XP_009045306.1 36.8
 448 264 9 126 562 3 442 6.90E-75 290 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
 UdeM00000026232 225164 289.7 UdeM00000026232 XP_009045306.1 36.8
 448 264 9 131 567 3 442 9.00E-75 289.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
 UdeM00000026233 225164 84.3 UdeM00000026233 XP_009045306.1 24.8
 302 161 12 36 327 3 248 3.10E-13 84.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
 UdeM00000026234 6565 159.8 UdeM00000026234 XP_022328252.1 44.5 211
 99 5 1 193 1105 1315 3.40E-36 159.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026236 6596 373.2 UdeM00000026236 XP_045208460.1 51.7 360
 166 3 23 381 21 373 3.80E-100 373.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026237 133434 120.2 UdeM00000026237 XP_022111697.1 63.6
 88 32 0 168 255 134 221 3.90E-24 120.2 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci
 UdeM00000026238 6596 699.5 UdeM00000026238 XP_045210868.1 59.7 653
 222 6 1 636 623 1251 3.90E-198 699.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026239 6596 546.2 UdeM00000026239 XP_045210868.1 70.2 363
 108 0 11 373 618 980 3.20E-152 546.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026240 6596 407.9 UdeM00000026240 XP_045210868.1 70.7 273
 80 0 1 273 708 980 1.00E-110 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026241 6596 697.2 UdeM00000026241 XP_045210868.1 57.3 637
 208 4 11 584 618 1253 1.80E-197 697.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026242 6596 592.4 UdeM00000026242 XP_045210868.1 55.9 571
 188 4 15 522 684 1253 5.50E-166 592.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026243 6596 694.1 UdeM00000026243 XP_045210868.1 50.2 699
 265 6 25 651 1276 1963 1.70E-196 694.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026244 6596 409.1 UdeM00000026244 XP_045213758.1 62.1 285
 93 1 9 278 37 321 4.60E-111 409.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026245 6596 222.2 UdeM00000026245 XP_045213758.1 66.7 150
 47 1 72 221 123 269 6.40E-55 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026247 6596 419.9 UdeM00000026247 XP_045213758.1 60.9 317
 118 3 290 600 5 321 5.60E-114 419.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026248 6596 400.6 UdeM00000026248 XP_045214883.1 63.1 279
 103 0 1 279 1 279 1.60E-108 400.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026249 6596 383.6 UdeM00000026249 XP_045213758.1 60.8 283
 107 1 5 287 45 323 2.10E-103 383.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026250 6596 379 UdeM00000026250 XP_045213758.1 60.1 283
 109 1 5 287 45 323 5.30E-102 379 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026251 6596 383.6 UdeM00000026251 XP_045213758.1 60.8 283
 107 1 5 287 45 323 2.10E-103 383.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026252 6596 379 UdeM00000026252 XP_045213758.1 60.1 283
 109 1 5 287 45 323 5.30E-102 379 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026253 6596 379 UdeM00000026253 XP_045213758.1 62.6 265
 95 1 12 276 63 323 5.10E-102 379 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026254 6596 330.5 UdeM00000026254 XP_045213758.1 53.4 283
 128 1 5 287 45 323 2.10E-87 330.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026255 6573 398.3 UdeM00000026255 XP_021354794.1 90.6 202
 18 1 1 202 1 201 5.90E-108 398.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026256 1735272 330.5 UdeM00000026256 XP_041363581.1 59.9
 247 99 0 39 285 33 279 2.20E-87 330.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026257 6596 775 UdeM00000026257 XP_045214682.1 73.9 525
 127 1 1 515 1 525 5.90E-221 775 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026258 1735272 550.8 UdeM00000026258 XP_041362667.1 56.3
 549 201 12 1 536 1 523 1.90E-153 550.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026259 6596 388.3 UdeM00000026259 XP_045214577.1 73.5 238
 63 0 1 238 1 238 7.30E-105 388.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026260 6596 429.9 UdeM00000026260 XP_045214573.1 62.1 464
 146 3 10 462 13 457 4.20E-117 429.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026261 6596 903.7 UdeM00000026261 XP_045214592.1 48.7 1162
 416 27 23 1149 21 1037 2.50E-259 903.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026262 6596 555.1 UdeM00000026262 XP_045211466.1 73.2 351
 94 0 3 353 7 357 6.60E-155 555.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026265 6579 62.8 UdeM00000026265 XP_033752164.1 32.1 140
 72 4 1 124 326 458 3.70E-07 62.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026264 6579 86.7 UdeM00000026264 XP_033730826.1 31.2 170
 92 4 1 156 206 364 2.90E-14 86.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026263 6579 206.5 UdeM00000026263 XP_033752164.1 38.9 321
 167 7 17 317 147 458 5.20E-50 206.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026266 46514 95.1 UdeM00000026266 XP_038055161.1 42.5 127
 67 2 28 149 45 170 1.80E-16 95.1 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000026267 6573 146.7 UdeM00000026267 XP_021357146.1 61.9 113
 43 0 1 113 250 362 3.00E-32 146.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026268 6565 133.7 UdeM00000026268 XP_022299727.1 50 134
 66 1 29 162 145 277 2.50E-28 133.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026269 6596 852.4 UdeM00000026269 XP_045213008.1 68.3 637
 194 4 6 636 3 637 4.00E-244 852.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026270 6579 289.7 UdeM00000026270 XP_033749429.1 77.2 184
 42 0 3 186 2 185 3.40E-75 289.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026271 6596 531.2 UdeM00000026271 XP_045213007.1 60.8 451
 170 2 1 449 214 659 1.40E-147 531.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026272 6596 852.8 UdeM00000026272 XP_045213007.1 64.1 691
 238 5 6 689 17 704 4.90E-244 852.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026273 6596 674.5 UdeM00000026273 XP_045211966.1 84.8 376
 56 1 4 378 3 378 8.00E-191 674.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026275 6596 287.3 UdeM00000026275 XP_045211584.1 41 361
 196 4 1 360 78 422 2.70E-74 287.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026274 6596 371.3 UdeM00000026274 XP_045211584.1 43.5 425
 223 4 9 432 14 422 1.70E-99 371.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026276 6596 246.5 UdeM00000026276 XP_045211478.1 52.5 257
 108 3 4 246 2 258 3.80E-62 246.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026277 6596 216.9 UdeM00000026277 XP_045211478.1 56.6 196
 75 1 8 193 52 247 2.30E-53 216.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026278 6596 179.5 UdeM00000026278 XP_045211478.1 42.9 240
 85 3 20 207 27 266 4.70E-42 179.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026279 6596 658.7 UdeM00000026279 XP_045211966.1 83.6 371
 60 1 35 404 8 378 4.80E-186 658.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026280 6596 175.6 UdeM00000026280 XP_045211478.1 55.6 160
 61 2 2 151 99 258 5.30E-41 175.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026281 6565 92.4 UdeM00000026281 XP_022314459.1 60.5 81
 30 1 4 84 2 80 2.90E-16 92.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026282 6596 245.4 UdeM00000026282 XP_045211478.1 56.2 224
 88 1 5 218 24 247 6.90E-62 245.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026283 6596 250 UdeM00000026283 XP_045211478.1 54.6 240
 98 2 20 248 27 266 3.30E-63 250 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026284 6596 279.6 UdeM00000026284 XP_045211478.1 57.2 257
 96 2 4 246 2 258 3.80E-72 279.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026285 6596 290 UdeM00000026285 XP_045211478.1 58.6 261
 94 2 4 250 2 262 2.80E-75 290 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026286 6596 596.7 UdeM00000026286 XP_045212862.1 87.5 313
 39 0 5 317 6 318 1.80E-167 596.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026287 1735272 325.9 UdeM00000026287 XP_041363365.1 82.7
 179 31 0 74 252 136 314 4.70E-86 325.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026288 1735272 325.9 UdeM00000026288 XP_041363365.1 82.7
179 31 0 74 252 136 314 4.70E-86 325.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026290 29159 73.9 UdeM00000026290 XP_034312815.1 27.5 178
114 7 2 165 21 197 1.90E-09 73.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026291 41117 127.1 UdeM00000026291 XP_037070315.1 69.1 81
25 0 95 175 84 164 2.20E-26 127.1 41117 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Thecostraca;Cirripectida;Thoracica;Pedunculata;Scal
pellomorpha;Pollicipedidae;Pollicipes;Pollicipes pollicipes
UdeM00000026292 6596 573.9 UdeM00000026292 XP_045214260.1 51.3 686
279 11 1 666 1 651 2.60E-160 573.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026293 6596 161 UdeM00000026293 XP_045214261.1 66.7 120
39 1 1 120 4 122 9.50E-37 161 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026294 6596 249.6 UdeM00000026294 XP_045211122.1 42.4 269
144 3 52 320 43 300 5.40E-63 249.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026295 6596 97.1 UdeM00000026295 XP_045211122.1 47.9 94
45 3 45 135 39 131 2.00E-17 97.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026296 6596 1116.7 UdeM00000026296 XP_045212294.1 43.1
1328 649 25 42 1310 27 1306 0.00E+00 1116.7 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026297 45264 87 UdeM00000026297 XP_044165524.1 50 80
40 0 35 114 90 169 1.90E-14 87 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000026298 7654 1800.4 UdeM00000026298 XP_041481081.1 44.4
 2429 1026 58 14 2386 116 2275 0.00E+00 1800.4 7654
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000026299 6596 340.5 UdeM00000026299 XP_045212294.1 37.6 519
 254 13 9 507 6 474 3.70E-90 340.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026300 29159 104 UdeM00000026300 XP_011445221.2 50 96
 43 1 285 380 159 249 4.40E-19 104 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026301 7574 200.3 UdeM00000026301 XP_013414884.1 59.3 172
 69 1 1 172 24 194 2.00E-48 200.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000026304 6579 109.4 UdeM00000026304 XP_033735087.1 45.3 137
 68 4 6 136 41 176 3.80E-21 109.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026303 400727 120.6 UdeM00000026303 XP_025101913.1 31.7
 341 193 13 4 322 186 508 3.90E-24 120.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000026305 6565 354.4 UdeM00000026305 XP_022317236.1 63.1 268
 94 2 7 274 8 270 1.30E-94 354.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026306 6573 86.3 UdeM00000026306 XP_021346645.1 44.4 108
 59 1 1 107 1 108 5.70E-14 86.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026308 37653 124 UdeM00000026308 XP_014779377.1 53.5 114
 53 0 3 116 308 421 5.00E-25 124 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000026309 6573 325.9 UdeM00000026309 XP_021342914.1 63.4 235
 86 0 5 239 31 265 6.80E-86 325.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026310 400727 165.2 UdeM00000026310 XP_025096194.1 62.4
117 44 0 2 118 81 197 5.20E-38 165.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000026311 6579 68.2 UdeM00000026311 XP_033737792.1 53.7 54
25 0 22 75 25 78 6.70E-09 68.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026312 6596 224.6 UdeM00000026312 XP_045211217.1 58.5 171
64 2 18 186 20 185 1.10E-55 224.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000026313 6596 253.4 UdeM00000026313 XP_045214070.1 65.5 194
64 2 11 201 351 544 3.10E-64 253.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000026314 6596 97.8 UdeM00000026314 XP_045214070.1 55.1 158
61 5 141 292 197 350 2.40E-17 97.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000026315 6565 194.9 UdeM00000026315 XP_022315438.1 54.1 194
88 1 5 197 3 196 1.00E-46 194.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026316 29159 302.4 UdeM00000026316 XP_019924512.2 58.6 256
104 2 16 271 199 452 5.90E-79 302.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026318 2652724 175.6 UdeM00000026318 XP_020913146.1 49.5
194 97 1 167 360 177 369 1.40E-40 175.6 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000026319 6579 195.7 UdeM00000026319 XP_033729790.1 45.5 209
114 0 10 218 17 225 6.30E-47 195.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026320 6596 181.8 UdeM00000026320 XP_045212945.1 47.4 194
85 3 1 178 1 193 9.40E-43 181.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026321 1735272 111.7 UdeM00000026321 XP_041363855.1 50
104 49 1 6 106 4 107 5.80E-22 111.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026323 6596 92 UdeM00000026323 XP_045214989.1 34.5 177
83 4 30 197 4 156 8.90E-16 92 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026322 6596 90.9 UdeM00000026322 XP_045214989.1 34.5 177
83 4 7 174 4 156 1.80E-15 90.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026324 1735272 265 UdeM00000026324 XP_041363440.1 62.7
185 69 0 2 186 178 362 7.40E-68 265 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026325 6565 304.7 UdeM00000026325 XP_022313971.1 53.8 251
111 1 4 249 3 253 1.10E-79 304.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026326 6565 330.1 UdeM00000026326 XP_022313971.1 55.8 265
112 1 4 263 3 267 2.60E-87 330.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026327 1735272 212.2 UdeM00000026327 XP_041364079.1 32.5
363 212 10 1 357 12 347 1.40E-51 212.2 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026328 29159 1011.5 UdeM00000026328 XP_034312617.1 36.4
1674 970 52 119 1747 376 1999 1.30E-291 1011.5

29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026329 1735272 211.8 UdeM00000026329 XP_041364085.1 29.4
445 181 14 100 531 202 526 2.10E-51 211.8 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026330 29159 687.2 UdeM00000026330 XP_034312617.1 33.3 1312
736 36 7 1215 2574 3849 3.90E-194 687.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostre
ida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040033 7574 263.5 UdeM00000040033 XP_013403126.1 66.8 184
59 1 50 233 1 182 2.60E-67 263.5 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000040034 6596 222.2 UdeM00000040034 XP_045189893.1 56.7 215
85 4 1 214 1 208 1.30E-54 222.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040035 6573 280 UdeM00000040035 XP_021378504.1 41.4 423
222 6 4 407 3 418 5.10E-72 280 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000040036 6579 283.1 UdeM00000040036 XP_033757139.1 41.5 419
236 4 4 415 3 419 6.20E-73 283.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040037 6596 240 UdeM00000040037 XP_045188861.1 42.1 337
176 7 8 335 5 331 4.70E-60 240 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040038 6596 298.9 UdeM00000040038 XP_045188498.1 38.8 560
257 11 7 518 7 528 1.30E-77 298.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040039 6596 330.1 UdeM00000040039 XP_045190426.1 63.4 235
86 0 8 242 10 244 2.50E-87 330.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040041 6573 378.3 UdeM00000040041 XP_021350804.1 73.6 239
58 2 1 237 1 236 8.00E-102 378.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000040043 6565 146.7 UdeM00000040043 XP_022299727.1 52.4 145
69 0 23 167 131 275 3.00E-32 146.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040044 6596 1285.4 UdeM00000040044 XP_045188649.1 57.8
1160 350 9 11 1163 12 1038 0.00E+00 1285.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040045 6596 1285.4 UdeM00000040045 XP_045188649.1 57.8
1160 350 9 46 1198 12 1038 0.00E+00 1285.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040046 6579 243.4 UdeM00000040046 XP_033756358.1 60.4 197
77 1 20 216 893 1088 2.60E-61 243.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040047 6565 476.1 UdeM00000040047 XP_022340940.1 41 712
340 11 6 702 106 752 7.70E-131 476.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040048 6565 256.5 UdeM00000040048 XP_022340942.1 63 192
69 1 4 195 1 190 2.70E-65 256.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040049 6565 256.9 UdeM00000040049 XP_022340942.1 63 192
69 1 1 192 1 190 2.00E-65 256.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040050 6596 329.7 UdeM00000040050 XP_045190580.1 66.4 232
77 1 1 231 12 243 3.00E-87 329.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040051 6596 354.4 UdeM00000040051 XP_045189645.1 74.3 226
57 1 1 225 1 226 1.10E-94 354.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040052 29159 436.8 UdeM00000040052 XP_011440861.2 55.3 423
179 7 4 419 1 420 3.10E-119 436.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040053 29159 436.4 UdeM00000040053 XP_011440861.2 55.1 423
 180 7 4 419 1 420 4.10E-119 436.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040054 225164 382.9 UdeM00000040054 XP_009058439.1 49.8
 414 192 7 39 441 9 417 5.60E-103 382.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000040055 6596 492.3 UdeM00000040055 XP_045203502.1 45.2 569
 297 8 65 628 40 598 9.30E-136 492.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040056 6596 121.7 UdeM00000040056 XP_045203481.1 32.2 205
 136 2 1 202 406 610 1.20E-24 121.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040057 6596 92 UdeM00000040057 XP_045203481.1 61 77
 27 1 83 156 206 282 7.10E-16 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040058 6596 441.4 UdeM00000040058 XP_045203481.1 43.1 559
 259 10 65 574 114 662 1.80E-120 441.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040059 6596 63.5 UdeM00000040059 XP_045203481.1 42.7 75
 40 2 6 79 602 674 1.40E-07 63.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040060 6596 148.3 UdeM00000040060 XP_045203502.1 39.1 207
 124 2 9 215 244 448 1.20E-32 148.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040061 6596 61.6 UdeM00000040061 XP_045181401.1 53.2 62
 25 2 2 61 14 73 4.60E-07 61.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040062 6596 455.3 UdeM00000040062 XP_045203481.1 42 598
 276 11 10 557 86 662 1.10E-124 455.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040063 6596 489.2 UdeM00000040063 XP_045203481.1 43.7 597
 314 9 20 608 80 662 7.80E-135 489.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040064 6596 140.6 UdeM00000040064 XP_045203481.1 27.4 351
 172 5 14 284 327 674 3.10E-30 140.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040065 6596 473.4 UdeM00000040065 XP_045203481.1 44 564
 294 7 70 626 114 662 4.60E-130 473.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040066 6596 493.8 UdeM00000040066 XP_045203481.1 44.7 559
 292 8 63 614 114 662 3.20E-136 493.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040067 6579 486.1 UdeM00000040067 XP_033756892.1 71.8 323
 91 0 7 329 3 325 3.50E-134 486.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040068 29159 67.4 UdeM00000040068 XP_011414575.2 27.5 182
 117 4 11 177 14 195 2.20E-08 67.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040069 29159 138.3 UdeM00000040069 XP_011414575.2 84.6 78
 12 0 2 79 188 265 7.40E-30 138.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040070 6596 184.9 UdeM00000040070 XP_045188950.1 69.8 129
 39 0 173 301 2 130 1.70E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040071 6596 132.9 UdeM00000040071 XP_045188950.1 57.3 124
 53 0 158 281 2 125 7.00E-28 132.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040072 6565 200.3 UdeM00000040072 XP_022287126.1 44.9 274
131 8 11 267 7 277 3.30E-48 200.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040073 29159 206.5 UdeM00000040073 XP_011414574.2 46.9 262
113 8 11 255 14 266 4.70E-50 206.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040074 29159 206.8 UdeM00000040074 XP_011414574.2 48 256
110 7 10 251 13 259 3.70E-50 206.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040075 6596 179.9 UdeM00000040075 XP_045190970.1 38.4 331
151 12 1 285 1 324 4.80E-42 179.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040077 6596 595.1 UdeM00000040077 XP_045189063.1 65.9 454
155 0 10 463 18 471 7.50E-167 595.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040078 6596 262.3 UdeM00000040078 XP_045190293.1 20.3 1485
808 35 71 1209 106 1561 4.10E-66 262.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040080 6596 197.6 UdeM00000040080 XP_045190300.1 34.4 305
188 5 1487 1785 3 301 1.30E-46 197.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040081 400727 180.3 UdeM00000040081 XP_025106400.1 49.2
187 95 0 142 328 533 719 4.20E-42 180.3 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000040082 6596 515.8 UdeM00000040082 XP_045190295.1 26.4 1406
837 32 414 1679 7 1354 2.40E-142 515.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040083 6565 227.3 UdeM00000040083 XP_022342573.1 45.9 259
 128 6 6 258 571 823 2.30E-56 227.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040084 6596 738.4 UdeM00000040084 XP_045189835.1 55.4 624
 272 5 26 644 26 648 7.80E-210 738.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040085 1735272 99 UdeM00000040085 XP_041369517.1 77.8
 63 14 0 1 63 180 242 3.40E-18 99 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000040086 6596 203.8 UdeM00000040086 XP_045189133.1 44.6 312
 132 12 9 299 6 297 3.20E-49 203.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040087 6596 121.7 UdeM00000040087 XP_045188971.1 27 482
 261 14 153 551 45 518 2.90E-24 121.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040088 7574 84.7 UdeM00000040088 XP_013420132.1 27.3 227
 120 6 15 201 6 227 4.60E-13 84.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040089 6596 219.5 UdeM00000040089 XP_045199200.1 36.9 352
 215 3 10 361 2 346 7.10E-54 219.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040090 6573 251.1 UdeM00000040090 XP_021379030.1 46.3 294
 146 4 50 339 31 316 2.00E-63 251.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040092 6596 243.4 UdeM00000040092 XP_045166814.1 48.3 296
 134 6 77 362 3 289 4.50E-61 243.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040093 6596 258.5 UdeM00000040093 XP_045166814.1 49.3 296
 137 7 49 339 3 290 1.30E-65 258.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040094 6596 253.8 UdeM00000040094 XP_045212938.1 49.3 272
115 5 2 272 95 344 2.50E-64 253.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040095 6596 255 UdeM00000040095 XP_045170869.1 49.3 276
113 7 88 356 46 301 1.40E-64 255 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040096 6596 247.7 UdeM00000040096 XP_045206794.1 55.3 215
92 1 63 277 84 294 1.80E-62 247.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040097 6579 240 UdeM00000040097 XP_033738578.1 58.6 191
76 2 24 214 96 283 3.00E-60 240 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040099 9986 60.1 UdeM00000040099 XP_008253697.2 36.3 91
56 1 106 196 161 249 4.10E-06 60.1 9986 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Glires;Lagomorpha;Leporidae;Oryctolagus;Oryctolagus cuniculus

UdeM00000040101 6596 1469.1 UdeM00000040101 XP_045189005.1 86.7
897 115 2 4 896 1 897 0.00E+00 1469.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040102 6596 117.9 UdeM00000040102 XP_045189004.1 43.9 171
85 3 10 170 24 193 1.40E-23 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040103 6596 647.9 UdeM00000040103 XP_045188256.1 52.4 635
263 7 1 627 1 604 1.60E-182 647.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040104 29159 176.8 UdeM00000040104 XP_011443561.2 57.5 134
56 1 32 164 48 181 2.30E-41 176.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040105 6596 186.4 UdeM00000040105 XP_045202545.1 49.3 207
69 6 10 186 10 210 3.30E-44 186.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040106 7888 129 UdeM00000040106 XP_043938984.1 28.1 398
242 14 4 374 7 387 1.30E-26 129 7888 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes;Lepidosirenoidei;Protopteridae;Protopterus;Protopterus annectens

UdeM00000040107 6579 909.4 UdeM00000040107 XP_033757705.1 67.8 637
204 1 1 636 2 638 2.50E-261 909.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040108 6596 188.7 UdeM00000040108 XP_045191200.1 61.2 165
54 2 53 213 13 171 7.50E-45 188.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040109 6596 188.7 UdeM00000040109 XP_045191200.1 61.2 165
54 2 51 211 13 171 7.40E-45 188.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040111 1735272 361.3 UdeM00000040111 XP_041368570.1 56.8
301 129 1 22 321 18 318 1.50E-96 361.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040112 6596 78.6 UdeM00000040112 XP_045188786.1 29 145
97 2 237 379 168 308 1.90E-11 78.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040113 6596 488 UdeM00000040113 XP_045203481.1 41.4 640
342 10 9 630 51 675 1.80E-134 488 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040114 6596 380.6 UdeM00000040114 XP_045203481.1 43.1 473
247 8 3 468 218 675 2.90E-102 380.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040115 400727 159.5 UdeM00000040115 XP_025093987.1 52.2
159 70 2 63 221 41 193 5.10E-36 159.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000040116 29159 312 UdeM00000040116 XP_011454560.1 62.6 230
85 1 3 232 637 865 6.40E-82 312 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040117 6596 729.9 UdeM00000040117 XP_045190481.1 58.7 685
254 7 6 676 1 670 2.90E-207 729.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040118 6573 701 UdeM00000040118 XP_021352489.1 61.3 499
185 3 34 527 42 537 1.10E-198 701 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040119 6596 894 UdeM00000040119 XP_045189642.1 53.4 870
378 9 4 852 3 866 1.40E-256 894 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040120 37621 97.1 UdeM00000040120 XP_014673954.1 51.2 80
38 1 444 522 267 346 7.50E-17 97.1 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000040121 6596 114.4 UdeM00000040121 XP_045189682.1 53.8 91
41 1 642 731 359 449 6.20E-22 114.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040121 6596 70.9 UdeM00000040121 XP_045189682.1 50.7 69
34 0 15 83 9 77 7.90E-09 70.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040122 225164 297.4 UdeM00000040122 XP_009050966.1 38.6
396 239 4 28 423 38 429 3.30E-77 297.4 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000040123 6596 210.3 UdeM00000040123 XP_045189700.1 45.5 290
 122 9 21 291 26 298 3.40E-51 210.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040124 6573 386 UdeM00000040124 XP_021345996.1 49.1 379
 193 0 9 387 14 392 5.80E-104 386 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040125 6596 144.1 UdeM00000040125 XP_045189316.1 48.5 171
 79 4 18 183 11 177 1.90E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040126 6565 316.6 UdeM00000040126 XP_022337045.1 53 313
 136 6 7 313 8 315 3.60E-83 316.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040127 6579 252.7 UdeM00000040127 XP_033751112.1 40.8 289
 165 4 12 298 76 360 5.90E-64 252.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040128 6573 301.6 UdeM00000040128 XP_021354732.1 46.5 288
 151 2 78 365 77 361 1.40E-78 301.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040130 6596 339 UdeM00000040130 XP_045188510.1 54.2 354
 157 3 122 473 396 746 9.90E-90 339 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040131 6596 113.2 UdeM00000040131 XP_045188521.1 41.9 217
 74 6 22 188 77 291 4.40E-22 113.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040132 6596 154.5 UdeM00000040132 XP_045185048.1 35 260
 129 5 7 250 8 243 2.10E-34 154.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040133 1735272 424.1 UdeM00000040133 XP_041356266.1 51.1
 407 189 4 51 454 209 608 2.30E-115 424.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000040134 6596 229.9 UdeM00000040134 XP_045188522.1 38.9 419
 109 9 61 334 328 744 4.60E-57 229.9 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000040135 6579 126.3 UdeM00000040135 XP_033757364.1 31.7 379
 196 12 1 323 1 372 6.90E-26 126.3 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000040136 6573 95.9 UdeM00000040136 XP_021355525.1 31.8 267
 141 12 7 254 6 250 7.90E-17 95.9 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000040137 6596 1016.5 UdeM00000040137 XP_045189730.1 68.4
 947 291 3 18 958 401 1345 2.20E-293 1016.5 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000040138 6596 201.4 UdeM00000040138 XP_045189730.1 72 189
 40 3 1 189 1 176 2.10E-48 201.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000040139 6596 1208.7 UdeM00000040139 XP_045189355.1 78.9
 785 152 4 7 788 9 782 0.00E+00 1208.7 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000040140 29159 113.6 UdeM00000040140 XP_019926412.2 51.6 126
 58 1 1 123 1 126 2.30E-22 113.6 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000040142 29159 62.4 UdeM00000040142 XP_034328747.1 26.5 196
 133 6 28 219 60 248 8.80E-07 62.4 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000040143 29159 62.4 UdeM00000040143 XP_034328747.1 26.5 196
 133 6 15 206 60 248 8.30E-07 62.4 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000040145 1203425 114.4 UdeM00000040145 XP_034535258.1 54.5
88 40 0 46 133 224 311 1.10E-22 114.4 1203425
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae
;Notolabrus;Notolabrus celidotus

UdeM00000040148 1250792 199.9 UdeM00000040148 XP_041860347.1 34.5
336 119 1 6 240 4 339 3.70E-48 199.9 1250792
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000040168 6596 72 UdeM00000040168 XP_045190933.1 31.1 132
78 5 18 141 17 143 6.80E-10 72 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040169 225164 63.2 UdeM00000040169 XP_009062547.1 30.3
142 91 5 8 145 7 144 3.40E-07 63.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000040175 225164 59.7 UdeM00000040175 XP_009062547.1 35.2
122 71 5 7 121 24 144 3.20E-06 59.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000040177 6596 200.7 UdeM00000040177 XP_045190494.1 72.2 126
35 0 1 126 5 130 1.30E-48 200.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040178 1735272 527.3 UdeM00000040178 XP_041367924.1 81.2
324 61 0 23 346 8 331 1.50E-146 527.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040179 1735272 530.8 UdeM00000040179 XP_041367924.1 82.6
322 54 1 1 320 10 331 1.20E-147 530.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040180 29159 250.4 UdeM00000040180 XP_034328898.1 62.2 172
 65 0 16 187 65 236 1.80E-63 250.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040181 29159 302.8 UdeM00000040181 XP_011422762.2 58.7 235
 91 3 5 233 1 235 3.90E-79 302.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040182 1735272 109.8 UdeM00000040182 XP_041367924.1 69
 84 26 0 33 116 251 334 2.50E-21 109.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000040183 7054 206.5 UdeM00000040183 XP_031350379.1 41.2 294
 156 6 5 281 60 353 4.60E-50 206.5 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000040184 7719 66.6 UdeM00000040184 XP_004227365.1 58.2 55
 23 0 30 84 106 160 1.80E-08 66.6 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
 intestinalis
 UdeM00000040185 29159 249.2 UdeM00000040185 XP_034328898.1 62.8 172
 64 0 16 187 65 236 4.10E-63 249.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040186 6565 58.9 UdeM00000040186 XP_022292556.1 44.3 61
 34 0 64 124 310 370 5.80E-06 58.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040187 29159 251.9 UdeM00000040187 XP_034328898.1 63.3 177
 63 1 6 180 60 236 6.10E-64 251.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040188 29159 303.1 UdeM00000040188 XP_011422762.2 57.9 235
 95 1 5 235 1 235 3.00E-79 303.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040189 6596 295 UdeM00000040189 XP_045208502.1 60.6 218
 81 1 17 234 22 234 8.20E-77 295 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040190 6596 311.2 UdeM00000040190 XP_045188503.1 57.5 266
 106 2 50 308 60 325 1.50E-81 311.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040192 6596 203.4 UdeM00000040192 XP_045190979.1 39.8 299
 176 3 24 318 27 325 4.40E-49 203.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040193 6596 92.8 UdeM00000040193 XP_045189175.1 50.6 81
 40 0 76 156 32 112 4.20E-16 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026611 6596 1532.3 UdeM00000026611 XP_045214498.1 72.8
 1094 260 11 6 1072 14 1096 0.00E+00 1532.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026612 29159 303.5 UdeM00000026612 XP_034312903.1 54 300
 124 3 1 300 783 1068 2.90E-79 303.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026613 6596 567.4 UdeM00000026613 XP_045214491.1 48.6 979
 423 21 1 941 1 937 3.40E-158 567.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026614 6596 392.1 UdeM00000026614 XP_045214491.1 63.5 277
 100 1 1 277 1 276 6.20E-106 392.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026615 225164 166 UdeM00000026615 XP_009045420.1 71.2
 104 30 0 7 110 9 112 2.90E-38 166 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000026616 225164 175.3 UdeM00000026616 XP_009045420.1 70.3
 118 34 1 18 135 110 226 5.50E-41 175.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000026617 400727 528.9 UdeM00000026617 XP_025097011.1 78.4
 306 66 0 5 310 6 311 4.50E-147 528.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000026619 7741 225.7 UdeM00000026619 XP_019641574.1 64.9 148
 48 1 19 162 39 186 4.20E-56 225.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;
 Branchiostoma belcheri
 UdeM00000026620 6565 654.8 UdeM00000026620 XP_022316143.1 71.4 447
 124 2 98 544 7 449 9.40E-185 654.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026621 6596 77.8 UdeM00000026621 XP_045213408.1 40.1 182
 101 4 1 179 1 177 8.50E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026622 6573 926 UdeM00000026622 XP_021380126.1 70.1 686
 168 11 2 670 3 668 2.70E-266 926 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026623 225164 121.3 UdeM00000026623 XP_009049696.1 47.8
 134 64 2 1 131 1 131 9.60E-25 121.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000026624 6596 860.1 UdeM00000026624 XP_045213860.1 84.2 481
 76 0 98 578 82 562 1.60E-246 860.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026625 6596 1339.7 UdeM00000026625 XP_045213859.1 70.1
 968 260 12 1 951 1 956 0.00E+00 1339.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026626 6573 554.3 UdeM00000026626 XP_021350519.1 62 424
 148 4 5 416 11 433 1.40E-154 554.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026627 6596 1879.4 UdeM00000026627 XP_045213852.1 72.4
 1313 321 16 11 1318 20 1296 0.00E+00 1879.4 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026628 6579 318.5 UdeM00000026628 XP_033734243.1 79.8 183
37 0 107 289 782 964 8.50E-84 318.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026629 6596 1155.6 UdeM00000026629 XP_045213846.1 60.2
959 350 6 4 959 5 934 0.00E+00 1155.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026631 6565 813.5 UdeM00000026631 XP_022315964.1 59 1170
371 22 1 1146 1 1085 3.30E-232 813.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026632 6596 283.9 UdeM00000026632 XP_045211971.1 59.3 221
88 1 1 221 9 227 1.80E-73 283.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026634 6573 424.1 UdeM00000026634 XP_021345667.1 76.9 299
65 3 1 298 1 296 1.60E-115 424.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026635 29159 1049.7 UdeM00000026635 XP_034312496.1 90.5
555 53 0 1 555 1 555 1.30E-303 1049.7
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026636 6596 107.5 UdeM00000026636 XP_045214215.1 35.8 173
102 3 3 174 7 171 1.90E-20 107.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026637 6596 511.9 UdeM00000026637 XP_045214215.1 63.1 385
134 4 13 389 236 620 7.10E-142 511.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026638 6579 428.3 UdeM00000026638 XP_033747802.1 72.5 276
76 0 8 283 9 284 7.60E-117 428.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000026639 6596 662.9 UdeM00000026639 XP_045214217.1 51.5 691
239 14 19 699 16 620 4.40E-187 662.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000026640 6596 680.6 UdeM00000026640 XP_045214217.1 54.3 647
243 11 19 654 16 620 1.90E-192 680.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000026641 6579 270.4 UdeM00000026641 XP_033742679.1 68.1 185
54 3 1 180 1 185 1.70E-69 270.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000026642 6573 180.3 UdeM00000026642 XP_021341640.1 26.5 483
298 9 9 480 6 442 6.00E-42 180.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000026643 1735272 120.6 UdeM00000026643 XP_041362863.1 58.5
118 38 3 1 110 1 115 1.70E-24 120.6 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000026645 6596 361.7 UdeM00000026645 XP_045213568.1 82.3 209
37 0 32 240 18 226 7.30E-97 361.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000026644 6596 361.7 UdeM00000026644 XP_045213568.1 82.3 209
37 0 43 251 18 226 7.60E-97 361.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000026646 400727 187.6 UdeM00000026646 XP_025113133.1 50.3
167 83 0 1 167 1 167 1.50E-44 187.6 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000026647 6526 132.5 UdeM00000026647 XP_013061833.1 51.7 120
58 0 1 120 37 156 4.40E-28 132.5 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Planorbida; Hygrophila; Lymnaeidae; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000026648 6579 524.2 UdeM00000026648 XP_033744115.1 63.1 393
 139 3 1 393 1 387 1.40E-145 524.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026649 6596 256.9 UdeM00000026649 XP_045212627.1 33.5 484
 219 12 1 455 1 410 4.80E-65 256.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026650 6596 100.9 UdeM00000026650 XP_045212627.1 56.9 72
 28 1 5 76 342 410 7.70E-19 100.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026651 6579 636 UdeM00000026651 XP_033745854.1 71.4 413
 118 0 1 413 1 413 3.40E-179 636 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026652 6565 278.5 UdeM00000026652 XP_022318104.1 72.8 184
 50 0 38 221 12 195 7.50E-72 278.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026653 29159 587.4 UdeM00000026653 XP_011414849.2 73.8 363
 95 0 12 374 14 376 1.30E-164 587.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026654 6596 427.9 UdeM00000026654 XP_045212140.1 52.6 449
 198 4 9 453 14 451 1.60E-116 427.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026655 6596 68.2 UdeM00000026655 XP_045178109.1 24.3 276
 173 6 46 314 2 248 2.20E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026656 6596 105.5 UdeM00000026656 XP_045179881.1 33.6 149
 82 2 48 179 51 199 7.00E-20 105.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026657 46731 95.5 UdeM00000026657 XP_027042029.1 39.8 133
 78 1 25 157 32 162 8.80E-17 95.5 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopora damicornis
 UdeM00000026658 6596 172.9 UdeM00000026658 XP_045212145.1 55.6 126
 56 0 12 137 12 137 2.80E-40 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026659 6596 339.3 UdeM00000026659 XP_045211403.1 82.6 201
 35 0 1 201 1 201 3.30E-90 339.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026660 6596 878.2 UdeM00000026660 XP_045212324.1 68.4 648
 189 4 6 653 5 636 6.40E-252 878.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026663 29159 281.6 UdeM00000026663 XP_019930499.2 64.7 215
 76 0 1 215 441 655 8.60E-73 281.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026664 6573 60.5 UdeM00000026664 XP_021347551.1 41.2 85
 43 2 23 102 7 89 1.70E-06 60.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026665 6526 590.9 UdeM00000026665 XP_013084912.1 69.3 430
 115 2 1 413 1 430 1.30E-165 590.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pulmonata;
 Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata
 UdeM00000026666 29159 501.1 UdeM00000026666 XP_019926413.2 74.2 337
 85 2 1 336 1 336 1.10E-138 501.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026667 6579 441.4 UdeM00000026667 XP_033746926.1 72.9 291
 79 0 1 291 42 332 8.80E-121 441.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026668 6500 145.6 UdeM00000026668 XP_005101028.1 65.2 92
 32 0 1 92 1 92 3.20E-32 145.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tentaclepura;
 Aplysiida;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000026669 29159 344.4 UdeM00000026669 XP_011432048.1 64.5 273
 83 3 1 273 1 259 1.40E-91 344.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026670 1735272 343.2 UdeM00000026670 XP_041362557.1 69.6
257 76 2 15 271 17 271 3.10E-91 343.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026671 1735272 340.5 UdeM00000026671 XP_041362557.1 79.8
208 41 1 1 208 65 271 1.50E-90 340.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026672 1735272 129.8 UdeM00000026672 XP_041362494.1 41.5
176 95 2 15 190 446 613 3.70E-27 129.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026673 6596 672.5 UdeM00000026673 XP_045213223.1 60.3 521
201 2 7 525 1 517 5.00E-190 672.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026674 6596 330.9 UdeM00000026674 XP_045213224.1 54.5 264
116 1 27 286 63 326 1.90E-87 330.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026684 6596 244.6 UdeM00000026684 XP_045211824.1 74.1 158
41 0 9 166 65 222 9.00E-62 244.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026685 6579 420.6 UdeM00000026685 XP_033729693.1 54.8 372
163 4 12 378 8 379 2.10E-114 420.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026686 6579 110.9 UdeM00000026686 XP_033731763.1 48.4 122
51 3 68 188 19 129 1.80E-21 110.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026687 6596 134 UdeM00000026687 XP_045211822.1 25.4 666
423 18 11 652 12 627 1.10E-27 134 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026688 6596 91.7 UdeM00000026688 XP_045211846.1 33.6 223
 142 4 1 218 1 222 1.70E-15 91.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026689 6579 379.4 UdeM00000026689 XP_033733533.1 59.1 313
 124 2 5 315 11 321 4.80E-102 379.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026690 27687 168.7 UdeM00000026690 XP_028673527.1 56.6 145
 61 1 22 166 206 348 6.30E-39 168.7 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000026691 6596 68.2 UdeM00000026691 XP_045212365.1 39 82
 47 1 2 83 283 361 5.90E-09 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026692 400727 287.7 UdeM00000026692 XP_025100468.1 92.9
 156 11 0 16 171 44 199 9.50E-75 287.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000026693 29159 236.5 UdeM00000026693 XP_011429058.1 75.2 149
 37 0 6 154 2 150 2.30E-59 236.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026694 29159 232.6 UdeM00000026694 XP_011429059.1 74.8 147
 37 0 6 152 2 148 3.30E-58 232.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026695 6596 650.6 UdeM00000026695 XP_045211600.1 67 506
 155 5 19 513 90 594 1.80E-183 650.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026696 215358 101.3 UdeM00000026696 XP_027134537.1 36.4
 231 116 8 10 239 46 246 1.80E-18 101.3 215358
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae
 sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000026697 6596 426.8 UdeM00000026697 XP_045211600.1 43.7 533
 272 10 25 536 88 613 4.10E-116 426.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026698 6596 400.6 UdeM00000026698 XP_045211600.1 45.9 468
 223 9 1 445 127 587 2.80E-108 400.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026699 1735272 169.9 UdeM00000026699 XP_041374267.1 35.1
 268 157 6 1 256 68 330 4.30E-39 169.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026701 2607531 96.3 UdeM00000026701 XP_029636731.1 60.5
 76 30 0 67 142 713 788 3.40E-17 96.3 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000026700 2607531 96.3 UdeM00000026700 XP_029636731.1 60.5
 76 30 0 382 457 713 788 1.10E-16 96.3 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000026702 6596 867.1 UdeM00000026702 XP_045214115.1 64.6 695
 234 7 72 759 549 1238 1.80E-248 867.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026703 6596 588.2 UdeM00000026703 XP_045214115.1 68 415
 127 3 13 421 136 550 8.70E-165 588.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026704 1735272 92.8 UdeM00000026704 XP_041359638.1 36.7
 147 85 2 3 148 93 232 5.10E-16 92.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026709 6596 694.9 UdeM00000026709 XP_045211600.1 65 572
 177 9 1 558 46 608 8.60E-197 694.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026710 6596 698.4 UdeM00000026710 XP_045212554.1 63.3 559
 163 6 216 764 314 840 1.90E-197 698.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026711 6573 225.7 UdeM00000026711 XP_021354818.1 25.6 839
 537 26 7 817 10 789 2.10E-55 225.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026712 6596 665.2 UdeM00000026712 XP_045213319.1 52.4 706
 298 12 112 787 126 823 1.00E-187 665.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026713 6596 662.5 UdeM00000026713 XP_045213319.1 53.3 677
 283 11 115 766 155 823 6.40E-187 662.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026714 6596 662.1 UdeM00000026714 XP_045213319.1 53.4 676
 290 10 115 772 155 823 8.40E-187 662.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026715 6596 664.8 UdeM00000026715 XP_045213319.1 54.2 662
 270 11 35 671 170 823 1.10E-187 664.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026716 37653 390.6 UdeM00000026716 XP_014767752.1 69 268
 82 1 1 267 170 437 1.60E-105 390.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000026717 6565 925.2 UdeM00000026717 XP_022319136.1 62.1 728
 272 4 1 727 1 725 5.00E-266 925.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026718 225164 108.6 UdeM00000026718 XP_009063652.1 41.1
 129 75 1 19 147 29 156 7.40E-21 108.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000026719 225164 106.3 UdeM00000026719 XP_009062157.1 39.1
 133 79 1 41 171 61 193 4.10E-20 106.3 225164
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000026720 225164 107.8 UdeM00000026720 XP_009062157.1 37
138 83 1 22 159 61 194 1.30E-20 107.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000026721 6565 85.9 UdeM00000026721 XP_022315143.1 84.8 46
7 0 1 46 1 46 3.40E-14 85.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026722 6565 208.4 UdeM00000026722 XP_022315144.1 83.3 132
22 0 1 132 1 132 5.80E-51 208.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026723 6596 667.2 UdeM00000026723 XP_045214917.1 56.6 581
235 6 147 722 63 631 2.60E-188 667.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000026724 6596 597.4 UdeM00000026724 XP_045214913.1 48.5 606
307 3 2 602 16 621 2.00E-167 597.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000026725 6596 427.6 UdeM00000026725 XP_045214909.1 47.3 497
219 4 3 494 8 466 2.30E-116 427.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000026726 6596 534.6 UdeM00000026726 XP_045214906.1 75.1 350
82 2 14 359 7 355 1.00E-148 534.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000026727 6596 291.2 UdeM00000026727 XP_045211715.1 34 424
269 5 19 435 27 446 2.30E-75 291.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000026729 6596 106.3 UdeM00000026729 XP_045214189.1 67.1 79
26 0 27 105 140 218 2.50E-20 106.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026728 6596 292.4 UdeM00000026728 XP_045214189.1 64.4 219
 77 1 1 219 1 218 5.00E-76 292.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026730 6565 92 UdeM00000026730 XP_022322655.1 49.5 99
 47 3 1 99 1 96 4.90E-16 92 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026731 29159 266.2 UdeM00000026731 XP_034299474.1 42.7 323
 172 3 1 321 415 726 5.80E-68 266.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026732 29159 214.2 UdeM00000026732 XP_034330911.1 58.2 177
 65 4 8 179 226 398 1.60E-52 214.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026733 6596 239.2 UdeM00000026733 XP_045214229.1 59.9 197
 79 0 1 197 1 197 4.60E-60 239.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026734 6579 121.7 UdeM00000026734 XP_033755002.1 32.1 240
 150 4 11 237 23 262 1.40E-24 121.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026736 6596 600.5 UdeM00000026736 XP_045181498.1 53.2 558
 258 2 1 557 2 557 2.20E-168 600.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026737 6596 683.3 UdeM00000026737 XP_045206108.1 29.8 1548
 910 30 1 1518 606 2006 7.00E-193 683.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026738 6579 573.9 UdeM00000026738 XP_033732123.1 45.9 590
 296 10 13 591 2 579 2.30E-160 573.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026739 6596 72.4 UdeM00000026739 XP_045215254.1 28.9 142
 100 1 7 147 2139 2280 7.00E-10 72.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026740 6565 111.7 UdeM00000026740 XP_022316839.1 34.6 214
128 5 6 210 7 217 1.20E-21 111.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026741 37653 105.9 UdeM00000026741 XP_014770695.1 29.8 258
88 4 1 165 1 258 5.60E-20 105.9 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000026743 6596 560.1 UdeM00000026743 XP_045213819.1 75.7 346
83 1 3 348 1 345 2.00E-156 560.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026744 6573 120.6 UdeM00000026744 XP_021357572.1 46 187
85 3 1 175 1 183 2.10E-24 120.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026745 6596 234.2 UdeM00000026745 XP_045213888.1 59.6 193
77 1 1 192 174 366 1.60E-58 234.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026746 6596 80.9 UdeM00000026746 XP_045187321.1 30.3 188
122 5 1 182 1 185 1.90E-12 80.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026747 6596 231.5 UdeM00000026747 XP_045211536.1 50.4 262
107 5 6 262 6 249 1.20E-57 231.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026749 6596 157.1 UdeM00000026749 XP_045212078.1 66.9 121
40 0 2 122 5 125 1.40E-35 157.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026750 2607531 148.7 UdeM00000026750 XP_029652203.1 67.9
106 33 1 1 105 1 106 1.60E-32 148.7 2607531 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000026751 6596 152.1 UdeM00000026751 XP_045213629.1 33.3 306
 186 6 32 337 41 328 2.60E-33 152.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026753 6596 149.4 UdeM00000026753 XP_045213629.1 31.9 323
 208 7 22 340 18 332 1.70E-32 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026754 1735272 65.9 UdeM00000026754 XP_041354416.1 36.6
 101 63 1 47 147 58 157 5.40E-08 65.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026755 29159 134 UdeM00000026755 XP_034323059.1 28.4 345
 227 9 8 342 139 473 3.50E-28 134 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026756 29159 139.4 UdeM00000026756 XP_034323059.1 27.4 376
 251 10 3 368 110 473 9.10E-30 139.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026757 6579 391.7 UdeM00000026757 XP_033731739.1 61.4 280
 108 0 1 280 99 378 7.70E-106 391.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026758 6573 61.2 UdeM00000026758 XP_021341725.1 60.4 48
 19 0 1 48 1 48 7.80E-07 61.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026759 6596 676.8 UdeM00000026759 XP_045214646.1 54.7 684
 297 6 52 733 95 767 3.40E-191 676.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026760 6596 273.9 UdeM00000026760 XP_045214417.1 54.8 263
 118 1 1 263 1 262 2.20E-70 273.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026761 6596 305.4 UdeM00000026761 XP_045214417.1 59 268
 109 1 1 268 1 267 6.90E-80 305.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026762 6596 458.8 UdeM00000026762 XP_045213278.1 78.5 307
66 0 1 307 1 307 7.80E-126 458.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026763 225164 609.8 UdeM00000026763 XP_009060170.1 64.8
432 151 1 1 431 52 483 2.80E-171 609.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000026764 6565 626.3 UdeM00000026764 XP_022318614.1 63 467
171 2 22 487 17 482 3.20E-176 626.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026765 6565 642.1 UdeM00000026765 XP_022318614.1 64.8 466
162 2 23 487 18 482 5.70E-181 642.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026766 1735272 945.7 UdeM00000026766 XP_041363033.1 68.3
671 131 8 1 669 14 604 3.30E-272 945.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026768 6596 587.4 UdeM00000026768 XP_045212457.1 73.9 368
96 0 383 750 215 582 2.50E-164 587.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026769 6596 589 UdeM00000026769 XP_045212457.1 73.7 369
97 0 139 507 214 582 5.90E-165 589 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026770 6596 240 UdeM00000026770 XP_045212455.1 60.4 182
71 1 55 235 33 214 3.20E-60 240 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026771 6596 240.7 UdeM00000026771 XP_045212455.1 59.4 187
75 1 55 240 33 219 2.00E-60 240.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026773 6573 73.9 UdeM00000026773 XP_021370068.1 29.7 209
 135 8 3 206 72 273 3.90E-10 73.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026774 6573 80.9 UdeM00000026774 XP_021370068.1 29.7 212
 131 8 3 206 72 273 3.20E-12 80.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026775 6596 406.4 UdeM00000026775 XP_045214155.1 55.7 393
 162 4 34 418 16 404 4.50E-110 406.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026776 6596 409.5 UdeM00000026776 XP_045214155.1 56 393
 161 4 34 418 16 404 5.30E-111 409.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026777 10228 58.2 UdeM00000026777 XP_002118406.1 56.2 48
 21 0 1 48 535 582 6.40E-06 58.2 10228 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
 e;Trichoplax;Trichoplax adhaerens
 UdeM00000026778 6596 353.6 UdeM00000026778 XP_045214154.1 79.9 199
 40 0 1 199 1 199 1.70E-94 353.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026779 6596 607.1 UdeM00000026779 XP_045212355.1 33.5 1063
 566 17 303 1351 167 1102 6.40E-170 607.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026780 29159 1305.8 UdeM00000026780 XP_034312450.1 40.8
 1706 893 37 1 1685 2346 3955 0.00E+00 1305.8
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026781 29159 1501.5 UdeM00000026781 XP_034312450.1 34.8
 2628 1329 53 2 2564 29 2337 0.00E+00 1501.5
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026782 6596 911 UdeM00000026782 XP_045212561.1 66.1 697
 229 4 28 721 7 699 9.70E-262 911 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026783 6565 167.5 UdeM00000026783 XP_022317569.1 56.4 638
 190 8 24 658 17 569 5.50E-38 167.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026784 6596 577.4 UdeM00000026784 XP_045212564.1 66.4 449
 130 10 1 432 26 470 1.50E-161 577.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026785 29159 323.2 UdeM00000026785 XP_034322590.1 46.6 365
 160 8 5 339 7 366 4.10E-85 323.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026786 46514 112.8 UdeM00000026786 XP_038055793.1 35.9 206
 116 4 11 204 181 382 7.00E-22 112.8 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000026787 6596 461.8 UdeM00000026787 XP_045187415.1 40.2 617
 349 10 4 613 3 606 1.30E-126 461.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026790 6596 459.5 UdeM00000026790 XP_045187415.1 40.2 615
 342 11 9 613 8 606 6.60E-126 459.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026792 6596 232.3 UdeM00000026792 XP_045159151.1 46.6 219
 117 0 9 227 297 515 6.30E-58 232.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026793 6596 453.4 UdeM00000026793 XP_045187415.1 40 615
 343 11 9 613 8 606 4.70E-124 453.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026794 6579 443.7 UdeM00000026794 XP_033737001.1 36 619
 372 7 8 623 34 631 3.80E-121 443.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026795 225164 98.6 UdeM00000026795 XP_009062157.1 34.8
 164 105 2 7 169 28 190 3.30E-17 98.6 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000026797 225164 96.3 UdeM00000026797 XP_009062157.1 34.4
163 105 2 8 169 29 190 1.60E-16 96.3 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000026798 6573 86.7 UdeM00000026798 XP_021375023.1 35.2 125
80 1 47 170 38 162 3.50E-14 86.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026800 6596 272.7 UdeM00000026800 XP_045212587.1 57.8 223
94 0 1 223 140 362 4.20E-70 272.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026801 400727 1110.5 UdeM00000026801 XP_025086735.1
75.2 726 168 4 1 718 1 722 0.00E+00 1110.5

400727 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000026802 1735272 237.3 UdeM00000026802 XP_041348564.1 44.7
291 137 3 251 518 291 580 5.20E-59 237.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026803 6500 137.1 UdeM00000026803 XP_005093832.1 43.4 182
98 2 295 472 223 403 6.70E-29 137.1 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000026805 4232 180.6 UdeM00000026805 XP_021992378.1 81.7 104
19 0 1 104 68 171 1.00E-42 180.6 4232 cellular

organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
udicotyledons;Gunneridae;Pentapetalae;asterids;campanulids;Asterales;Aste
raceae;Asteroideae;Heliantheae alliance;Heliantheae;Helianthus;Helianthus
annuus

UdeM00000026804 556484 284.3 UdeM00000026804 XP_002177462.1 81.7
164 30 0 1 164 1 164 1.00E-73 284.3 556484

cellular
organisms;Eukaryota;Sar;Stramenopiles;Ochrophyta;Bacillariophyta;Bacillar
iophyceae;Bacillariophycidae;Naviculales;Phaeodactylaceae;Phaeodactylum;P
haeodactylum tricorutum;Phaeodactylum tricorutum CCAP 1055/1

UdeM00000026806 29159 236.9 UdeM00000026806 XP_034316161.1 42.9 287
158 4 1 284 718 1001 3.30E-59 236.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026807 7725 262.7 UdeM00000026807 XP_039256161.1 77.5 160
36 0 12 171 19 178 3.30E-67 262.7 7725 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
clava
UdeM00000026808 6596 1410.2 UdeM00000026808 XP_045210947.1 49.8
2049 816 42 22 1898 122 2130 0.00E+00 1410.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026810 6579 141.7 UdeM00000026810 XP_033756850.1 65.5 116
39 1 1 115 1 116 7.00E-31 141.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026811 1735272 2868.6 UdeM00000026811 XP_041363716.1
58.9 2749 944 45 4 2643 21 2693 0.00E+00 2868.6
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026811 1735272 429.9 UdeM00000026811 XP_041363716.1 29.1
2421 1213 83 5412 7709 2937 4976 7.10E-116 429.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026812 1735272 2869.7 UdeM00000026812 XP_041363718.1
59.2 2731 936 44 4 2632 21 2675 0.00E+00 2869.7
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026812 1735272 429.9 UdeM00000026812 XP_041363718.1 29.1
2421 1213 83 5401 7698 2919 4958 7.10E-116 429.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026813 29159 150.2 UdeM00000026813 XP_034313442.1 56.7 134
53 4 34 165 5177 5307 2.50E-33 150.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026815 29159 94 UdeM00000026815 XP_034339171.1 39.5 124
72 2 7 127 564 687 1.60E-16 94 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026817 6596 117.5 UdeM00000026817 XP_045212290.1 54.9 102
 45 1 123 224 118 218 2.20E-23 117.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026818 7574 179.9 UdeM00000026818 XP_013387012.1 47 304
 126 8 6 297 4 284 4.90E-42 179.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000026819 6596 125.9 UdeM00000026819 XP_045212283.1 63.9 97
 34 1 18 114 10 105 6.00E-26 125.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026820 1735272 535.8 UdeM00000026820 XP_041364224.1 33.7
 912 538 23 16 874 129 1026 3.30E-148 535.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026821 6573 481.5 UdeM00000026821 XP_021344281.1 40.9 616
 345 10 33 635 2366 2975 1.70E-132 481.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026822 6596 765.8 UdeM00000026822 XP_045212287.1 51.5 705
 334 6 1018 1720 338 1036 1.20E-217 765.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026823 6689 293.5 UdeM00000026823 XP_027238029.1 92.5 146
 11 0 1 146 1 146 1.50E-76 293.5 6689 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus vannamei
 UdeM00000026824 6579 610.9 UdeM00000026824 XP_033755014.1 47.2 829
 378 17 11 805 1029 1831 2.30E-171 610.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026825 7054 65.1 UdeM00000026825 XP_031346849.1 41.4 87
 49 1 39 123 69 155 9.80E-08 65.1 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000026826 6565 779.6 UdeM00000026826 XP_022319461.1 44.8 1015
 520 20 8 1015 46 1027 4.80E-222 779.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026827 400727 141.4 UdeM00000026827 XP_025080377.1 35.5
203 126 1 43 240 26 228 1.60E-30 141.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000026828 6565 457.2 UdeM00000026828 XP_022319465.1 37.9 847
485 17 6 830 3 830 4.80E-125 457.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026829 6596 339.3 UdeM00000026829 XP_045197975.1 67.5 246
79 1 78 323 1666 1910 6.10E-90 339.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026830 29159 99.4 UdeM00000026830 XP_034307341.1 42.9 98
56 0 11 108 211 308 3.00E-18 99.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026831 6565 420.2 UdeM00000026831 XP_022319461.1 40.7 678
341 17 28 670 32 683 9.70E-114 420.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026832 6565 420.2 UdeM00000026832 XP_022319461.1 40.7 678
341 17 28 670 32 683 9.70E-114 420.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026833 29159 1032.7 UdeM00000026833 XP_011437708.2 38.1
1842 1032 43 96 1873 3 1799 5.70E-298 1032.7
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026834 6596 663.3 UdeM00000026834 XP_045211746.1 64.9 465
163 0 128 592 9 473 2.90E-187 663.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026835 225164 170.2 UdeM00000026835 XP_009063528.1 41
205 120 1 1 205 1 204 2.70E-39 170.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
Lottiidae;Lottia;Lottia gigantea

UdeM00000026836 6596 1544.6 UdeM00000026836 XP_045211745.1 65.9
1141 359 7 11 1124 83 1220 0.00E+00 1544.6 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026837 6596 736.1 UdeM00000026837 XP_045211741.1 49.4 1147
446 17 1 1125 1 1035 7.20E-209 736.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026838 6565 340.9 UdeM00000026838 XP_022317771.1 64.7 252
89 0 1 252 1 252 1.40E-90 340.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026839 6596 410.2 UdeM00000026839 XP_045170790.1 56.9 360
155 0 7 366 11 370 2.90E-111 410.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026840 6596 793.1 UdeM00000026840 XP_045214161.1 33.4 1430
807 31 10 1322 143 1544 5.50E-226 793.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026841 29159 735.7 UdeM00000026841 XP_011433534.2 77.8 491
106 2 1 490 1 489 3.80E-209 735.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026842 6596 372.9 UdeM00000026842 XP_045211860.1 44.2 446
223 7 12 438 83 521 5.80E-100 372.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026843 6596 341.3 UdeM00000026843 XP_045213472.1 72.9 218
59 0 151 368 119 336 1.60E-90 341.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026844 6573 371.3 UdeM00000026844 XP_021380172.1 54 341
151 5 115 453 4 340 1.80E-99 371.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026845 1735272 253.8 UdeM00000026845 XP_041364680.1 75.4
171 39 2 51 220 49 217 3.00E-64 253.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026846 6573 1426.8 UdeM00000026846 XP_021369729.1 75.1
927 229 1 2 928 3 927 0.00E+00 1426.8 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026847 6596 417.9 UdeM00000026847 XP_045214925.1 35.5 679
398 11 5 660 1 662 2.30E-113 417.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026848 6596 920.6 UdeM00000026848 XP_045210941.1 66.9 695
223 5 4 694 2833 3524 1.20E-264 920.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026849 6596 646.4 UdeM00000026849 XP_045210941.1 61.7 519
197 2 1 518 2305 2822 3.20E-182 646.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026850 6579 2560 UdeM00000026850 XP_033755477.1 57.9 2310
920 19 124 2423 131 2398 0.00E+00 2560 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026851 6579 62 UdeM00000026851 XP_033741736.1 56.5 46
20 0 24 69 796 841 4.00E-07 62 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026852 6500 144.4 UdeM00000026852 XP_005097310.1 52 123
56 1 89 211 28 147 1.60E-31 144.4 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000026853 1735272 68.6 UdeM00000026853 XP_041360711.1 34.7
101 62 1 5 101 6 106 5.60E-09 68.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026854 1735272 65.9 UdeM00000026854 XP_041360711.1 33.7
101 63 1 5 101 6 106 3.60E-08 65.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026855 6596 872.8 UdeM00000026855 XP_045211700.1 59.3 865
 309 13 1 853 1 834 3.40E-250 872.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026856 6596 509.6 UdeM00000026856 XP_045214810.1 81.9 310
 56 0 1 310 1 310 2.80E-141 509.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026857 6596 259.2 UdeM00000026857 XP_045215009.1 52.8 233
 107 2 1 230 1 233 5.00E-66 259.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026858 6596 268.1 UdeM00000026858 XP_045215009.1 56.8 220
 92 2 15 231 15 234 1.10E-68 268.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026859 6596 259.2 UdeM00000026859 XP_045215009.1 54.1 220
 98 2 15 231 15 234 4.90E-66 259.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026860 6596 599 UdeM00000026860 XP_045198360.1 60.6 469
 173 5 11 478 25 482 5.40E-168 599 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026862 6579 1354.7 UdeM00000026862 XP_033758019.1 66.3
 1353 378 12 7 1328 9 1314 0.00E+00 1354.7 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026861 6579 1355.5 UdeM00000026861 XP_033758019.1 66.3
 1353 378 12 18 1339 9 1314 0.00E+00 1355.5 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026863 6596 181.8 UdeM00000026863 XP_045209807.1 53.7 175
 80 1 1 174 1 175 7.50E-43 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026865 6565 190.3 UdeM00000026865 XP_022327899.1 53.6 168
 78 0 7 174 4 171 2.10E-45 190.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026866 6565 195.3 UdeM00000026866 XP_022327899.1 55 169
 76 0 7 175 4 172 6.60E-47 195.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026867 29159 69.3 UdeM00000026867 XP_034317284.1 41.9 93
 48 3 1 90 109 198 3.60E-09 69.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026868 6579 150.2 UdeM00000026868 XP_033728731.1 47 166
 65 2 9 151 11 176 2.10E-33 150.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026869 6596 64.3 UdeM00000026869 XP_045187287.1 39.8 88
 48 2 6 93 522 604 1.20E-07 64.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026870 6596 297 UdeM00000026870 XP_045187276.1 49.4 318
 148 1 3 320 277 581 3.40E-77 297 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026871 6596 251.1 UdeM00000026871 XP_045187277.1 62.4 202
 76 0 1 202 1 202 1.20E-63 251.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026872 6565 748 UdeM00000026872 XP_022325896.1 51.9 771
 290 12 12 767 19 723 1.20E-212 748 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026873 6596 404.4 UdeM00000026873 XP_045214091.1 70.9 268
 71 1 5 272 3 263 1.10E-109 404.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026874 1735272 143.7 UdeM00000026874 XP_041363031.1 53.8
 119 55 0 9 127 35 153 1.70E-31 143.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026875 6579 739.6 UdeM00000026875 XP_033744648.1 43.5 1086
491 25 21 1064 681 1685 5.70E-210 739.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026876 6596 719.2 UdeM00000026876 XP_045214093.1 56.2 641
267 4 27 666 33 660 5.10E-204 719.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026877 386614 333.6 UdeM00000026877 XP_032896621.1 51.2
338 142 7 1 326 1 327 1.40E-87 333.6 386614
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
UdeM00000026878 386614 333.6 UdeM00000026878 XP_032896621.1 51.2
338 142 7 1 326 1 327 1.40E-87 333.6 386614
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
UdeM00000026879 6596 132.5 UdeM00000026879 XP_045212429.1 71.9 89
25 0 1 89 1 89 2.70E-28 132.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026880 6579 228 UdeM00000026880 XP_033747412.1 57.3 178
74 1 1 176 5 182 9.20E-57 228 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026881 6596 1119 UdeM00000026881 XP_045214177.1 63.1 949
299 18 1 929 1 918 0.00E+00 1119 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026882 6573 387.1 UdeM00000026882 XP_021379429.1 58 348
132 5 11 347 4 348 2.40E-104 387.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026883 6573 400.2 UdeM00000026883 XP_021379429.1 56.7 374
146 6 5 365 4 374 2.90E-108 400.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026884 7574 313.5 UdeM00000026884 XP_013389988.1 55.3 264
117 1 10 273 5 267 2.60E-82 313.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000026887 6596 268.1 UdeM00000026887 XP_045215009.1 57.3 218
90 2 16 230 16 233 1.10E-68 268.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026889 6596 186 UdeM00000026889 XP_045216906.1 33.5 355
112 7 1 233 1 353 5.30E-44 186 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026891 29159 65.5 UdeM00000026891 XP_034317668.1 60.8 51
20 0 42 92 817 867 4.30E-08 65.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026892 7906 85.5 UdeM00000026892 XP_034777329.1 33.6 146
89 4 5 143 113 257 6.60E-14 85.5 7906 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenserioidei;Acipenseridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000026893 1735272 675.2 UdeM00000026893 XP_041363084.1 83.1
391 65 1 5 394 17 407 4.90E-191 675.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026894 1735272 533.5 UdeM00000026894 XP_041363084.1 68.8
391 60 2 5 333 17 407 2.00E-148 533.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026895 7739 77.8 UdeM00000026895 XP_035659254.1 38.3 133
73 5 6 132 37 166 1.20E-11 77.8 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000026896 1735272 432.6 UdeM00000026896 XP_041363084.1 81.9
254 45 1 5 257 17 270 3.70E-118 432.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000044340 37032 72.8 UdeM00000044340 XP_029777003.1 26.8 246
144 9 79 296 18 255 8.30E-10 72.8 37032 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria

;Boreoeutheria;Laurasiatheria;Carnivora;Feliformia;Herpestidae;Suricata;S
uricata suricatta
UdeM00000044339 6579 65.5 UdeM00000044339 XP_033760293.1 24.4 283
178 9 47 302 94 367 1.40E-07 65.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014057 6596 145.6 UdeM00000014057 XP_045201962.1 39 213
96 5 81 269 74 276 9.20E-32 145.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014058 400727 157.5 UdeM00000014058 XP_025116054.1 36.1
296 152 10 134 394 30 323 4.10E-35 157.5 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000014059 7604 112.8 UdeM00000014059 XP_033646908.1 31.7 221
128 6 12 216 404 617 1.10E-21 112.8 7604 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
atida;Asteroiidae;Asteroidea;Asteroidea rubens
UdeM00000014060 400727 154.1 UdeM00000014060 XP_025101777.1 29.4
374 239 9 22 376 455 822 4.90E-34 154.1 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000014061 37653 219.5 UdeM00000014061 XP_014782122.1 40.2 264
155 2 145 407 131 392 7.60E-54 219.5 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000014062 400727 129.8 UdeM00000014062 XP_025101495.1 35.9
223 120 7 79 283 2878 3095 5.50E-27 129.8 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000014063 400727 134.4 UdeM00000014063 XP_025101593.1 26.7
389 228 12 23 377 981 1346 3.80E-28 134.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000014065 400727 158.3 UdeM00000014065 XP_025101777.1 29.7
374 211 10 23 372 456 801 2.50E-35 158.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014066 400727 147.9 UdeM00000014066 XP_025101777.1 28.7
 387 211 11 23 385 456 801 3.50E-32 147.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000014067 400727 189.1 UdeM00000014067 XP_025101777.1 34.9
 387 206 14 45 409 456 818 1.30E-44 189.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000014068 400727 149.8 UdeM00000014068 XP_025116054.1 34.8
 296 144 10 131 379 30 323 9.10E-33 149.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000014069 6596 295.4 UdeM00000014069 XP_045156670.1 29.7 667
 439 11 93 749 57 703 2.00E-76 295.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000014071 6596 414.8 UdeM00000014071 XP_045201284.1 62.9 334
 107 6 1 320 28 358 9.70E-113 414.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000014072 6596 509.6 UdeM00000014072 XP_045204674.1 47.7 575
 291 6 1 570 7 576 5.20E-141 509.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000014073 6596 297 UdeM00000014073 XP_045204106.1 49.1 328
 159 3 1 321 103 429 3.40E-77 297 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000014074 6596 459.9 UdeM00000014074 XP_045204106.1 52 456
 208 5 8 453 15 469 3.90E-126 459.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000014075 29159 61.2 UdeM00000014075 XP_034300591.1 31.8 107
 71 2 1 106 309 414 9.40E-07 61.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014076 6579 458 UdeM00000014076 XP_033757991.1 33.9 881
 506 18 29 897 55 871 2.80E-125 458 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014077 6565 118.6 UdeM00000014077 XP_022325149.1 40.6 160
 94 1 10 168 797 956 8.20E-24 118.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014078 6596 112.5 UdeM00000014078 XP_045202954.1 46.3 123
 65 1 15 136 393 515 5.80E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014079 6579 453.4 UdeM00000014079 XP_033746771.1 33.4 876
 513 15 28 891 33 850 7.00E-124 453.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014080 6579 451.4 UdeM00000014080 XP_033757991.1 33 896
 520 17 13 895 43 871 2.60E-123 451.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014081 1735272 171.8 UdeM00000014081 XP_041347857.1 32.7
 321 180 3 35 351 37 325 1.60E-39 171.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014082 6579 127.5 UdeM00000014082 XP_033757991.1 56.8 111
 46 2 1 109 709 819 1.40E-26 127.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014083 6573 452.6 UdeM00000014083 XP_021346851.1 32.5 873
 520 15 29 891 32 845 1.20E-123 452.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014084 6579 455.3 UdeM00000014084 XP_033746771.1 33.7 835
 488 14 4 832 74 848 1.70E-124 455.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014085 6579 451.1 UdeM00000014085 XP_033746771.1 33.8 835
 488 15 4 832 74 849 3.20E-123 451.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014086 6596 355.9 UdeM00000014086 XP_045163753.1 71.4 231
 66 0 29 259 18 248 4.40E-95 355.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014087 6596 482.3 UdeM00000014087 XP_045161284.1 65.3 395
90 5 1 394 1 349 6.10E-133 482.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014088 6596 424.9 UdeM00000014088 XP_045161284.1 72.8 294
75 3 1 293 1 290 9.10E-116 424.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014089 441366 381.7 UdeM00000014089 XP_028318209.1 63.3
264 97 0 8 271 555 818 7.70E-103 381.7 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000014090 6565 293.9 UdeM00000014090 XP_022309566.1 55.9 213
94 0 4 216 663 875 1.70E-76 293.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014091 151771 111.3 UdeM00000014091 XP_028408207.1 39.5
157 94 1 84 240 138 293 1.70E-21 111.3 151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000014092 6565 370.9 UdeM00000014092 XP_022308109.1 57.8 263
111 0 3 265 513 775 1.40E-99 370.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014093 50390 453.8 UdeM00000014093 XP_028152419.1 53.6 366
170 0 5 370 207 572 2.20E-124 453.8 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000014095 6596 78.6 UdeM00000014095 XP_045157916.1 34.8 141
90 2 8 147 689 828 8.80E-12 78.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014096 6596 219.2 UdeM00000014096 XP_045201803.1 37.2 355
 169 9 99 404 114 463 9.80E-54 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014099 6573 61.2 UdeM00000014099 XP_021341725.1 60.4 48
 19 0 1 48 1 48 7.80E-07 61.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014100 6579 224.6 UdeM00000014100 XP_033731739.1 57.2 173
 74 0 1 173 206 378 1.00E-55 224.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014101 6579 394.4 UdeM00000014101 XP_033731739.1 61.8 280
 107 0 1 280 99 378 1.20E-106 394.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014109 6596 213 UdeM00000014109 XP_045201803.1 32.3 409
 224 9 49 417 68 463 7.30E-52 213 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014110 6596 200.3 UdeM00000014110 XP_045201803.1 32.8 400
 217 11 58 410 69 463 4.80E-48 200.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014111 6596 200.3 UdeM00000014111 XP_045201803.1 32.8 400
 217 11 65 417 69 463 4.90E-48 200.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014115 6596 103.2 UdeM00000014115 XP_045200359.1 41.5 340
 145 7 1 298 1 328 5.80E-19 103.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014116 6596 84.7 UdeM00000014116 XP_045200359.1 44.2 267
 127 3 4 256 70 328 1.80E-13 84.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014117 6596 729.6 UdeM00000014117 XP_045201446.1 64 641
 206 9 1 633 1 624 3.50E-207 729.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014118 6596 129.8 UdeM00000014118 XP_045201451.1 68.7 83
 26 0 1 83 1 83 1.60E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014119 6500 185.3 UdeM00000014119 XP_035829589.1 34.1 419
 224 14 109 508 206 591 2.10E-43 185.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tiptleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000014120 6596 261.9 UdeM00000014120 XP_045201951.1 47.4 291
 149 2 1 289 1 289 9.70E-67 261.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014121 6596 259.2 UdeM00000014121 XP_045201951.1 47.9 292
 148 2 1 290 1 290 6.30E-66 259.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014122 6565 714.5 UdeM00000014122 XP_022341021.1 62.6 559
 204 4 69 624 73 629 1.20E-202 714.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014123 6596 308.9 UdeM00000014123 XP_045201064.1 57.1 294
 121 3 8 297 7 299 7.20E-81 308.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014124 29159 98.2 UdeM00000014124 XP_034318586.1 43.5 138
 73 3 132 264 224 361 4.20E-17 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014125 29159 73.6 UdeM00000014125 XP_011453058.2 29.1 158
 101 5 92 242 158 311 4.00E-10 73.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014127 29159 68.9 UdeM00000014127 XP_011453058.2 26 154
 103 3 37 184 163 311 7.50E-09 68.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014128 29159 102.1 UdeM00000014128 XP_011453058.2 28.5 239
152 8 6 231 76 308 1.00E-18 102.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014129 6573 77.8 UdeM00000014129 XP_021340408.1 33.1 133
85 2 36 164 211 343 1.40E-11 77.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014130 6596 102.1 UdeM00000014130 XP_045200770.1 30.4 276
175 8 17 284 6 272 1.20E-18 102.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014131 6596 203.8 UdeM00000014131 XP_045193707.1 37.9 282
174 1 1 281 11 292 4.70E-49 203.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014133 6596 97.8 UdeM00000014133 XP_045202063.1 31.3 265
169 7 26 284 16 273 2.30E-17 97.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014134 29159 97.4 UdeM00000014134 XP_011453058.2 30 280
173 10 17 282 38 308 3.10E-17 97.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014135 6596 213 UdeM00000014135 XP_045193707.1 39.7 282
169 1 1 281 11 292 7.70E-52 213 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014138 6596 142.9 UdeM00000014138 XP_045214901.1 25.2 404
274 11 8 402 50 434 1.20E-30 142.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000014139 6573 142.1 UdeM00000014139 XP_021350427.1 22.9 783
472 30 4 697 32 771 2.60E-30 142.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014140 6565 102.8 UdeM00000014140 XP_022287876.1 42.6 136
66 2 2 137 813 936 3.60E-19 102.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000014141 45264 92.8 UdeM00000014141 XP_044165535.1 32.8 174
105 3 1 162 435 608 5.20E-16 92.8 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora
UdeM00000014142 6596 192.2 UdeM00000014142 XP_045199744.1 24.5 881
413 21 1 643 1 867 2.10E-45 192.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000014143 6596 213.4 UdeM00000014143 XP_045199681.1 27.6 673
458 15 51 713 74 727 9.80E-52 213.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000014144 6565 215.3 UdeM00000014144 XP_022291968.1 28.1 631
415 16 8 620 279 888 2.20E-52 215.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000014145 6596 231.1 UdeM00000014145 XP_045157684.1 30.2 679
442 19 44 711 41 698 4.50E-57 231.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000014146 6573 60.1 UdeM00000014146 XP_021363676.1 59.6 47
19 0 33 79 129 175 1.50E-06 60.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014147 6596 216.5 UdeM00000014147 XP_045179344.1 27.6 674
437 22 73 715 168 821 1.20E-52 216.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000014148 1735272 573.5 UdeM00000014148 XP_041357332.1 93.7
301 19 0 1 301 3 303 1.60E-160 573.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000014149 1735272 218 UdeM00000014149 XP_041354210.1 26.9
651 390 18 17 617 88 702 3.50E-53 218 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014151 6596 198.4 UdeM00000014151 XP_045194217.1 33.3 447
 248 16 3 432 114 527 2.30E-47 198.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014150 6596 197.6 UdeM00000014150 XP_045194217.1 32.3 474
 271 16 48 504 87 527 4.50E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014152 6596 198.4 UdeM00000014152 XP_045187249.1 33.5 466
 249 18 34 481 375 797 2.50E-47 198.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014153 6596 197.6 UdeM00000014153 XP_045194217.1 33.5 478
 260 18 48 504 87 527 4.50E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014155 6596 172.9 UdeM00000014155 XP_045194217.1 34.5 371
 197 13 48 407 87 422 8.60E-40 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014156 6596 431 UdeM00000014156 XP_045201257.1 59.1 413
 151 2 63 463 34 440 1.90E-117 431 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014157 6596 594.7 UdeM00000014157 XP_045201256.1 64.8 483
 154 4 123 589 64 546 1.30E-166 594.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014158 6596 398.7 UdeM00000014158 XP_045202154.1 69.3 290
 84 1 19 303 15 304 6.80E-108 398.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014159 6596 618.6 UdeM00000014159 XP_045199514.1 67 509
 143 12 1 498 1 495 6.90E-174 618.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014160 6596 153.7 UdeM00000014160 XP_045214901.1 27.6 395
 271 5 15 404 62 446 1.20E-33 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014161 6596 773.9 UdeM00000014161 XP_045200495.1 51.4 937
 353 21 123 980 76 989 2.60E-220 773.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014162 6596 106.7 UdeM00000014162 XP_045200495.1 34.4 334
 157 12 2 285 668 989 5.90E-20 106.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014163 29159 459.9 UdeM00000014163 XP_011426483.2 63.3 338
 123 1 2 339 3 339 2.80E-126 459.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014164 29159 396.7 UdeM00000014164 XP_034329313.1 64.1 287
 102 1 2 288 3 288 2.50E-107 396.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014165 6596 408.3 UdeM00000014165 XP_045199549.1 46.9 441
 214 6 3 429 64 498 1.20E-110 408.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014166 2652724 152.1 UdeM00000014166 XP_020903442.1 33.3
 309 172 5 9 286 2 307 1.00E-33 152.1 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000014167 6565 417.5 UdeM00000014167 XP_022295544.1 46.7 488
 232 6 7 475 18 496 2.20E-113 417.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014168 6596 477.2 UdeM00000014168 XP_045199549.1 50.1 483
 219 7 19 486 22 497 2.40E-131 477.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014169 7668 173.3 UdeM00000014169 XP_030839944.1 35.8 293
 107 5 13 303 138 351 6.10E-40 173.3 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;

Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000014170 7757 120.2 UdeM00000014170 XP_032837241.1 39.4 180
94 6 19 190 96 268 3.70E-24 120.2 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000014172 6579 738 UdeM00000014172 XP_033759442.1 89.1 411
42 2 138 547 22 430 8.50E-210 738 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014173 6596 1295 UdeM00000014173 XP_045199841.1 58.9 1115
369 5 1 1061 1 1080 0.00E+00 1295 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014174 6596 295.4 UdeM00000014174 XP_045201413.1 48.1 295
147 2 7 301 3 291 8.90E-77 295.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014175 6596 343.6 UdeM00000014175 XP_045201128.1 34.4 524
298 9 31 512 85 604 4.70E-91 343.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014176 7574 318.5 UdeM00000014176 XP_013389170.1 37.4 465
262 12 6 444 679 1140 1.30E-83 318.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000014178 7574 240.4 UdeM00000014178 XP_013419235.1 44.4 252
127 3 8 246 186 437 2.60E-60 240.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000014177 6596 119.8 UdeM00000014177 XP_045201128.1 44 134
72 2 14 147 705 835 3.20E-24 119.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014179 29159 1289.6 UdeM00000014179 XP_011443137.1 87.6
723 90 0 1 723 1 723 0.00E+00 1289.6

29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014180 6579 483.4 UdeM00000014180 XP_033759982.1 80.4 280
55 0 1 280 1 280 1.90E-133 483.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014181 6565 476.5 UdeM00000014181 XP_022342327.1 84.8 256
39 0 1 256 1 256 2.20E-131 476.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014182 400727 59.3 UdeM00000014182 XP_025099449.1 21
200 137 4 10 191 132 328 6.20E-06 59.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014184 6565 111.7 UdeM00000014184 XP_022341973.1 94.8 58
3 0 1 58 705 762 3.20E-22 111.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014185 6579 1297.3 UdeM00000014185 XP_033759377.1 86.9
761 98 2 3 762 4 763 0.00E+00 1297.3 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014186 50390 175.6 UdeM00000014186 XP_028127913.1 44.7 199
109 1 1 199 1 198 6.20E-41 175.6 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera

UdeM00000014187 6579 349.4 UdeM00000014187 XP_033760753.1 32.4 722
384 13 6 655 5 694 1.00E-92 349.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014191 6596 476.1 UdeM00000014191 XP_045199452.1 77.3 295
66 1 5 298 6 300 3.30E-131 476.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000014192 225164 119.8 UdeM00000014192 XP_009056574.1 84.4
64 10 0 3 66 65 128 2.40E-24 119.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae; Lottiidae;Lottia;Lottia gigantea

UdeM00000014193 6596 275.8 UdeM00000014193 XP_045200097.1 59.8 254
79 5 4 247 5 245 5.50E-71 275.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014194 6596 775.8 UdeM00000014194 XP_045200357.1 84.1 472
 63 3 5 465 227 697 3.10E-221 775.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014195 6596 238.8 UdeM00000014195 XP_045200353.1 81.6 152
 28 0 1 152 1 152 5.70E-60 238.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014196 6579 119.4 UdeM00000014196 XP_033728274.1 36.2 207
 101 3 1 180 1 203 4.80E-24 119.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014197 6565 527.7 UdeM00000014197 XP_022292728.1 59.1 418
 171 0 1 418 304 721 1.30E-146 527.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014198 29159 253.8 UdeM00000014198 XP_034328871.1 65.4 234
 51 3 1 233 1 205 2.10E-64 253.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014199 1735272 106.7 UdeM00000014199 XP_041346864.1 34.1
 135 88 1 55 188 12 146 4.50E-20 106.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014200 29159 150.6 UdeM00000014200 XP_019926413.2 49.7 157
 72 3 66 222 460 609 2.80E-33 150.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014200 29159 113.2 UdeM00000014200 XP_019926413.2 73.6 72
 19 0 1 72 1 72 5.00E-22 113.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014201 29159 698.7 UdeM00000014201 XP_034306709.1 43 905
 216 1 5 909 8 612 9.50E-198 698.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014202 225164 515.8 UdeM00000014202 XP_009044459.1 61.4
 417 157 3 25 441 1 413 5.60E-143 515.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000014203 6565 457.6 UdeM00000014203 XP_022341850.1 48.9 640
253 5 7 632 17 596 9.00E-125 457.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014204 6596 342.8 UdeM00000014204 XP_045195108.1 27.6 1471
623 29 82 1499 13 1094 2.20E-90 342.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014205 6596 453 UdeM00000014205 XP_045195108.1 30.6 1417
642 28 81 1491 13 1094 1.50E-123 453 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014206 6596 493 UdeM00000014206 XP_045195108.1 33 1347
630 24 81 1420 13 1094 1.20E-135 493 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014207 6573 80.5 UdeM00000014207 XP_021339530.1 45.5 88
46 2 1 87 57 143 1.20E-12 80.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014209 30331 92 UdeM00000014209 XP_044145241.1 29.4 279
185 9 1 275 214 484 1.30E-15 92 30331 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
achia;Hyloidea;Bufonidae;Bufo;Bufo gargarizans

UdeM00000014210 6596 974.2 UdeM00000014210 XP_045199987.1 64.2 790
253 14 1 769 507 1287 9.90E-281 974.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014211 29159 145.6 UdeM00000014211 XP_019926413.2 86.6 82
10 1 1 81 97 178 2.80E-32 145.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014212 29159 87.4 UdeM00000014212 XP_034305599.1 34.9 129
81 2 2 127 728 856 1.50E-14 87.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014213 6596 453.4 UdeM00000014213 XP_045199987.1 57.8 391
109 1 1 391 163 497 3.20E-124 453.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014215 6596 151.8 UdeM00000014215 XP_045199604.1 77.8 90
20 0 3 92 5 94 4.40E-34 151.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014216 6596 228.4 UdeM00000014216 XP_045199604.1 83.3 126
21 0 3 128 5 130 5.20E-57 228.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014217 29159 221.9 UdeM00000014217 XP_011441922.1 69.3 153
47 0 10 162 5 157 6.10E-55 221.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034500 7054 283.1 UdeM00000034500 XP_031350480.1 42.2 351
142 2 1 290 117 467 4.00E-73 283.1 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elaterriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000034504 37653 136 UdeM00000034504 XP_014789722.1 66 100
34 0 23 122 1529 1628 3.40E-29 136 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000034505 6596 173.3 UdeM00000034505 XP_045181000.1 49.8 215
29 1 15 150 1329 1543 2.30E-40 173.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034506 6596 83.2 UdeM00000034506 XP_045181000.1 83.3 54
8 1 46 99 1171 1223 3.10E-13 83.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034507 1735272 228 UdeM00000034507 XP_041346684.1 33.4
431 226 10 1 377 403 826 2.00E-56 228 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000034508 1735272 60.1 UdeM00000034508 XP_041379276.1 30.8
146 89 6 43 183 25 163 3.50E-06 60.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000034509 6596 280 UdeM00000034509 XP_045182317.1 40.3 427
211 9 36 441 224 627 5.40E-72 280 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000034510 7054 406 UdeM00000034510 XP_031350480.1 52.7 351
165 1 1 350 117 467 4.90E-110 406 7054 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elateriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis

UdeM00000034512 6596 164.5 UdeM00000034512 XP_045182313.1 24.5 1108
400 26 38 1098 496 1213 7.80E-37 164.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000034513 6565 189.9 UdeM00000034513 XP_022334993.1 52.5 177
82 1 21 195 374 550 3.10E-45 189.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000034514 6565 297.4 UdeM00000034514 XP_022334993.1 59.6 240
94 3 1 238 574 812 1.70E-77 297.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000034515 6596 98.2 UdeM00000034515 XP_045208792.1 43.3 134
72 3 1 132 1 132 1.30E-17 98.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000034516 6565 162.9 UdeM00000034516 XP_022337267.1 38 305
109 9 11 237 264 566 5.10E-37 162.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000034521 6565 201.8 UdeM00000034521 XP_022322655.1 53.7 175
80 1 52 225 387 561 9.30E-49 201.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000034522 29159 88.6 UdeM00000034522 XP_034299474.1 40.7 91
52 1 1 91 415 503 4.60E-15 88.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000034523 29159 126.7 UdeM00000034523 XP_034330911.1 62 92
33 2 1 91 308 398 1.60E-26 126.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000034524 90988 250.8 UdeM00000034524 XP_039535825.1 55.1 216
97 0 1 216 111 326 1.60E-63 250.8 90988 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Otomorpha; Ostariophysi; Otophysi; Cypriniphysae; Cypriniiformes; Cyprino
idei; Leuciscidae; Pogonichthyinae; Pimephales; Pimephales promelas
UdeM00000034525 50429 73.6 UdeM00000034525 XP_022804186.1 36.6 145
88 2 1 141 430 574 2.30E-10 73.6 50429 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Scleractinia; Astrocoeniina; Pocilloporidae; Stylophora; Stylophora
pistillata
UdeM00000034526 50429 70.5 UdeM00000034526 XP_022804186.1 40.9 93
52 1 1 90 430 522 1.80E-09 70.5 50429 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Scleractinia; Astrocoeniina; Pocilloporidae; Stylophora; Stylophora
pistillata
UdeM00000034530 6579 864.8 UdeM00000034530 XP_033728194.1 47.8 988
445 17 158 1094 124 1091 1.30E-247 864.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000034531 6596 441.4 UdeM00000034531 XP_045182316.1 36.9 862
384 22 43 858 408 1155 2.60E-120 441.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000034532 6596 441.4 UdeM00000034532 XP_045182316.1 36.9 862
384 22 43 858 408 1155 2.60E-120 441.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000034533 7054 474.6 UdeM00000034533 XP_031328250.1 49.3 467
235 2 1 465 1 467 1.50E-130 474.6 7054 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elat
eriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis
UdeM00000034537 7054 415.2 UdeM00000034537 XP_031328250.1 45.6 467
204 4 1 417 1 467 9.60E-113 415.2 7054 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elat
eriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis
UdeM00000034538 6596 81.3 UdeM00000034538 XP_045201969.1 39 154
80 4 1 146 19 166 1.40E-12 81.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000034539 6596 119.8 UdeM00000034539 XP_045202346.1 38.8 152
 89 2 6 156 16 164 3.20E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034544 6565 221.5 UdeM00000034544 XP_022299727.1 48.1 233
 118 2 1 231 46 277 1.30E-54 221.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034546 6565 121.7 UdeM00000034546 XP_022334993.1 37.1 213
 122 4 33 235 1 211 1.40E-24 121.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034547 6565 139.4 UdeM00000034547 XP_022334993.1 48.8 129
 66 0 25 153 327 455 3.80E-30 139.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034548 6565 65.5 UdeM00000034548 XP_022334993.1 48.6 70
 34 1 1 68 481 550 3.10E-08 65.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034549 6565 295 UdeM00000034549 XP_022334993.1 58.3 240
 98 2 1 239 574 812 8.50E-77 295 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034550 7654 70.9 UdeM00000034550 XP_041473734.1 35.5 110
 63 1 1 102 629 738 1.20E-09 70.9 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000008515 6565 175.6 UdeM00000008515 XP_022304473.1 51.3 189
 58 1 1 155 1282 1470 4.80E-41 175.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008516 6596 126.3 UdeM00000008516 XP_045170267.1 60.4 91
 36 0 65 155 480 570 3.80E-26 126.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008517 6596 424.1 UdeM00000008517 XP_045176360.1 50.3 493
 201 9 1 455 29 515 2.30E-115 424.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008518 6596 75.5 UdeM00000008518 XP_045168954.1 31.2 192
 108 5 3 172 4 193 8.50E-11 75.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008519 6565 984.6 UdeM00000008519 XP_022308017.1 36.8 1589
 881 37 3 1540 4 1520 1.50E-282 984.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008520 6565 984.6 UdeM00000008520 XP_022308017.1 36.8 1589
 881 37 3 1540 4 1520 1.50E-282 984.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008521 6565 487.3 UdeM00000008521 XP_022308017.1 33.4 943
 526 32 684 1589 13738 14615 7.60E-134 487.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008522 6565 322 UdeM00000008522 XP_022308017.1 29.5 733
 424 24 45 731 13863 14548 2.10E-84 322 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008524 2607531 681.4 UdeM00000008524 XP_036361565.1 35.6
 1025 612 25 2 1010 579 1571 6.60E-192 681.4 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000008525 2607531 681.4 UdeM00000008525 XP_036361565.1 35.6
 1025 612 25 2 1010 579 1571 6.60E-192 681.4 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000008527 6565 144.4 UdeM00000008527 XP_022308017.1 52.4 124
 58 1 1 124 447 569 9.60E-32 144.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008528 6579 161.4 UdeM00000008528 XP_033761532.1 33.7 285
 175 8 1 276 159 438 1.70E-36 161.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008530 6565 391.3 UdeM00000008530 XP_022308017.1 32 829
 437 32 130 911 13864 14612 3.30E-105 391.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008531 6565 419.9 UdeM00000008531 XP_022308017.1 33.5 802
 433 30 130 884 13864 14612 8.30E-114 419.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008532 225164 63.9 UdeM00000008532 XP_009062566.1 24.8
 359 219 10 197 548 926 1240 7.50E-07 63.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000008533 2607531 350.9 UdeM00000008533 XP_036361565.1 50
 344 158 8 11 353 1249 1579 1.30E-92 350.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008534 2607531 350.9 UdeM00000008534 XP_036361565.1 50
 344 158 8 11 353 1249 1579 1.30E-92 350.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008535 2607531 343.6 UdeM00000008535 XP_036361565.1 49
 345 162 8 11 354 1249 1580 2.10E-90 343.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008536 2607531 350.9 UdeM00000008536 XP_036361565.1 50
 344 158 8 11 353 1249 1579 1.40E-92 350.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008537 6565 637.5 UdeM00000008537 XP_022308017.1 33 1120
 617 28 99 1116 158 1246 3.20E-179 637.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008538 6596 577 UdeM00000008538 XP_045168885.1 40.2 1341
 451 33 30 1145 159 1373 8.60E-161 577 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008539 6596 144.4 UdeM00000008539 XP_045168885.1 57.8 128
 52 2 4 131 24 149 1.80E-31 144.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008540 6596 333.2 UdeM00000008540 XP_045170025.1 80.3 218
 38 4 1 218 18 230 2.50E-88 333.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008541 6596 490.3 UdeM00000008541 XP_045170427.1 73.6 303
79 1 84 386 67 368 2.20E-135 490.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008543 29159 344 UdeM00000008543 XP_034322590.1 45.6 425
186 12 5 397 7 418 2.70E-91 344 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008544 6573 158.3 UdeM00000008544 XP_021376346.1 78.3 106
22 1 1 105 1 106 6.20E-36 158.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008545 6573 158.7 UdeM00000008545 XP_021376346.1 78.3 106
22 1 1 105 1 106 4.10E-36 158.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008546 37621 78.2 UdeM00000008546 XP_014677462.1 44.9 98
30 1 1 74 38 135 6.80E-12 78.2 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000008547 37621 78.2 UdeM00000008547 XP_014677462.1 44.9 98
30 1 1 74 38 135 6.80E-12 78.2 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000008548 6573 158.3 UdeM00000008548 XP_021376346.1 78.3 106
22 1 1 105 1 106 5.60E-36 158.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008549 10116 254.6 UdeM00000008549 XP_038968845.1 60.7 201
72 2 1 195 118 317 1.40E-64 254.6 10116 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Muridae;Murinae;Rattus;Rattus norvegicus

UdeM00000008553 6596 109 UdeM00000008553 XP_045169827.1 28.9 394
216 14 3 347 329 707 1.40E-20 109 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008554 6579 342 UdeM00000008554 XP_033761856.1 49.7 300
 151 0 1 300 28 327 7.80E-91 342 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008555 6596 95.5 UdeM00000008555 XP_045168714.1 50 88
 44 0 65 152 57 144 7.10E-17 95.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008556 6596 94 UdeM00000008556 XP_045168714.1 51.8 85
 41 0 65 149 57 141 2.00E-16 94 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008557 29159 662.5 UdeM00000008557 XP_034317768.1 58.1 516
 210 2 109 619 126 640 5.20E-187 662.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008559 29159 267.3 UdeM00000008559 XP_034317768.1 68.8 173
 54 0 143 315 126 298 2.70E-68 267.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008558 29159 725.7 UdeM00000008558 XP_034317768.1 62 513
 194 1 143 655 126 637 5.30E-206 725.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008560 6565 82.4 UdeM00000008560 XP_022303321.1 69.8 53
 16 0 81 133 136 188 4.70E-13 82.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008561 6579 431 UdeM00000008561 XP_033761800.1 56.2 338
 145 3 2 337 258 594 1.40E-117 431 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008562 6579 473.8 UdeM00000008562 XP_033761800.1 53.6 388
 177 3 2 387 258 644 2.10E-130 473.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008563 29159 345.5 UdeM00000008563 XP_034317768.1 47 389
 180 5 3 386 4 371 9.30E-92 345.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008564 400727 408.3 UdeM00000008564 XP_025094271.1 64.4
 264 93 1 1 264 385 647 7.60E-111 408.3 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000008566 29159 339.3 UdeM00000008566 XP_034317768.1 44.9 425
172 7 24 443 4 371 7.20E-90 339.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008565 29159 760 UdeM00000008565 XP_034317768.1 55.2 660
269 7 24 678 4 641 2.60E-216 760 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008567 400727 411 UdeM00000008567 XP_025094271.1 65.2
264 91 1 1 264 385 647 1.20E-111 411 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000008568 6596 586.3 UdeM00000008568 XP_045216190.1 42.6 850
375 21 15 825 90 865 6.20E-164 586.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008569 6579 225.7 UdeM00000008569 XP_033761311.1 45.6 281
138 2 1 281 1 266 7.50E-56 225.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008571 6596 335.9 UdeM00000008571 XP_045167947.1 47.1 416
203 11 13 416 7 417 1.10E-88 335.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008572 6596 87.4 UdeM00000008572 XP_045168266.1 54.4 79
35 1 66 144 454 531 1.60E-14 87.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008573 6579 1164.1 UdeM00000008573 XP_033761696.1 59.3
1005 393 9 1 997 1 997 0.00E+00 1164.1 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008574 6579 1159.4 UdeM00000008574 XP_033761696.1 59.2
1007 393 10 1 999 1 997 0.00E+00 1159.4 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008575 6579 1126.3 UdeM00000008575 XP_033761696.1 58
1007 388 11 1 982 1 997 0.00E+00 1126.3 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008576 37653 344.7 UdeM00000008576 XP_014791275.1 33.7 707
352 18 181 864 122 734 3.30E-91 344.7 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000008577 37653 344.7 UdeM00000008577 XP_014791275.1 33.7 707
352 18 173 856 122 734 3.30E-91 344.7 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000008578 6579 117.1 UdeM00000008578 XP_033739317.1 36.1 191
117 3 3 193 288 473 2.60E-23 117.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008581 6579 118.2 UdeM00000008581 XP_033761565.1 54.4 103
43 1 61 159 197 299 9.30E-24 118.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008582 6500 144.1 UdeM00000008582 XP_035829052.1 44.7 208
93 5 117 302 8 215 3.10E-31 144.1 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000008583 6596 378.6 UdeM00000008583 XP_045167556.1 48 440
136 6 20 375 16 446 9.00E-102 378.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008584 7741 279.3 UdeM00000008584 XP_019622111.1 50.9 281
133 4 65 343 1 278 6.80E-72 279.3 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
UdeM00000008585 6596 480.3 UdeM00000008585 XP_045167556.1 58.9 404
151 6 21 413 23 422 2.60E-132 480.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008586 1735272 267.7 UdeM00000008586 XP_041372487.1 30.3
633 393 18 33 625 53 677 3.70E-68 267.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000008587	6573	62		UdeM00000008587	XP_021367662.1	43.1	72
36	2	28	99	174	240	5.90E-07	62 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000008588	6565	73.6		UdeM00000008588	XP_022310967.1	34.2	149
84	5	2	143	227	368	4.50E-10	73.6 6565 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000008593	225164		312	UdeM00000008593	XP_009052166.1	47.5	
335	122	4	2	322	5	299	8.90E-82 312 225164 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000008594	6573	570.5		UdeM00000008594	XP_021375189.1	34.9	911
511	20	3	851	2	892	3.70E-159	570.5 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000008595	6596	78.2		UdeM00000008595	XP_045159468.1	31.4	159
99	2	16	170	115	267	1.10E-11	78.2 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008597	6596	221.1		UdeM00000008597	XP_045170111.1	59	173
70	1	39	210	6	178	1.30E-54	221.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008598	6565	404.1		UdeM00000008598	XP_022287302.1	45	473
230	9	30	496	71	519	2.70E-109	404.1 6565 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000008599	6596	335.5		UdeM00000008599	XP_045169901.1	37.4	514
312	5	15	522	16	525	1.20E-88	335.5 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008600	6573	232.6		UdeM00000008600	XP_021376410.1	51.5	229
95	3	2	217	60	285	4.70E-58	232.6 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000008601	6573	241.1		UdeM00000008601	XP_021376410.1	52.8	231
104	3	2	232	60	285	1.40E-60	241.1 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000008602 6596 202.6 UdeM00000008602 XP_045169980.1 50 208
99 3 1 205 1 206 4.80E-49 202.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008604 7668 103.6 UdeM00000008604 XP_030845483.1 43.7 119
66 1 21 138 382 500 7.30E-19 103.6 7668 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea; Camarodonta; Echinidea; Strongylocentrotidae; Strongylocentrotus; Strongylocentrotus purpuratus

UdeM00000008611 7741 125.2 UdeM00000008611 XP_019626645.1 43 158
73 2 11 151 171 328 7.40E-26 125.2 7741 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma belcheri

UdeM00000008620 400727 354.4 UdeM00000008620 XP_025089284.1 56
336 123 2 5 315 11 346 1.80E-94 354.4 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000008621 400727 371.7 UdeM00000008621 XP_025089284.1 57.1
347 133 3 5 346 11 346 1.20E-99 371.7 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000008622 6596 698.4 UdeM00000008622 XP_045169290.1 63.2 505
179 4 20 519 3 505 7.20E-198 698.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008623 6596 146 UdeM00000008623 XP_045176242.1 50.3 143
67 3 58 199 46 185 5.30E-32 146 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008624 6596 327.4 UdeM00000008624 XP_045168397.1 44.4 385
190 9 16 384 6 382 2.50E-86 327.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008625 45264 386.3 UdeM00000008625 XP_044179186.1 58.8 318
130 1 28 345 87 403 4.20E-104 386.3 45264 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora millepora

UdeM00000008626 6596 267.3 UdeM00000008626 XP_045176530.1 47.8 272
 138 2 25 296 24 291 2.30E-68 267.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008627 6596 317.4 UdeM00000008627 XP_045168396.1 47.5 337
 161 6 1 326 28 359 2.40E-83 317.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008628 1735272 424.1 UdeM00000008628 XP_041356266.1 51.1
 407 189 4 51 454 209 608 2.30E-115 424.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008629 6596 154.5 UdeM00000008629 XP_045185048.1 35 260
 129 5 7 250 8 243 2.10E-34 154.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008630 6596 310.8 UdeM00000008630 XP_045168398.1 43.4 364
 193 5 15 367 13 374 2.70E-81 310.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008631 6596 141.4 UdeM00000008631 XP_045168396.1 51.1 137
 59 2 17 145 34 170 1.10E-30 141.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008633 6596 163.3 UdeM00000008633 XP_045168398.1 48.9 174
 72 3 39 195 5 178 3.30E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008637 6596 97.4 UdeM00000008637 XP_045157176.1 28.2 213
 143 4 1 208 1 208 2.30E-17 97.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008638 6596 411.8 UdeM00000008638 XP_045167701.1 63.3 319
 116 1 4 321 20 338 8.30E-112 411.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008639 2607531 590.5 UdeM00000008639 XP_029643543.1 29.4
 1461 822 33 187 1552 14 1359 6.40E-165 590.5 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008640 6596 79.7 UdeM00000008640 XP_045194847.1 41 100
 56 1 34 133 98 194 3.30E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008641 45264 106.3 UdeM00000008641 XP_044184037.1 31.4 194
 91 2 106 257 171 364 6.00E-20 106.3 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000008645 6596 201.4 UdeM00000008645 XP_045170403.1 82.1 117
 21 0 1 117 1 117 6.20E-49 201.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008644 6596 378.6 UdeM00000008644 XP_045170403.1 84.8 217
 33 0 1 217 1 217 5.20E-102 378.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008646 6596 729.2 UdeM00000008646 XP_045167542.1 82.9 421
 72 0 50 470 387 807 3.40E-207 729.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008648 6573 647.5 UdeM00000008648 XP_021374246.1 75.7 428
 87 6 72 484 160 585 1.40E-182 647.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008649 6596 142.1 UdeM00000008649 XP_045168183.1 81.2 85
 15 1 1 84 64 148 4.60E-31 142.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008651 6596 340.1 UdeM00000008651 XP_045169072.1 37.6 521
 295 10 6 511 5 510 5.10E-90 340.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008652 6579 332 UdeM00000008652 XP_033761736.1 35.5 555
 334 10 4 539 413 962 1.40E-87 332 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008653 29159 380.9 UdeM00000008653 XP_034309513.1 29.4 934
595 20 73 979 30 926 4.80E-102 380.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008654 6596 279.3 UdeM00000008654 XP_045168650.1 67.6 204
66 0 32 235 8 211 4.70E-72 279.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008655 6596 288.9 UdeM00000008655 XP_045168650.1 68.2 211
67 0 1 211 1 211 5.30E-75 288.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008656 6596 245.4 UdeM00000008656 XP_045168755.1 45.8 262
131 5 50 308 23 276 9.80E-62 245.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008657 6579 153.3 UdeM00000008657 XP_033762306.1 57.3 124
53 0 1 124 319 442 2.00E-34 153.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008658 6579 367.9 UdeM00000008658 XP_033762306.1 61.6 271
104 0 1 271 330 600 1.30E-98 367.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008659 6596 941.4 UdeM00000008659 XP_045168486.1 55.1 965
379 16 7 953 66 994 8.80E-271 941.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008660 6596 244.2 UdeM00000008660 XP_045167700.1 35 511
265 11 1 479 2 477 3.50E-61 244.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008661 2607531 569.3 UdeM00000008661 XP_029641406.1 57.1
527 210 4 4 525 3 518 5.20E-159 569.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000008662 2607531 571.6 UdeM00000008662 XP_029641406.1 57.1
 527 189 4 4 504 3 518 1.00E-159 571.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008663 6579 396.4 UdeM00000008663 XP_033730566.1 53.1 360
 164 1 2 356 4 363 4.00E-107 396.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008664 6596 105.1 UdeM00000008664 XP_045168645.1 81.4 102
 19 0 78 179 295 396 9.40E-20 105.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008667 6596 391.7 UdeM00000008667 XP_045169565.1 59.9 387
 119 6 1 363 1 375 6.50E-105 391.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008666 6596 391.7 UdeM00000008666 XP_045169565.1 59.9 387
 119 6 1 363 1 375 6.50E-105 391.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008665 6596 391.7 UdeM00000008665 XP_045169565.1 59.9 387
 119 6 1 363 1 375 6.50E-105 391.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008668 6596 1267.3 UdeM00000008668 XP_045167952.1 71.8
 854 223 7 1 846 1 844 0.00E+00 1267.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008669 6596 1255.7 UdeM00000008669 XP_045167952.1 70.4
 871 223 8 1 863 1 844 0.00E+00 1255.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008670 6596 223 UdeM00000008670 XP_045167484.1 48 223
 109 3 9 230 7 223 7.50E-55 223 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008671 6596 395.6 UdeM00000008671 XP_045156529.1 79.4 248
 51 0 4 251 3 250 4.80E-107 395.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008672 6565 259.2 UdeM00000008672 XP_022327962.1 53.8 238
 109 1 34 270 132 369 5.70E-66 259.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008673 6565 170.6 UdeM00000008673 XP_022327962.1 50 164
 80 1 1 162 555 718 1.60E-39 170.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008674 6596 389.8 UdeM00000008674 XP_045167947.1 48.5 454
 222 9 25 472 63 510 4.90E-105 389.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008675 6565 206.1 UdeM00000008675 XP_022304768.1 49.3 205
 103 1 1 205 308 511 4.40E-50 206.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008676 6596 288.1 UdeM00000008676 XP_045162309.1 53.5 269
 125 0 42 310 173 441 1.80E-74 288.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008677 2607531 84.3 UdeM00000008677 XP_029653524.1 30.1
 209 108 6 6 207 51 228 2.00E-13 84.3 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008679 6596 634 UdeM00000008679 XP_045169258.1 46.6 685
 352 5 13 685 52 734 2.20E-178 634 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008680 1735272 1119.8 UdeM00000008680 XP_041366905.1
 54.8 1010 447 7 112 1117 28 1031 0.00E+00 1119.8
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000008682 6596 222.6 UdeM00000008682 XP_045174680.1 55.4 186
 79 3 82 263 20 205 5.80E-55 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008683 6596 222.6 UdeM00000008683 XP_045177314.1 53.3 182
 83 2 23 203 93 273 4.50E-55 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008684 6596 159.5 UdeM00000008684 XP_045169258.1 54.1 133
 60 1 13 145 52 183 3.40E-36 159.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008685 37653 189.9 UdeM00000008685 XP_014788692.1 32.5 363
 212 8 2 350 218 561 5.60E-45 189.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000008686 7955 109.4 UdeM00000008686 XP_021326206.1 31.6 212
 138 3 13 222 9 215 2.60E-20 109.4 7955 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 ideii;Danionidae;Danioninae;Danio;Danio rerio

UdeM00000008688 6596 220.7 UdeM00000008688 XP_045174680.1 54.5 187
 81 3 47 229 19 205 1.90E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008689 6596 221.1 UdeM00000008689 XP_045162545.1 43.7 245
 122 5 30 262 29 269 1.70E-54 221.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008690 6596 192.6 UdeM00000008690 XP_045177314.1 53.5 159
 73 1 6 163 115 273 4.00E-46 192.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008691 7741 286.2 UdeM00000008691 XP_019622111.1 51.1 280
 134 3 5 283 1 278 4.60E-74 286.2 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000008692 7739 308.5 UdeM00000008692 XP_035696678.1 65.4 211
 73 0 2 212 423 633 6.50E-81 308.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000008693 6596 218.8 UdeM00000008693 XP_045169790.1 41.8 251
 130 3 28 263 35 284 8.40E-54 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008694 7741 126.3 UdeM00000008694 XP_019643784.1 65.9 82
 28 0 1 82 343 424 1.80E-26 126.3 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000008695 6573 210.7 UdeM00000008695 XP_021367410.1 32.5 449
 281 12 154 595 314 747 6.10E-51 210.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008696 6596 350.1 UdeM00000008696 XP_045180259.1 51.1 419
 169 5 154 563 35 426 5.20E-93 350.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008697 45264 216.9 UdeM00000008697 XP_044165535.1 46.4 220
 114 1 1 216 305 524 3.50E-53 216.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000008698 6596 421.4 UdeM00000008698 XP_045168679.1 57.1 380
 154 3 1 380 1 371 1.30E-114 421.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008699 6565 706.1 UdeM00000008699 XP_022307098.1 57 733
 219 14 442 1162 447 1095 1.00E-199 706.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008701 6573 92 UdeM00000008701 XP_021376432.1 55.2 67
 30 0 1 67 23 89 6.50E-16 92 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008702 6596 470.3 UdeM00000008702 XP_045171418.1 62.5 355
 125 3 110 458 86 438 2.80E-129 470.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008703 6573 215.7 UdeM00000008703 XP_021346189.1 54.5 189
 80 2 1 187 22 206 5.10E-53 215.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008705 6596 350.1 UdeM00000008705 XP_045171416.1 55.9 299
 129 2 75 373 495 790 3.40E-93 350.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008706 6596 883.2 UdeM00000008706 XP_045168393.1 86 521
 71 1 1 519 2 522 1.60E-253 883.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008707 6573 73.2 UdeM00000008707 XP_021345519.1 53.3 75
 34 1 5 78 10 84 1.70E-10 73.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008708 6565 1832 UdeM00000008708 XP_022293176.1 82.3 1093
 185 3 1 1089 1 1088 0.00E+00 1832 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008709 6579 1896.3 UdeM00000008709 XP_033762870.1 86.2
 1252 154 2 1 1233 1 1252 0.00E+00 1896.3 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008710 6579 125.6 UdeM00000008710 XP_033762073.1 48.1 106
 55 0 72 177 32 137 6.50E-26 125.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008711 6596 414.1 UdeM00000008711 XP_045187415.1 36.9 613
 366 10 9 614 8 606 3.20E-112 414.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008712 6596 422.5 UdeM00000008712 XP_045187415.1 38.3 582
 342 9 38 613 36 606 8.90E-115 422.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008713 400727 85.5 UdeM00000008713 XP_025099750.1 40
 100 56 2 158 253 1 100 1.10E-13 85.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000008714 400727 439.9 UdeM00000008714 XP_025095521.1 60.2
 379 144 2 105 480 99 473 4.20E-120 439.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000008715 6596 270.4 UdeM00000008715 XP_045168116.1 74.9 167
 41 1 16 181 7 173 1.70E-69 270.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008716 6596 249.6 UdeM00000008716 XP_045168109.1 68.1 163
 52 0 5 167 9 171 2.90E-63 249.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008718 6596 317.8 UdeM00000008718 XP_045206316.1 48.4 353
 159 4 45 377 84 433 2.30E-83 317.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008722 6596 647.5 UdeM00000008722 XP_045169531.1 70.4 456
 131 3 285 736 17 472 2.00E-182 647.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008723 6596 380.6 UdeM00000008723 XP_045168149.1 42.3 556
 242 9 45 598 22 500 3.80E-102 380.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008724 7741 283.1 UdeM00000008724 XP_019622111.1 50.7 280
 135 3 5 283 1 278 3.90E-73 283.1 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
 UdeM00000008725 6500 1990.7 UdeM00000008725 XP_005106456.1 87.4
 1353 140 5 1 1348 1 1328 0.00E+00 1990.7 6500
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000008726 1735272 195.3 UdeM00000008726 XP_041365143.1 72.3
 137 35 1 2 135 4 140 5.20E-47 195.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008727 7574 70.9 UdeM00000008727 XP_013388573.1 40 95
51 4 20 113 374 463 1.20E-09 70.9 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000008728 400727 289.7 UdeM00000008728 XP_025093647.1 64.7
215 72 1 15 229 12 222 3.40E-75 289.7 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000008729 29159 346.3 UdeM00000008729 XP_011428925.2 63.1 271
94 3 1 268 1 268 3.60E-92 346.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008730 48498 366.3 UdeM00000008730 XP_020627207.1 31.6 794
364 14 2 699 72 782 1.10E-97 366.3 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000008731 6579 195.7 UdeM00000008731 XP_033739209.1 48.3 211
97 2 9 218 2 201 7.20E-47 195.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008732 6596 476.9 UdeM00000008732 XP_045168220.1 73.5 355
66 9 49 396 24 357 2.60E-131 476.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008734 6596 468 UdeM00000008734 XP_045168220.1 69.6 375
66 9 49 416 24 357 1.20E-128 468 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008733 6596 459.5 UdeM00000008733 XP_045168214.1 74.9 334
68 8 36 358 67 395 3.90E-126 459.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008735 1735272 572.4 UdeM00000008735 XP_041367066.1 57.6
484 197 5 18 496 14 494 5.80E-160 572.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008736 6565 813.9 UdeM00000008736 XP_022307044.1 76.1 532
125 2 10 539 9 540 1.20E-232 813.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008737 29159 638.3 UdeM00000008737 XP_011435705.2 54 654
265 6 1 622 1 650 1.00E-179 638.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008738 6596 287.7 UdeM00000008738 XP_045168994.1 63.6 220
77 3 1 218 1 219 1.20E-74 287.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008741 7962 80.9 UdeM00000008741 XP_042572250.1 39.4 104
58 2 1 103 274 373 1.40E-12 80.9 7962 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
idei;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio
UdeM00000008745 225164 78.2 UdeM00000008745 XP_009045903.1 54.5
66 30 0 3 68 59 124 4.60E-12 78.2 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000008749 6596 145.2 UdeM00000008749 XP_045169083.1 45 149
82 0 6 154 5 153 7.10E-32 145.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008750 6596 145.6 UdeM00000008750 XP_045169083.1 43.6 149
84 0 6 154 5 153 5.40E-32 145.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008751 6596 79.7 UdeM00000008751 XP_045168982.1 35.3 139
85 3 73 209 18 153 5.50E-12 79.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008752 6565 91.3 UdeM00000008752 XP_022324211.1 33.9 165
92 5 36 197 33 183 3.70E-15 91.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008752 6565 75.1 UdeM00000008752 XP_022324211.1 30.3 119
81 1 363 479 644 762 2.70E-10 75.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008763 225164 128.3 UdeM00000008763 XP_009064035.1 74.7
 91 22 1 42 132 26 115 1.30E-26 128.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000008764 29159 73.9 UdeM00000008764 XP_011447406.2 40 135
 70 5 4 134 7 134 1.70E-10 73.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008765 29159 68.9 UdeM00000008765 XP_011447506.2 35.8 137
 78 4 2 132 5 137 5.60E-09 68.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008766 6596 72 UdeM00000008766 XP_045169806.1 36.8 144
 74 5 1 134 1 137 6.60E-10 72 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008768 37653 556.2 UdeM00000008768 XP_014782474.1 49.5 695
 234 16 1 591 1 682 5.50E-155 556.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000008767 37653 556.2 UdeM00000008767 XP_014782474.1 49.5 695
 234 16 1 591 1 682 5.80E-155 556.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000008769 37653 554.7 UdeM00000008769 XP_014782474.1 49.4 695
 234 16 1 590 1 682 1.70E-154 554.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000008770 6573 268.9 UdeM00000008770 XP_021342664.1 58.4 221
 92 0 1 221 1 221 6.10E-69 268.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008771 46731 71.6 UdeM00000008771 XP_027044268.1 57.7 52
 22 0 48 99 27 78 2.20E-09 71.6 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000008772 6596 233 UdeM00000008772 XP_045169115.1 61.2 327
 127 0 4 330 30 356 5.40E-58 233 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008773 6596 627.9 UdeM00000008773 XP_045168041.1 59.7 514
 207 0 7 520 814 1327 1.20E-176 627.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008774 6596 900.2 UdeM00000008774 XP_045168041.1 54.9 822
 351 8 1 816 1 808 1.90E-258 900.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008775 6596 964.9 UdeM00000008775 XP_045168392.1 53.9 878
 365 17 1 850 1 866 6.60E-278 964.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008776 6573 65.9 UdeM00000008776 XP_021373219.1 29 186
 131 1 97 281 17 202 1.00E-07 65.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008777 6573 246.1 UdeM00000008777 XP_021367908.1 49 298
 117 10 3 275 14 301 5.10E-62 246.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008778 6596 713.4 UdeM00000008778 XP_045169366.1 48.7 743
 370 6 1 741 15 748 3.10E-202 713.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008779 6565 767.3 UdeM00000008779 XP_022309151.1 54.5 696
 231 7 21 714 30 641 1.70E-218 767.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008780 29159 395.6 UdeM00000008780 XP_011432635.2 69.1 256
 79 0 1 256 48 303 4.90E-107 395.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008781 29159 329.7 UdeM00000008781 XP_011432635.2 71.8 202
 57 0 1 202 48 249 2.70E-87 329.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008782 6596 330.9 UdeM00000008782 XP_045169039.1 24.9 1667
 761 45 8 1503 7 1353 8.60E-87 330.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008783 6573 165.6 UdeM00000008783 XP_021366565.1 42.1 195
 102 5 22 207 57 249 6.90E-38 165.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008784 6596 208.8 UdeM00000008784 XP_045168149.1 49.3 207
 102 2 10 213 124 330 1.10E-50 208.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008786 6596 165.6 UdeM00000008786 XP_045168149.1 49.4 170
 79 3 8 170 180 349 1.20E-37 165.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008787 6596 200.3 UdeM00000008787 XP_045168149.1 46.4 207
 108 2 10 213 124 330 3.90E-48 200.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008788 6596 180.3 UdeM00000008788 XP_045176140.1 60.4 134
 53 0 13 146 8 141 2.30E-42 180.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008790 6573 77 UdeM00000008790 XP_021363897.1 38.1 84
 51 1 87 169 636 719 2.60E-11 77 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008791 6596 142.1 UdeM00000008791 XP_045185339.1 52.6 133
 59 2 8 140 375 503 5.30E-31 142.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008792 6596 179.9 UdeM00000008792 XP_045177580.1 33.8 328
 185 10 47 368 12 313 6.40E-42 179.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008793 6596 611.7 UdeM00000008793 XP_045177580.1 29.3 1619
 997 41 422 1985 12 1537 3.40E-171 611.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008794 303518 85.5 UdeM00000008794 XP_005737363.1 35.5
121 75 3 3 122 1350 1468 5.70E-14 85.5 303518
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
iformes;Cichlidae;African

cichlids;Pseudocrenilabrinae;Haplochromini;Pundamilia;Pundamilia nyererei

UdeM00000008795 6596 628.2 UdeM00000008795 XP_045185339.1 50.1 706
296 11 3 698 6 665 1.20E-176 628.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008796 225164 580.1 UdeM00000008796 XP_009047650.1 67.7
396 127 1 35 429 5 400 2.30E-162 580.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000008798 6573 85.9 UdeM00000008798 XP_021348414.1 37.2 129
79 2 10 137 77 204 4.70E-14 85.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008799 7913 58.5 UdeM00000008799 XP_041082893.1 35.4 96
58 2 50 143 370 463 7.90E-06 58.5 7913 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidi;Polyod
ontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula

UdeM00000008801 6596 178.3 UdeM00000008801 XP_045170610.1 72.5 109
28 1 1 109 1 107 5.20E-42 178.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008802 6596 170.2 UdeM00000008802 XP_045170610.1 71.6 109
29 2 1 109 1 107 1.40E-39 170.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008803 6596 193.7 UdeM00000008803 XP_045170610.1 77.1 109
23 1 1 109 1 107 1.20E-46 193.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008804 6596 393.3 UdeM00000008804 XP_045167777.1 42.6 524
270 10 1 513 48 551 6.10E-106 393.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008805	6596	1103.6	UdeM00000008805	XP_045167946.1	63.5				
822	298	2	36	856	37	857	0.00E+00	1103.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008806	6596	152.1	UdeM00000008806	XP_045167943.1	77.5	89			
20	0	36	124	37	125	4.60E-34	152.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008807	6526	322.4	UdeM00000008807	XP_013095701.1	65.1	415			
112	7	1	406	60	450	8.90E-85	322.4	6526	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000008808	6596	215.7	UdeM00000008808	XP_045169627.1	43.1	260			
139	6	59	312	61	317	9.10E-53	215.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008809	6573	130.6	UdeM00000008809	XP_021341869.1	33.8	240			
112	5	240	469	35	237	8.90E-27	130.6	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008810	6596	619.8	UdeM00000008810	XP_045170605.1	67	610			
198	2	4	612	3	610	3.80E-174	619.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008811	6596	352.1	UdeM00000008811	XP_045169000.1	69.5	226			
69	0	58	283	101	326	6.80E-94	352.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008812	7668	64.3	UdeM00000008812	XP_011673985.1	53.8	52			
24	0	28	79	646	697	2.50E-07	64.3	7668	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000008813	400727	1073.5	UdeM00000008813	XP_025094847.1					
74.2	697	154	2	37	707	71	767	8.0e-311	1073.5

400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000008814 1735272 136.3 UdeM00000008814 XP_041366367.1 56.6
122 51 1 7 128 70 189 2.70E-29 136.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000008815 1735272 378.3 UdeM00000008815 XP_041366367.1 64.1
273 97 1 1 273 191 462 8.60E-102 378.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000008816 6596 970.3 UdeM00000008816 XP_045168928.1 46.8 1107
538 21 2 1076 147 1234 2.00E-279 970.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008817 6565 582.4 UdeM00000008817 XP_022303819.1 46.9 653
302 9 11 661 5 614 7.30E-163 582.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008818 6596 485 UdeM00000008818 XP_045168754.1 40.1 730
385 12 6 727 10 695 1.70E-133 485 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008819 6596 485 UdeM00000008819 XP_045168754.1 40.1 730
385 12 6 727 10 695 1.70E-133 485 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008821 151771 220.3 UdeM00000008821 XP_028406951.1 34.6
419 230 10 3 393 148 550 4.30E-54 220.3 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000008822 6596 154.5 UdeM00000008822 XP_045170495.1 72 339
81 5 22 348 12 348 2.60E-34 154.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008823 6596 981.1 UdeM00000008823 XP_045168944.1 76.2 585
138 1 3 586 1 585 6.40E-283 981.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008824	6596	3391.3		UdeM00000008824	XP_045167608.1	61				
	2935	962	31	10	2859	13	2850	0.00E+00	3391.3	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008825	6596	3225.6		UdeM00000008825	XP_045167608.1	63.7				
	2606	876	20	1	2559	2853	5434	0.00E+00	3225.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008826	6579	349.7		UdeM00000008826	XP_033761447.1	56	398			
	124	5	1	397	1	348	5.20E-93	349.7	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008827	6579	321.6		UdeM00000008827	XP_033761447.1	73.8	256			
	65	2	1	255	1	255	1.80E-84	321.6	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008828	29159	958		UdeM00000008828	XP_034309394.1	70.4	673			
	133	8	1	667	1	613	6.40E-276	958	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008830	6565	305.1		UdeM00000008830	XP_022304784.1	67.1	286			
	68	10	5	272	7	284	9.20E-80	305.1	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008831	6565	337.4		UdeM00000008831	XP_022304784.1	71.7	286			
	69	9	5	286	7	284	1.80E-89	337.4	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008832	6565	355.9		UdeM00000008832	XP_022304784.1	75.5	286			
	59	9	43	325	7	284	5.40E-95	355.9	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008833	46731	98.2		UdeM00000008833	XP_027042029.1	41.8	134			
	74	2	25	157	32	162	1.00E-17	98.2	46731	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
a damicornis

UdeM00000008834	6579	252.3		UdeM00000008834	XP_033731739.1	59.2	191			
	78	0	1	191	188	378	5.00E-64	252.3	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008835 6573 61.6 UdeM00000008835 XP_021341725.1 60.4 48
19 0 40 87 1 48 6.10E-07 61.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008836 151771 372.1 UdeM00000008836 XP_028419301.1 62.8
277 102 1 10 286 161 436 6.90E-100 372.1 151771
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea
UdeM00000008837 6596 115.9 UdeM00000008837 XP_045168804.1 32.9 243
119 6 10 211 630 869 7.60E-23 115.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008838 6596 75.5 UdeM00000008838 XP_045211012.1 39.4 99
55 2 2 97 309 405 7.20E-11 75.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008839 6579 265.8 UdeM00000008839 XP_033761371.1 41.2 452
198 13 6 414 2 428 9.60E-68 265.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008842 6573 162.5 UdeM00000008842 XP_021376228.1 33.4 359
154 13 22 330 28 351 9.30E-37 162.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008840 6596 518.8 UdeM00000008840 XP_045168853.1 39.7 890
391 27 14 803 11 854 1.20E-143 518.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008841 6596 535 UdeM00000008841 XP_045168853.1 40.7 902
438 29 14 876 11 854 1.70E-148 535 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008843 6596 523.1 UdeM00000008843 XP_045168853.1 39.8 898
424 28 14 848 11 854 6.70E-145 523.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008844 29159 296.2 UdeM00000008844 XP_034309014.1 68.1 210
 65 1 44 253 39 246 4.00E-77 296.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008845 29159 135.2 UdeM00000008845 XP_034309013.1 65 103
 34 1 2 104 146 246 4.80E-29 135.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008846 6573 461.5 UdeM00000008846 XP_021376348.1 64.7 391
 123 5 27 404 66 454 1.10E-126 461.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008848 29159 762.7 UdeM00000008848 XP_011435912.1 97.8 400
 8 1 1 399 8 407 2.40E-217 762.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008847 29159 766.5 UdeM00000008847 XP_011435912.1 97.5 403
 9 1 3 404 5 407 1.60E-218 766.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008849 6596 811.6 UdeM00000008849 XP_045170569.1 49.2 821
 364 7 8 801 13 807 8.90E-232 811.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008853 6565 258.8 UdeM00000008853 XP_022306299.1 56.1 255
 80 6 1 235 1 243 7.10E-66 258.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008852 6565 484.6 UdeM00000008852 XP_022306299.1 65.2 382
 101 6 1 362 1 370 1.40E-133 484.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008854 29159 521.5 UdeM00000008854 XP_034317768.1 85.1 262
 39 0 1 262 375 636 6.00E-145 521.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008855 29159 83.2 UdeM00000008855 XP_011432002.2 31.2 215
 138 5 156 365 30 239 7.70E-13 83.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008856 6596 590.5 UdeM00000008856 XP_045169140.1 44 778
 362 17 8 777 9 720 3.20E-165 590.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008857 2607531 78.6 UdeM00000008857 XP_029639985.1 31.6
250 125 8 3 215 4 244 4.00E-11 78.6 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000008858 6573 82.8 UdeM00000008858 XP_021349553.1 42.6 141
72 4 385 524 1149 1281 1.40E-12 82.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008859 7209 351.3 UdeM00000008859 XP_003141875.1 93.4 181
12 0 1 181 1 181 7.40E-94 351.3 7209 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Spirulina;Spiruromorpha;Filarioidea;Onchocercidae;Loa;Loa loa

UdeM00000028552 29159 198.4 UdeM00000028552 XP_034318133.1 34.2 415
228 14 189 564 698 1106 2.50E-47 198.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028553 218467 86.7 UdeM00000028553 XP_023212120.1 40.8
103 61 0 1 103 16 118 5.30E-14 86.7 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000028554 1735272 249.6 UdeM00000028554 XP_041360734.1 59.6
188 73 3 6 191 642 828 3.30E-63 249.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028556 1735272 104.4 UdeM00000028556 XP_041369289.1 74.6
67 17 0 107 173 84 150 1.50E-19 104.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028557 6596 141.4 UdeM00000028557 XP_045158356.1 27.7 311
219 4 2 306 961 1271 2.70E-30 141.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028559 6565 161.8 UdeM00000028559 XP_022335825.1 42.8 180
103 0 274 453 608 787 4.30E-36 161.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028560 6596 243.8 UdeM00000028560 XP_045188551.1 59 195
 77 3 73 266 3281 3473 2.50E-61 243.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028561 6596 243 UdeM00000028561 XP_045188551.1 59 195
 77 3 40 233 3281 3473 3.70E-61 243 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028562 6596 210.3 UdeM00000028562 XP_045188551.1 60.4 159
 61 2 1 158 3316 3473 1.80E-51 210.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028564 225164 262.3 UdeM00000028564 XP_009056900.1 32.8
 482 304 8 3 469 375 851 2.80E-66 262.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000028565 29159 519.6 UdeM00000028565 XP_034336525.1 28.6 1480
 889 42 75 1502 571 1935 1.30E-143 519.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028567 441366 176.4 UdeM00000028567 XP_028296753.1 39.4
 254 146 6 6 258 32 278 5.00E-41 176.4 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000028568 6573 161 UdeM00000028568 XP_021366916.1 33.2 304
 182 6 86 387 1915 2199 3.60E-36 161 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028569 6573 394.4 UdeM00000028569 XP_021355423.1 31.4 999
 560 29 54 987 1565 2503 4.20E-106 394.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028570 6573 402.5 UdeM00000028570 XP_021355423.1 34 846
 473 26 27 821 1692 2503 1.30E-108 402.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028571 6573 181.4 UdeM00000028571 XP_021354329.1 42.5 212
 117 4 10 218 481 690 4.00E-42 181.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005646 7539 101.3 UdeM00000005646 XP_023019945.1 58.4 77
 32 0 1 77 818 894 1.40E-18 101.3 7539 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Chrysomelinae;Doryphorini;Leptinota
 rsa;Leptinotarsa decemlineata
 UdeM00000005647 50429 87.8 UdeM00000005647 XP_022808032.1 48.2 85
 44 0 1 85 392 476 8.50E-15 87.8 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000005649 1232801 74.7 UdeM00000005649 XP_043213886.1 43.5
 69 39 0 330 398 370 438 3.00E-10 74.7 1232801
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanid
 ae;Amphibalanus;Amphibalanus amphitrite
 UdeM00000005650 6596 70.9 UdeM00000005650 XP_045184309.1 35.2 142
 83 4 12 149 300 436 1.70E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005651 6596 236.5 UdeM00000005651 XP_045183385.1 53.6 209
 95 2 104 311 103 310 4.60E-59 236.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005652 6596 231.1 UdeM00000005652 XP_045185790.1 51.9 210
 99 2 102 311 101 308 1.90E-57 231.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005653 6596 83.6 UdeM00000005653 XP_045185209.1 26.1 180
 113 4 119 283 257 431 4.50E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005654 8355 104.8 UdeM00000005654 XP_041437190.1 51.7 89
 43 0 1 89 225 313 6.10E-20 104.8 8355 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoide
 a;Pipidae;Xenopodinae;Xenopus;Xenopus;Xenopus laevis

UdeM00000005655 133434 178.7 UdeM00000005655 XP_022107434.1 48.1
 181 90 3 1 178 104 283 6.60E-42 178.7 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000005657 6596 81.6 UdeM00000005657 XP_045184309.1 32.2 171
 96 5 65 220 271 436 1.40E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005658 133434 210.3 UdeM00000005658 XP_022107440.1 50.3
 191 92 1 37 227 60 247 2.60E-51 210.3 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000005659 6596 229.2 UdeM00000005659 XP_045184650.1 50 208
 102 2 54 261 103 308 6.30E-57 229.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005661 133434 222.2 UdeM00000005661 XP_022107440.1 47.3
 226 113 3 37 259 60 282 7.50E-55 222.2 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000005662 6596 82 UdeM00000005662 XP_045184309.1 32.5 166
 92 5 195 345 276 436 1.60E-12 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005663 6596 73.2 UdeM00000005663 XP_045184309.1 32.1 156
 85 6 155 295 287 436 6.50E-10 73.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005664 6573 70.1 UdeM00000005664 XP_021370011.1 25.7 350
 216 13 13 336 823 1154 6.30E-09 70.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005665 6579 544.3 UdeM00000005665 XP_033751335.1 30.9 1989
 1159 80 10 1867 432 2336 6.60E-151 544.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005667 7739 151.8 UdeM00000005667 XP_035685155.1 49 145
 68 2 22 160 86 230 7.70E-34 151.8 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae

UdeM00000005668 6596 347.4 UdeM00000005668 XP_045215420.1 63.3 251
91 1 72 322 67 316 1.90E-92 347.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005670 6087 79 UdeM00000005670 XP_012554075.1 42.3 97
52 3 4 98 84 178 5.00E-12 79 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000005671 70779 271.9 UdeM00000005671 XP_015757156.1 42.6 326
179 4 41 364 14 333 1.20E-69 271.9 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera

UdeM00000005672 6596 357.1 UdeM00000005672 XP_045215420.1 64.1 251
89 1 72 322 67 316 2.40E-95 357.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000005673 29159 130.2 UdeM00000005673 XP_034299474.1 54.6 119
50 1 20 134 350 468 2.20E-27 130.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005674 29159 72.8 UdeM00000005674 XP_034299474.1 49.3 75
34 1 1 71 394 468 2.30E-10 72.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005675 7725 132.5 UdeM00000005675 XP_039256391.1 56.8 111
44 1 7 113 136 246 3.50E-28 132.5 7725 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
clava

UdeM00000005677 7370 102.4 UdeM00000005677 XP_019893886.1 54.7 86
39 0 11 96 169 254 3.20E-19 102.4 7370 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscom
orpha;Eremoneura;Cyclorrhapha;Schizophora;Calyptratae;Muscoidea;Muscidae;
Muscinae;Muscini;Musca;Musca;Musca domestica

UdeM00000005678 1735272 115.2 UdeM00000005678 XP_041361004.1 52.8
106 49 1 1 106 76 180 5.50E-23 115.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005680 13164 172.6 UdeM00000005680 XP_022180657.1 43 186
96 3 2 177 48 233 4.80E-40 172.6 13164 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;Aphidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Myzus;Myzus persicae

UdeM00000005679 1735272 144.1 UdeM00000005679 XP_041361004.1 51.1
135 65 1 95 229 47 180 2.30E-31 144.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005681 72036 70.5 UdeM00000005681 XP_040576246.1 29 183
79 3 1 133 1 182 1.90E-09 70.5 72036 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;Caligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000005682 7725 135.6 UdeM00000005682 XP_039267079.1 51.2 125
58 2 15 137 185 308 4.90E-29 135.6 7725 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela clava

UdeM00000005687 7574 211.8 UdeM00000005687 XP_023929924.1 55.7 176
75 1 1 173 127 302 6.80E-52 211.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000005688 6596 249.2 UdeM00000005688 XP_045185790.1 55.5 209
92 1 100 308 101 308 6.80E-63 249.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005689 1735272 99.4 UdeM00000005689 XP_041361004.1 47.2
106 55 1 1 106 76 180 3.10E-18 99.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005690 6596 241.9 UdeM00000005690 XP_045185790.1 53.1 213
99 1 100 312 101 312 1.10E-60 241.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005691 6596 248.8 UdeM00000005691 XP_045184650.1 53.1 209
97 1 100 308 101 308 8.90E-63 248.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005692 6596 250 UdeM00000005692 XP_045184650.1 55 209
93 1 100 308 101 308 4.00E-63 250 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005693 6596 259.6 UdeM00000005693 XP_045185790.1 56 209
91 1 72 280 101 308 4.60E-66 259.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005694 35570 107.1 UdeM00000005694 XP_013098284.1 45.5 110
53 1 61 163 188 297 2.20E-20 107.1 35570 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;Eremoneura;Cyclorrhapha;Schizophora;Calyptratae;Muscoidea;Muscidae;Muscinae;Stomoxyni;Stomoxys;Stomoxys calcitrans

UdeM00000005695 133434 251.1 UdeM00000005695 XP_022107440.1 52.6
228 94 3 88 311 64 281 1.80E-63 251.1 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvataceae;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000005696 6596 253.8 UdeM00000005696 XP_045184650.1 54.1 209
95 1 100 308 101 308 2.80E-64 253.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005697 6596 248.1 UdeM00000005697 XP_045184650.1 54.1 209
95 1 102 310 101 308 1.50E-62 248.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005698 6573 260.4 UdeM00000005698 XP_021357933.1 67 176
58 0 1 176 1 176 1.80E-66 260.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005699 2607531 183.3 UdeM00000005699 XP_029641087.1 69.2
130 40 0 3 132 11 140 2.00E-43 183.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000005701 29159 424.5 UdeM00000005701 XP_011412923.2 82 255
46 0 1 255 1 255 9.80E-116 424.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005700 29159 424.5 UdeM00000005700 XP_011412923.2 82 255
46 0 1 255 1 255 9.80E-116 424.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000005702 6596 379 UdeM00000005702 XP_045209721.1 50.5 442
185 7 1 421 20 448 8.50E-102 379 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005703 6596 1120.5 UdeM00000005703 XP_045209513.1 80.3
747 143 2 1 747 1 743 0.00E+00 1120.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005704 6596 809.3 UdeM00000005704 XP_045209507.1 46.6 902
458 7 1 882 1 898 4.90E-231 809.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005705 6596 146 UdeM00000005705 XP_045209507.1 53.4 236
60 8 7 198 898 1127 5.20E-32 146 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005706 6596 94.7 UdeM00000005706 XP_045209506.1 26.8 436
238 16 42 465 31 397 3.70E-16 94.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005707 6596 327 UdeM00000005707 XP_045208738.1 33.9 950
415 28 1 825 23 884 9.60E-86 327 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005708 6596 263.8 UdeM00000005708 XP_045208738.1 35.1 701
284 20 8 587 15 665 5.20E-67 263.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005709 6596 218 UdeM00000005709 XP_045210433.1 68.6 245
47 10 2216 2456 2121 2339 1.30E-52 218 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000005712 6596 140.2 UdeM00000005712 XP_045210437.1 71.3 94
26 1 1 93 533 626 1.30E-30 140.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005711 6596 636.3 UdeM00000005711 XP_045210437.1 57.6 649
230 14 1 627 1 626 4.00E-179 636.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005713 6596 1162.5 UdeM00000005713 XP_045210293.1 54.4
1027 461 6 5 1026 22 1046 0.00E+00 1162.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005714 6596 434.5 UdeM00000005714 XP_045207098.1 63.8 1393
386 21 2 1354 1 1315 5.00E-118 434.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005717 6596 182.6 UdeM00000005717 XP_045209962.1 82.2 101
18 0 1 101 1 101 2.60E-43 182.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005715 6596 182.2 UdeM00000005715 XP_045209962.1 82.2 101
18 0 23 123 1 101 4.10E-43 182.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005716 6596 182.6 UdeM00000005716 XP_045209962.1 82.2 101
18 0 44 144 1 101 3.60E-43 182.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005720 6596 184.1 UdeM00000005720 XP_045209968.1 95.7 92
4 0 1 92 1 92 1.10E-43 184.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005718 6596 400.2 UdeM00000005718 XP_045209970.1 96.9 192
6 0 1 192 1 192 1.80E-108 400.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005719 6596 393.3 UdeM00000005719 XP_045209970.1 94.4 197
6 1 1 197 1 192 2.30E-106 393.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005721 6596 394.4 UdeM00000005721 XP_045209968.1 95.3 193
9 0 1 193 1 193 1.00E-106 394.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005724 6596 524.6 UdeM00000005724 XP_045209974.1 36.2 871
501 17 1051 1902 1 835 5.20E-145 524.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005725 29159 623.2 UdeM00000005725 XP_011451299.2 38.8 984
452 19 20 1000 5 841 5.60E-175 623.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005726 6596 300.8 UdeM00000005726 XP_045202339.1 36.5 657
284 19 17 582 35 649 8.90E-78 300.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005727 133901 122.5 UdeM00000005727 XP_026285677.1 28.4
285 183 7 244 515 91 367 1.70E-24 122.5 133901
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;Thripidae;Thripidae;Thripinae;Frankliniella;Frankliniella occidentalis

UdeM00000005728 133901 122.5 UdeM00000005728 XP_026285677.1 28.4
285 183 7 243 514 91 367 1.60E-24 122.5 133901
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;Thripidae;Thripidae;Thripinae;Frankliniella;Frankliniella occidentalis

UdeM00000005729 161013 135.6 UdeM00000005729 XP_034232639.1 31.5
254 155 5 250 497 284 524 1.80E-28 135.6 161013
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;Thripidae;Thripidae;Thripinae;Thrips;Thrips palmi

UdeM00000005730 1735272 1317.4 UdeM00000005730 XP_041356450.1
55.5 1166 506 10 1 1159 1 1160 0.00E+00 1317.4
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005731 1735272 622.5 UdeM00000005731 XP_041356450.1 60.2
 472 181 4 1 468 1 469 4.50E-175 622.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005732 2607531 234.2 UdeM00000005732 XP_029646130.2 42.6
 277 155 2 10 282 29 305 2.10E-58 234.2 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000005733 6596 339.7 UdeM00000005733 XP_045184057.1 49.1 336
 170 1 1 336 1 335 4.20E-90 339.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005734 6565 582 UdeM00000005734 XP_022306251.1 44.4 631
 336 7 86 708 378 1001 1.00E-162 582 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005735 1735272 181.8 UdeM00000005735 XP_041352678.1 36
 278 167 7 127 398 283 555 1.70E-42 181.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005737 6565 349 UdeM00000005737 XP_022303494.1 66.9 251
 83 0 1 251 1 251 5.10E-93 349 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005736 6596 415.2 UdeM00000005736 XP_045171270.1 65.3 326
 111 1 1 324 1 326 7.50E-113 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005739 7574 134.4 UdeM00000005739 XP_013414864.2 60.6 104
 40 1 26 128 38 141 1.00E-28 134.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000005740 7574 132.1 UdeM00000005740 XP_013414864.2 61.4 101
 38 1 1 100 41 141 4.00E-28 132.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000005741 29159 248.8 UdeM00000005741 XP_034318481.1 39.7 476
 215 16 206 624 400 860 1.80E-62 248.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005742 29159 577.8 UdeM00000005742 XP_034318481.1 52.1 681
251 17 1 624 198 860 1.70E-161 577.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005744 29159 344.7 UdeM00000005744 XP_034318481.1 78 200
44 0 1 200 1 200 7.90E-92 344.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005745 6573 572.4 UdeM00000005745 XP_021371477.1 73.6 405
99 5 1 400 1 402 4.50E-160 572.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000005746 6573 545.4 UdeM00000005746 XP_021371477.1 75 372
88 3 1 370 1 369 6.10E-152 545.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000005747 6596 610.9 UdeM00000005747 XP_045185077.1 53.4 603
245 10 6 602 5 577 1.80E-171 610.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005748 6596 282.7 UdeM00000005748 XP_045185077.1 56.8 250
105 2 1 247 328 577 4.70E-73 282.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005751 6596 373.6 UdeM00000005751 XP_045183844.1 41.4 522
251 10 22 522 65 552 4.10E-100 373.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005752 6596 306.6 UdeM00000005752 XP_045183844.1 33.4 638
249 19 10 561 10 557 6.60E-80 306.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005753 7574 612.1 UdeM00000005753 XP_013381957.1 55.1 635
207 12 44 606 64 692 9.50E-172 612.1 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
guloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000005754 7574 610.9 UdeM00000005754 XP_013381957.1 55.2 632
205 12 44 600 64 692 2.10E-171 610.9 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000005755 400727 575.5 UdeM00000005755 XP_025082169.1 62.9
480 149 4 6 457 13 491 6.40E-161 575.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005756 225164 75.1 UdeM00000005756 XP_009058199.1 38.8
103 36 2 1 103 1 76 5.90E-111 75.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000005757 6573 112.1 UdeM00000005757 XP_021367843.1 57.5 87
33 1 35 117 337 423 5.80E-22 112.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005759 6596 724.9 UdeM00000005759 XP_045183347.1 55.6 662
278 6 359 1014 359 1010 1.40E-205 724.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005760 6596 119.8 UdeM00000005760 XP_045183770.1 46.2 119
62 2 31 148 23 140 7.00E-24 119.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005761 6596 119.8 UdeM00000005761 XP_045183770.1 46.2 119
62 2 31 148 23 140 8.70E-24 119.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005762 6565 97.1 UdeM00000005762 XP_022310890.1 42.2 90
52 0 77 166 17 106 2.40E-17 97.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005763 29159 137.1 UdeM00000005763 XP_034320651.1 31.8 280
144 11 205 451 29 294 6.80E-29 137.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005766 6573 75.1 UdeM00000005766 XP_021359095.1 33 115
69 2 99 208 231 342 1.20E-10 75.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005767 6596 670.2 UdeM00000005767 XP_045193213.1 70.5 468
138 0 45 512 66 533 2.20E-189 670.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005768 6596 118.6 UdeM00000005768 XP_045184177.1 47.6 145
64 5 152 291 1 138 1.30E-23 118.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005769 1735272 82.4 UdeM00000005769 XP_041379277.1 28.5
228 149 8 51 269 33 255 1.20E-12 82.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005770 1735272 574.3 UdeM00000005770 XP_041347279.1 41.2
746 407 11 1 717 1 743 2.10E-160 574.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005771 1735272 192.6 UdeM00000005771 XP_041347279.1 70.1
117 35 0 1 117 766 882 2.90E-46 192.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005772 29159 92 UdeM00000005772 XP_011447757.2 45.2 93
45 3 115 201 223 315 1.70E-15 92 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005773 6596 157.1 UdeM00000005773 XP_045215078.1 38.9 473
188 8 22 433 3 435 5.20E-35 157.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005774 29159 92 UdeM00000005774 XP_011447757.2 45.2 93
45 3 11 97 223 315 1.30E-15 92 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005775 6596 443.7 UdeM00000005775 XP_045168364.1 51.8 570
249 7 15 561 21 587 3.40E-121 443.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005776 6596 805.8 UdeM00000005776 XP_045207434.1 52.1 721
341 4 90 809 108 825 4.90E-230 805.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000005777 6565 363.2 UdeM00000005777 XP_022306772.1 79.5 224
 44 2 5 228 26 247 2.40E-97 363.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005778 6573 223.8 UdeM00000005778 XP_021362470.1 26.4 996
 625 29 29 977 67 1001 9.70E-55 223.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005779 6573 221.5 UdeM00000005779 XP_021362470.1 26.4 1014
 624 31 68 1038 67 1001 5.10E-54 221.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005780 6596 349 UdeM00000005780 XP_045183211.1 72.6 237
 64 1 1 236 1 237 4.80E-93 349 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005781 2607531 229.9 UdeM00000005781 XP_029645013.1 30.8
 675 360 19 36 638 1290 1929 8.90E-57 229.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000005782 6596 892.5 UdeM00000005782 XP_045185208.1 41.1 1510
 725 43 235 1655 305 1738 1.00E-255 892.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005783 6579 159.8 UdeM00000005783 XP_033725483.1 31.1 366
 217 9 1 345 11 362 6.90E-36 159.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005784 6579 748 UdeM00000005784 XP_033724909.1 80.2 520
 54 8 1 478 1 513 7.20E-213 748 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005785 6579 625.2 UdeM00000005785 XP_033725354.1 71.8 440
 113 8 157 595 135 564 8.80E-176 625.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005786 29159 310.8 UdeM00000005786 XP_034330861.1 44.4 302
 162 3 73 372 740 1037 2.70E-81 310.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005787 6596 391.3 UdeM00000005787 XP_045181993.1 50.9 342
162 1 96 437 425 760 1.60E-105 391.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005788 6596 232.6 UdeM00000005788 XP_045182321.1 49.8 211
106 0 1 211 282 492 4.60E-58 232.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005789 6596 146 UdeM00000005789 XP_045181993.1 46.1 128
63 1 133 260 420 541 6.80E-32 146 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005790 6573 300.4 UdeM00000005790 XP_021354542.1 63.1 225
75 3 20 241 4 223 2.00E-78 300.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000005791 6596 103.2 UdeM00000005791 XP_045169862.1 37.5 152
71 3 61 190 7 156 4.10E-19 103.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005793 6565 218 UdeM00000005793 XP_022309494.1 40.4 267
155 3 2 264 478 744 1.40E-53 218 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005794 7668 100.1 UdeM00000005794 XP_030830869.1 39.8 118
70 1 105 221 494 611 3.70E-18 100.1 7668 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea;
Camarodonta; Echinidea; Strongylocentrotidae; Strongylocentrotus; Strongyloce
ntrotus purpuratus
UdeM00000005795 586833 99.8 UdeM00000005795 XP_029921783.1 53.8
78 36 0 277 354 544 621 7.70E-18 99.8 586833
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorpha; Holocentrimorphaceae; Holocentriformes; Holocentr
idae; Myripristinae; Myripristis; Myripristis murdjan
UdeM00000005796 8384 93.2 UdeM00000005796 XP_040285602.1 40.2 102
60 1 223 323 102 203 6.60E-16 93.2 8384 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatrachia;Hylloidea;Bufonidae;Bufo;Bufo bufo

UdeM00000005797 6850 97.4 UdeM00000005797 XP_022254331.1 56.2 73
32 0 564 636 423 495 6.90E-17 97.4 6850 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limulidae;Limulus;Limulus polyphemus

UdeM00000005799 6596 137.1 UdeM00000005799 XP_045189682.1 29.2 465
264 14 1 444 1 421 5.50E-29 137.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005798 6596 136.7 UdeM00000005798 XP_045189682.1 29.2 465
264 14 3 446 1 421 7.20E-29 136.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005800 6596 160.6 UdeM00000005800 XP_045189682.1 27.3 542
285 15 5 538 9 449 5.60E-36 160.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005807 6596 652.5 UdeM00000005807 XP_045184919.1 51.7 644
292 12 6 638 6 641 5.50E-184 652.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005808 6596 549.3 UdeM00000005808 XP_045184814.1 46.9 646
318 13 14 643 8 644 6.60E-153 549.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005809 6579 171 UdeM00000005809 XP_033725684.1 50 174
77 2 17 180 72 245 1.40E-39 171 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005810 6596 312 UdeM00000005810 XP_045184446.1 49.7 328
160 5 60 385 140 464 1.10E-81 312 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005811 6596 303.9 UdeM00000005811 XP_045184446.1 47.9 340
160 5 60 397 140 464 3.10E-79 303.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM000000042757 6706 152.5 UdeM000000042757 XP_042235765.1 44.6 157
 87 0 1 157 1 157 4.50E-34 152.5 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM000000042759 6565 144.8 UdeM000000042759 XP_022334993.1 76.5 81
 19 0 38 118 733 813 6.90E-32 144.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM000000042761 6565 97.4 UdeM000000042761 XP_022305631.1 49.5 109
 49 2 2 104 67 175 1.30E-17 97.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM000000002602 6596 209.5 UdeM000000002602 XP_045183440.1 57.8 187
 74 3 1 186 198 380 5.50E-51 209.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000002603 6105 146 UdeM000000002603 XP_031568563.1 46.6 176
 91 3 39 213 3 176 5.60E-32 146 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM000000002604 6596 1045 UdeM000000002604 XP_045181186.1 78.8 670
 100 7 16 658 26 680 3.90E-302 1045 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000002605 6596 100.5 UdeM000000002605 XP_045180431.1 55.3 94
 41 1 1215 1308 246 338 1.70E-17 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000002606 6579 839 UdeM000000002606 XP_033727809.1 84.3 466
 70 3 1 466 1 463 3.10E-240 839 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM000000002607 6596 430.3 UdeM000000002607 XP_045206212.1 42.9 525
 284 5 6 518 3 523 3.70E-117 430.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000002608 7574 67.4 UdeM000000002608 XP_013389734.1 25.7 148
 105 3 49 191 55 202 2.60E-08 67.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000002609 7574 60.5 UdeM00000002609 XP_013389750.1 24.8 149
105 3 59 201 55 202 3.40E-06 60.5 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000002610 6596 69.3 UdeM00000002610 XP_045212703.1 24.2 219
147 5 1 217 1 202 7.20E-09 69.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002611 6579 245.7 UdeM00000002611 XP_033726569.1 47.2 271
142 1 172 441 44 314 1.10E-61 245.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002612 1735272 89.7 UdeM00000002612 XP_041361537.1 50.5
91 45 0 183 273 47 137 6.10E-15 89.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002614 6579 241.9 UdeM00000002614 XP_033726569.1 43.5 299
162 3 194 485 16 314 1.70E-60 241.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002615 6579 243.4 UdeM00000002615 XP_033726569.1 45.5 299
156 3 150 441 16 314 5.30E-61 243.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002617 146911 76.3 UdeM00000002617 XP_015261337.1 48.8
82 41 1 133 213 614 695 5.40E-11 76.3 146911
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Gekkota;Gekkonidae;Gekkoninae;Gekko;Gekko japonicus

UdeM00000002618 6565 245.7 UdeM00000002618 XP_022312923.1 46.1 269
142 2 62 327 22 290 8.00E-62 245.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002619 1735272 85.9 UdeM00000002619 XP_041361537.1 50.5
93 46 0 183 275 47 139 8.90E-14 85.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002620 6579 248.4 UdeM00000002620 XP_033726569.1 44.3 300
 160 3 145 437 16 315 1.60E-62 248.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002621 33528 109.4 UdeM00000002621 XP_043957434.1 45.5 112
 60 1 1 112 274 384 3.10E-21 109.4 33528 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Gambusia;Gambusi
 a affinis
 UdeM00000002623 6579 265.4 UdeM00000002623 XP_033726569.1 48.3 302
 149 3 13 307 13 314 9.20E-68 265.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002624 6565 429.1 UdeM00000002624 XP_022317590.1 59 332
 131 4 1 331 1 328 5.10E-117 429.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002625 6596 668.3 UdeM00000002625 XP_045181569.1 77 404
 92 1 9 412 6 408 7.00E-189 668.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002626 29159 127.9 UdeM00000002626 XP_011432031.1 45.1 144
 70 2 1 135 1 144 1.00E-26 127.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002627 29159 133.7 UdeM00000002627 XP_011432031.1 45.8 144
 69 2 1 135 1 144 1.80E-28 133.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002628 29159 131.7 UdeM00000002628 XP_011432031.1 45.1 144
 70 2 1 135 1 144 6.90E-28 131.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002629 6565 119.4 UdeM00000002629 XP_022315860.1 44.3 131
 72 1 3 132 4 134 3.70E-24 119.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002630 6596 222.6 UdeM00000002630 XP_045180333.1 47.6 250
 130 1 2 251 4 252 5.90E-55 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002631 6596 332 UdeM00000002631 XP_045180333.1 65.7 245
 83 1 39 282 11 255 7.30E-88 332 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002632 6596 204.9 UdeM00000002632 XP_045180962.1 28.3 488
 290 5 1 431 72 556 2.00E-49 204.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002633 6596 215.3 UdeM00000002633 XP_045180962.1 26.6 564
 331 6 1 560 72 556 2.00E-52 215.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002634 6596 214.5 UdeM00000002634 XP_045180962.1 32.5 526
 295 10 1 507 72 556 3.00E-52 214.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002635 6573 192.6 UdeM00000002635 XP_021358322.1 36.5 329
 196 6 194 514 39 362 1.30E-45 192.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002636 6573 197.2 UdeM00000002636 XP_021358322.1 34.7 366
 230 6 152 514 3 362 5.20E-47 197.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002637 6573 197.2 UdeM00000002637 XP_021358322.1 38.1 302
 181 4 216 515 65 362 5.20E-47 197.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002638 6596 549.3 UdeM00000002638 XP_045181417.1 58.2 445
 179 4 37 477 13 454 4.90E-153 549.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002639 6596 475.3 UdeM00000002639 XP_045181417.1 57.8 391
 158 4 37 423 13 400 8.20E-131 475.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002640 6596 349.7 UdeM00000002640 XP_045181991.1 55.6 297
 131 1 1 297 1 296 3.50E-93 349.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002641 29159 714.1 UdeM00000002641 XP_034312152.1 82.5 520
 84 3 1 520 1 513 1.20E-202 714.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002643 29159 121.3 UdeM00000002643 XP_034301812.1 46.6 163
 77 1 21 183 1690 1842 1.30E-24 121.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002642 6596 1506.5 UdeM00000002642 XP_045182733.1 59.8
 1930 589 25 1 1787 1 1886 0.00E+00 1506.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002644 6596 1442.9 UdeM00000002644 XP_045182732.1 64.6
 1510 401 17 1 1418 1 1469 0.00E+00 1442.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002645 6596 234.6 UdeM00000002645 XP_045182730.1 89.3 121
 13 0 1 121 1 121 6.80E-59 234.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002646 6596 222.6 UdeM00000002646 XP_045181051.1 40.2 371
 186 9 8 354 1 359 1.10E-54 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002647 29159 157.5 UdeM00000002647 XP_034300882.1 47.5 223
 97 7 1 217 17 225 1.90E-35 157.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002648 6596 202.6 UdeM00000002648 XP_045182026.1 74.6 138
 35 0 40 177 31 168 4.20E-49 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002649 6596 156.4 UdeM00000002649 XP_045182026.1 86 93
 13 0 2 94 76 168 1.80E-35 156.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002650 6596 384.4 UdeM00000002650 XP_045162054.1 35.2 559
 341 6 9 548 6 562 2.40E-103 384.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002651 1735272 127.1 UdeM00000002651 XP_041360528.1 24.9
 422 249 10 10 373 11 422 4.70E-26 127.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002652 1735272 135.6 UdeM00000002652 XP_041361066.1 26.5
 423 249 13 1 369 7 421 1.30E-28 135.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002653 6596 164.9 UdeM00000002653 XP_045180962.1 27.7 488
 245 9 1 383 72 556 2.10E-37 164.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002654 6596 163.3 UdeM00000002654 XP_045180962.1 27.8 479
 238 9 3 376 81 556 6.00E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002655 6596 121.3 UdeM00000002655 XP_045180962.1 31.1 225
 144 4 1 221 72 289 1.90E-24 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002656 6596 160.2 UdeM00000002656 XP_045180962.1 43.8 208
 113 3 1 208 72 275 5.50E-36 160.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002657 6596 245.4 UdeM00000002657 XP_045180962.1 33.3 499
 234 12 1 413 72 557 1.30E-61 245.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002659 6596 186.4 UdeM00000002659 XP_045180962.1 28.7 491
 263 10 34 444 72 555 7.80E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002660 6596 185.7 UdeM00000002660 XP_045180962.1 28.7 491
 263 10 1 411 72 555 1.20E-43 185.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002661 6573 731.5 UdeM00000002661 XP_021378182.1 49 743
 311 10 43 781 31 709 1.10E-207 731.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002662 6573 738.4 UdeM00000002662 XP_021378182.1 49.7 733
 311 9 43 771 31 709 9.20E-210 738.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002663 6596 427.9 UdeM00000002663 XP_045181993.1 49.1 432
 216 2 23 454 332 759 1.60E-116 427.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002664 6596 139.8 UdeM00000002664 XP_045180579.1 30.9 564
 237 12 7 494 9 495 9.20E-30 139.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002665 6596 535 UdeM00000002665 XP_045167548.1 49.6 540
 243 8 34 569 14 528 1.20E-148 535 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002667 7574 70.1 UdeM00000002667 XP_013388573.1 42.7 82
 43 1 98 179 351 428 3.40E-09 70.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002668 29159 117.1 UdeM00000002668 XP_034299594.1 37.8 156
 97 0 1 156 508 663 2.50E-23 117.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002670 6596 416.8 UdeM00000002670 XP_045180650.1 49 412
 187 7 38 445 131 523 3.50E-113 416.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002671 6596 302.8 UdeM00000002671 XP_045180650.1 52.5 276
 121 5 7 278 254 523 4.70E-79 302.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002672 6573 94.4 UdeM00000002672 XP_021348422.1 61.1 72
 28 0 5 76 520 591 9.40E-17 94.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002674 29159 172.9 UdeM00000002674 XP_034298997.1 36.2 282
 157 5 134 406 28 295 8.50E-40 172.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002679 6596 134.4 UdeM00000002679 XP_045156248.1 30.6 248
 145 3 4 251 7 227 2.00E-28 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002680 6596 134.4 UdeM00000002680 XP_045156248.1 30.6 248
 145 3 4 251 7 227 2.10E-28 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002681 6573 89.7 UdeM00000002681 XP_021353616.1 35.1 148
 83 4 12 148 1251 1396 4.10E-15 89.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002683 400727 144.8 UdeM00000002683 XP_025092521.1 61.2
 116 44 1 16 130 10 125 7.70E-32 144.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002684 6596 119.4 UdeM00000002684 XP_045213216.1 47.4 133
 68 2 1 131 418 550 3.50E-24 119.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002688 6526 134.4 UdeM00000002688 NP_001298190.1 87.9 116
 12 1 1 116 1 114 9.20E-29 134.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata

UdeM00000002689 6526 133.3 UdeM00000002689 NP_001298190.1 85.7 119
 12 1 1 119 1 114 2.10E-28 133.3 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000002690 6573 182.2 UdeM00000002690 XP_021359302.1 27.3 510
 327 11 16 492 12 510 1.70E-42 182.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002692 400727 386.7 UdeM00000002692 XP_025090120.1 48.1
 397 172 8 8 394 11 383 3.60E-104 386.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002693 6579 2139 UdeM00000002693 XP_033726593.1 86.1 1181
 164 0 1 1181 1 1181 0.00E+00 2139 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002694 8478 91.3 UdeM00000002694 XP_005314995.1 43.8 96
 49 3 40 130 430 525 1.20E-15 91.3 8478 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Em
 ydidae;Chrysemys;Chrysemys picta;Chrysemys picta bellii
 UdeM00000002695 6596 609 UdeM00000002695 XP_045180578.1 40.3 2011
 905 50 35 1850 86 1995 2.00E-170 609 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002696 6596 60.5 UdeM00000002696 XP_045183837.1 40.8 71
 42 0 32 102 243 313 2.80E-06 60.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002699 6596 314.3 UdeM00000002699 XP_045206055.1 32.6 605
 379 17 59 646 78 670 3.60E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002700 6596 298.5 UdeM00000002700 XP_045177112.1 31.9 642
 381 19 23 621 44 672 2.00E-77 298.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002702 6596 329.3 UdeM00000002702 XP_045206084.1 32.3 675
 389 21 25 643 78 740 1.20E-86 329.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002701 6596 375.9 UdeM00000002701 XP_045206084.1 34 676
 413 20 100 755 78 740 1.30E-100 375.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002703 6596 312.4 UdeM00000002703 XP_045206084.1 32.6 595
 371 18 10 585 157 740 1.50E-81 312.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002704 6596 434.1 UdeM00000002704 XP_045209918.1 31 854
 493 21 1 780 124 955 4.20E-118 434.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002705 6596 625.9 UdeM00000002705 XP_045181024.1 34.1 1086
 655 21 6 1049 16 1082 9.40E-176 625.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002706 7668 111.7 UdeM00000002706 XP_030847080.1 39.9 153
 79 4 1 148 1 145 9.20E-22 111.7 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus

UdeM00000002711 6596 60.5 UdeM00000002711 XP_045183837.1 33 103
 64 2 32 133 243 341 4.40E-06 60.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002712 6596 599.4 UdeM00000002712 XP_045209913.1 35.4 995
 566 24 32 974 31 1000 9.50E-168 599.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002713 6596 63.2 UdeM00000002713 XP_045183837.1 43.7 71
 40 0 32 102 243 313 5.90E-07 63.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002714 400727 169.9 UdeM00000002714 XP_025113942.1 73.6
 106 28 0 5 110 5 110 3.70E-39 169.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002715 400727 218.4 UdeM00000002715 XP_025113942.1 75
 136 34 0 5 140 5 140 6.40E-54 218.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002716 6596 368.2 UdeM00000002716 XP_045181024.1 39.2 526
 298 11 82 593 565 1082 2.10E-98 368.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000002717 6596 101.7 UdeM00000002717 XP_045209913.1 29.7 192
 132 3 1 191 184 373 1.10E-18 101.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000002718 6596 132.1 UdeM00000002718 XP_045209913.1 46.5 155
 76 4 20 171 31 181 6.80E-28 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000002719 7668 115.2 UdeM00000002719 XP_030847080.1 40.9 149
 81 3 1 147 1 144 8.30E-23 115.2 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus
 UdeM00000002721 6596 63.2 UdeM00000002721 XP_045183837.1 43.7 71
 40 0 32 102 243 313 5.90E-07 63.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000002722 400727 169.9 UdeM00000002722 XP_025113942.1 73.6
 106 28 0 5 110 5 110 3.40E-39 169.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002723 6596 402.5 UdeM00000002723 XP_045181024.1 36 633
 379 12 8 619 426 1053 1.00E-108 402.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002724 6596 233 UdeM00000002724 XP_045209913.1 35.8 371
 213 8 20 371 31 395 6.00E-58 233 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002726 6596 600.1 UdeM00000002726 XP_045209913.1 35.4 995
 566 24 32 974 31 1000 5.50E-168 600.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002727 6579 196.8 UdeM00000002727 XP_033729790.1 45.3 214
 117 0 10 223 17 230 3.40E-47 196.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002728 2652724 175.6 UdeM00000002728 XP_020913146.1 49.5
 194 97 1 167 360 177 369 1.40E-40 175.6 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000002730 6596 86.3 UdeM00000002730 XP_045213829.1 47.3 93
 46 2 13 104 1 91 3.50E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002731 6596 60.8 UdeM00000002731 XP_045183837.1 42.3 71
 41 0 32 102 243 313 3.10E-06 60.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002735 6596 133.3 UdeM00000002735 XP_045171063.1 44.4 135
 75 0 35 169 72 206 3.00E-28 133.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002736 6596 373.2 UdeM00000002736 XP_045156810.1 37.1 663
 353 12 3 615 14 662 6.20E-100 373.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002737 6596 384.8 UdeM00000002737 XP_045156810.1 37.1 676
 361 12 1 626 1 662 2.10E-103 384.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002738 6579 389.8 UdeM00000002738 XP_033727520.1 72.6 281
 75 1 1 281 1 279 2.90E-105 389.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002739 6596 265.4 UdeM00000002739 XP_045181058.1 61.9 194
74 0 1 194 1 194 5.80E-68 265.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002740 6596 180.3 UdeM00000002740 XP_045180916.1 38.9 216
126 2 5 215 5 219 3.10E-42 180.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002741 6596 177.2 UdeM00000002741 XP_045180916.1 37.3 212
132 1 1 212 1 211 2.40E-41 177.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002744 6596 407.9 UdeM00000002744 XP_045181718.1 55 440
158 15 1 426 43 456 1.60E-110 407.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002745 7741 195.7 UdeM00000002745 XP_019622111.1 49.7 193
95 2 1 193 88 278 5.60E-47 195.7 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000002746 6596 330.9 UdeM00000002746 XP_045180727.1 73.4 297
63 7 17 301 78 370 1.80E-87 330.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002747 6596 223.8 UdeM00000002747 XP_045181177.1 51.1 280
102 9 1 253 1 272 2.90E-55 223.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002748 6565 160.2 UdeM00000002748 XP_022287646.1 27.5 411
150 3 1 264 126 535 3.60E-36 160.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002749 6565 121.3 UdeM00000002749 XP_022287659.1 37.5 152
95 0 1 152 157 308 1.10E-24 121.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002750 6579 75.1 UdeM00000002750 XP_033739131.1 56.1 57
 25 0 1 57 188 244 5.10E-11 75.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002752 70779 83.6 UdeM00000002752 XP_015777172.1 38.1 97
 60 0 5 101 41 137 1.80E-13 83.6 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000002754 6579 84.3 UdeM00000002754 XP_033744239.1 63.2 57
 21 0 1 57 188 244 8.50E-14 84.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002755 13397 188.7 UdeM00000002755 XP_041069600.1 65.9 123
 42 0 3 125 307 429 4.50E-45 188.7 13397 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
 don;Carcharodon carcharias
 UdeM00000002757 6565 486.9 UdeM00000002757 XP_022309566.1 59.6 339
 137 0 3 341 561 899 2.10E-134 486.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002758 150288 215.3 UdeM00000002758 XP_020788097.1 58.6
 145 60 0 2 146 392 536 5.40E-53 215.3 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000002759 29159 86.3 UdeM00000002759 XP_034321670.1 52.7 91
 38 2 7 93 276 365 2.30E-14 86.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002763 29159 516.2 UdeM00000002763 XP_034318666.1 59.8 400
 161 0 2 401 376 775 4.20E-143 516.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002764 29159 61.2 UdeM00000002764 XP_034318948.1 67.6 37
 12 0 1 37 374 410 6.80E-07 61.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002765 6565 263.8 UdeM00000002765 XP_022288662.1 51.3 271
 48 1 11 197 117 387 1.70E-67 263.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000002766 6573 474.6 UdeM00000002766 XP_021342792.1 60.7 387
 148 3 1 383 80 466 1.20E-130 474.6 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000002768 6579 246.9 UdeM00000002768 XP_033739239.1 48.9 268
 118 5 136 384 79 346 5.20E-62 246.9 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000002769 6573 89 UdeM00000002769 XP_021365625.1 42.5 120
 67 2 1 118 7 126 7.50E-15 89 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000002770 6573 443.4 UdeM00000002770 XP_021342792.1 59.3 366
 145 3 5 366 101 466 2.90E-121 443.4 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000002772 2652724 174.1 UdeM00000002772 XP_020903442.1 47.7
 199 80 1 9 183 2 200 2.40E-40 174.1 2652724
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
 corallia; Actiniaria; Aiptasiidae; Exaiptasia; Exaiptasia diaphana
 UdeM00000002773 278856 788.9 UdeM00000002773 XP_032528088.1 55.8
 593 262 0 1 593 147 739 4.60E-225 788.9 278856
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Amphiesmenoptera; Lepidopt
 era; Glossata; Neolepidoptera; Heteroneura; Ditrysia; Obtectomera; Papilionoide
 a; Nymphalidae; Danainae; Danaini; Danaina; Danaus; Danaus; Danaus
 plexippus; Danaus plexippus plexippus
 UdeM00000002774 278856 714.5 UdeM00000002774 XP_032528088.1 55.9
 537 237 0 1 537 147 683 9.90E-203 714.5 278856
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Amphiesmenoptera; Lepidopt
 era; Glossata; Neolepidoptera; Heteroneura; Ditrysia; Obtectomera; Papilionoide
 a; Nymphalidae; Danainae; Danaini; Danaina; Danaus; Danaus; Danaus
 plexippus; Danaus plexippus plexippus
 UdeM00000002776 29159 401.4 UdeM00000002776 XP_034318666.1 66.2 284
 96 0 89 372 358 641 1.30E-108 401.4 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000002777 6565 83.2 UdeM00000002777 XP_022306954.1 37.8 119
 70 2 1 115 679 797 3.10E-13 83.2 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000002778 150288 292.4 UdeM00000002778 XP_020788097.1 59.2
201 82 0 1 201 365 565 4.50E-76 292.4 150288
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleostomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorphacea; Percomorphaceae; Gobiaria; Gobiiformes; Gobioidi
e; Gobiidae; Oxudercinae; Boleophthalmus; Boleophthalmus pectinirostris

UdeM00000002779 45264 221.1 UdeM00000002779 XP_044179091.1 59.5 158
64 0 2 159 369 526 1.10E-54 221.1 45264 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora
millepora

UdeM00000002780 6565 103.6 UdeM00000002780 XP_022322825.1 41.7 127
73 1 5 130 326 452 2.10E-19 103.6 6565 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000002781 29159 68.9 UdeM00000002781 XP_034322772.1 52.5 59
28 0 1 59 1 59 6.10E-09 68.9 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000002782 6573 79 UdeM00000002782 XP_021365625.1 57.6 59
25 0 23 81 47 105 8.70E-12 79 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000002783 6573 62 UdeM00000002783 XP_021365625.1 53.1 49
23 0 61 109 58 106 1.10E-06 62 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000002784 6573 87.8 UdeM00000002784 XP_021365625.1 49.4 87
44 0 61 147 40 126 2.20E-14 87.8 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000002785 150288 470.3 UdeM00000002785 XP_020788097.1 57.5
341 145 0 1 341 225 565 2.10E-129 470.3 150288
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleostomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorphacea; Percomorphaceae; Gobiaria; Gobiiformes; Gobioidi
e; Gobiidae; Oxudercinae; Boleophthalmus; Boleophthalmus pectinirostris

UdeM00000002786 50390 375.2 UdeM00000002786 XP_028154228.1 53.4 290
134 1 2 291 340 628 7.80E-101 375.2 50390 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000002787 194408 75.5 UdeM00000002787 XP_029442979.1 47.3
74 39 0 9 82 1526 1599 4.10E-11 75.5 194408
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Rhinatremaidae;Rhinatrema;Rhinatrema bivittatum

UdeM00000002788 8218 387.5 UdeM00000002788 XP_034089596.1 61 267
104 0 1 267 451 717 1.40E-104 387.5 8218 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Bathdraconidae;Gymnodraco;Gymnodraco acuticeps

UdeM00000002789 225164 307 UdeM00000002789 XP_009062377.1 60.7
211 76 1 1 204 175 385 1.80E-80 307 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000002790 7739 371.7 UdeM00000002790 XP_035665938.1 42.5 464
234 8 29 469 381 834 1.40E-99 371.7 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000002791 278856 565.1 UdeM00000002791 XP_032528089.1 54.5
433 192 2 1 433 178 605 7.90E-158 565.1 278856
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus plexippus;Danaus plexippus plexippus

UdeM00000002792 7574 71.2 UdeM00000002792 XP_013389723.1 29.9 177
101 4 54 213 55 225 2.00E-09 71.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000002793 7574 71.2 UdeM00000002793 XP_013389723.1 30.5 177
99 5 54 212 55 225 1.90E-09 71.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000002794 7574 70.9 UdeM00000002794 XP_013389723.1 30.5 177
99 5 54 212 55 225 2.50E-09 70.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000002795 1735272 107.1 UdeM00000002795 XP_041379274.1 47.7
 111 56 2 43 151 128 238 2.10E-20 107.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002796 150288 272.7 UdeM00000002796 XP_020788097.1 63.6
 176 64 0 3 178 396 571 4.90E-70 272.7 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000002797 8090 87 UdeM00000002797 XP_004081012.1 68.3 63
 20 0 32 94 130 192 1.60E-14 87 8090 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
 oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
 latipes
 UdeM00000002799 6573 60.1 UdeM00000002799 XP_021352044.1 71.9 32
 9 0 1 32 98 129 1.40E-06 60.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002801 150288 301.6 UdeM00000002801 XP_020788097.1 61.4
 207 80 0 1 207 365 571 7.90E-79 301.6 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000002802 8030 79 UdeM00000002802 XP_014036531.1 72.5 51
 14 0 66 116 143 193 5.70E-12 79 8030 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salm
 oninae;Salmo;Salmo salar
 UdeM00000002803 6579 100.9 UdeM00000002803 XP_033757997.1 38.2 173
 94 2 4 175 876 1036 1.90E-18 100.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002804 303518 95.1 UdeM00000002804 XP_013764411.1 53.8
 91 39 1 2 89 712 802 6.40E-17 95.1 303518
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichliformes;Cichlidae;African

cichlids;Pseudocrenilabrinae;Haplochromini;Pundamilia;Pundamilia nyererei
UdeM00000002805 30732 57.8 UdeM00000002805 XP_024136425.1 49.2 61
31 0 33 93 140 200 9.00E-06 57.8 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Beloniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000015711 6596 1281.9 UdeM00000015711 XP_045205736.1 74.9
832 199 4 1 825 1 829 0.00E+00 1281.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015712 1735272 548.1 UdeM00000015712 XP_041359684.1 57.8
599 213 13 8 596 823 1391 1.40E-152 548.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015713 6596 236.5 UdeM00000015713 XP_045206979.1 58.5 265
80 9 1 259 1 241 5.10E-59 236.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015714 6596 538.5 UdeM00000015714 XP_045205470.1 50.1 509
245 2 25 532 87 587 9.90E-150 538.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015715 6579 581.3 UdeM00000015715 XP_033743742.1 49.2 683
285 11 6 642 83 749 1.60E-162 581.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015716 6596 146.7 UdeM00000015716 XP_045206419.1 71 100
29 0 1 100 1 100 1.70E-32 146.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015718 6596 721.5 UdeM00000015718 XP_045203812.1 43.8 1143
510 22 1 1101 75 1127 1.70E-204 721.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015719 29159 393.3 UdeM00000015719 XP_011449387.2 60.8 319
125 0 6 324 3 321 3.10E-106 393.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015720 6500 307 UdeM00000015720 XP_005108430.1 56.7 263
113 1 37 298 61 323 2.80E-80 307 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000015721 29159 209.5 UdeM00000015721 XP_011449387.2 53.5 202
94 0 38 239 120 321 4.90E-51 209.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015722 29159 364.8 UdeM00000015722 XP_011449387.2 55.6 322
141 1 4 325 2 321 1.20E-97 364.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015723 6596 226.5 UdeM00000015723 XP_045204800.1 34.7 392
237 6 24 408 1 380 6.20E-56 226.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015724 6579 60.8 UdeM00000015724 XP_033742126.1 37.8 90
50 2 9 92 13 102 8.80E-06 60.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015726 6596 129.4 UdeM00000015726 XP_045212483.1 41.2 187
100 2 2 188 6 182 4.90E-27 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015728 225164 76.3 UdeM00000015728 XP_009063428.1 36.4
99 61 2 35 132 57 154 3.60E-11 76.3 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000015729 225164 68.9 UdeM00000015729 XP_009063428.1 36.4
99 55 3 34 125 57 154 5.50E-09 68.9 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000015730 225164 68.9 UdeM00000015730 XP_009063428.1 36.4
99 55 3 139 230 57 154 9.80E-09 68.9 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000015731 7574 109 UdeM00000015731 XP_023932024.1 40.9 154
85 5 2 153 205 354 6.10E-21 109 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000015732 6596 417.5 UdeM00000015732 XP_045208575.1 67.3 312
102 0 29 340 17 328 1.70E-113 417.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015733 6579 231.5 UdeM00000015733 XP_033731124.1 43.7 293
138 5 11 278 6 296 1.40E-57 231.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000015734 29159 1773.4 UdeM00000015734 XP_011429373.2 84.2
1024 158 2 1 1021 1 1023 0.00E+00 1773.4
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000015735 7719 65.1 UdeM00000015735 XP_004227365.1 49.3 73
36 1 8 80 89 160 5.00E-08 65.1 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
intestinalis
UdeM00000015736 742174 188.7 UdeM00000015736 XP_025202695.1 39.4
251 131 7 4 234 96 345 8.30E-45 188.7 742174
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
phidomorpha;Aphidoidea;Aphididae;Aphidinae;Aphidini;Melanaphis;Melanaphis
sacchari
UdeM00000015737 143948 62 UdeM00000015737 XP_015371586.1 40
75 37 3 1 68 1 74 3.60E-07 62 143948
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
phidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Diuraphis;Diuraph
is noxia
UdeM00000015738 6526 445.7 UdeM00000015738 XP_013075004.1 52.7 431
200 2 11 439 74 502 7.00E-122 445.7 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biophalaria;Biophalaria
glabrata

UdeM00000015739 6596 717.2 UdeM00000015739 XP_045205879.1 42.7 1036
 508 21 1 1009 1 977 2.90E-203 717.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015740 6579 1037.7 UdeM00000015740 XP_033743452.1 54
 1039 436 11 14 1043 9 1014 1.00E-299 1037.7 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015741 6579 1041.6 UdeM00000015741 XP_033743452.1 62.8
 809 298 3 10 816 62 869 6.70E-301 1041.6 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015742 6579 69.3 UdeM00000015742 XP_033743331.1 30.5 151
 92 7 14 155 36 182 1.10E-08 69.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015743 37621 62 UdeM00000015743 XP_014676347.1 47.5 61
 32 0 34 94 54 114 4.80E-07 62 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000015744 6579 66.2 UdeM00000015744 XP_033743331.1 31.2 154
 87 8 5 143 26 175 1.10E-07 66.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015748 6596 356.3 UdeM00000015748 XP_045206033.1 36.6 612
 341 14 315 886 664 1268 1.10E-94 356.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015749 6573 247.3 UdeM00000015749 XP_021339064.1 84.9 152
 23 0 20 171 106 257 1.40E-62 247.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015750 6596 607.1 UdeM00000015750 XP_045205460.1 48 688
 297 7 35 664 50 734 2.70E-170 607.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015751 29159 70.5 UdeM00000015751 XP_011456021.2 68.9 45
 14 0 59 103 96 140 1.60E-09 70.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000015752 400727 170.2 UdeM00000015752 XP_025087556.1 44.1
261 115 4 60 318 97 328 4.10E-39 170.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000015753 6596 605.1 UdeM00000015753 XP_045204652.1 52 600
276 9 13 607 12 604 9.90E-170 605.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015755 6596 191.4 UdeM00000015755 XP_045202239.1 25.2 727
448 23 8 683 12 693 3.70E-45 191.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015763 6596 150.2 UdeM00000015763 XP_045206641.1 42.4 172
99 0 91 262 29 200 6.10E-33 150.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015766 6596 252.7 UdeM00000015766 XP_045203106.1 55.1 236
99 4 23 253 30 263 5.00E-64 252.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015767 6596 460.3 UdeM00000015767 XP_045203106.1 60.4 391
147 5 12 397 30 417 2.50E-126 460.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015771 1735272 99 UdeM00000015771 XP_041359604.1 71.9
57 16 0 253 309 196 252 1.10E-17 99 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015772 6596 505.4 UdeM00000015772 XP_045203679.1 63.4 393
139 3 251 643 154 541 1.10E-139 505.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015774 6596 143.7 UdeM00000015774 XP_045206677.1 57.3 171
62 1 1 160 290 460 2.10E-31 143.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015776 6596 219.2 UdeM00000015776 XP_045206677.1 64.8 159
50 1 8 160 32 190 4.70E-54 219.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015777 6596 557.4 UdeM00000015777 XP_045206057.1 63.1 434
148 4 26 458 24 446 1.70E-155 557.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015778 6596 708.4 UdeM00000015778 XP_045203586.1 61.1 581
211 5 10 580 32 607 7.70E-201 708.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015779 6596 1659.8 UdeM00000015779 XP_045203586.1 61.2
1397 433 9 10 1402 32 1323 0.00E+00 1659.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015780 29159 218.4 UdeM00000015780 XP_034299850.1 84.5 129
20 0 1 129 1 129 5.70E-54 218.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015781 6596 1398.3 UdeM00000015781 XP_045205012.1 85.1
798 119 0 1 798 1 798 0.00E+00 1398.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015782 6596 136.3 UdeM00000015782 XP_045203604.1 32.4 262
168 6 26 280 21 280 1.10E-28 136.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015783 29159 2131.3 UdeM00000015783 XP_034301364.1 81.8
1259 227 1 5 1261 13 1271 0.00E+00 2131.3
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015784 1735272 802 UdeM00000015784 XP_041358059.1 61.4
664 234 6 29 674 10 669 5.90E-229 802 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000015785 6573 280.4 UdeM00000015785 XP_021348269.1 66.2 201
68 0 6 206 661 861 1.80E-72 280.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013578 6596 85.5 UdeM00000013578 XP_045208259.1 37.5 128
28 2 26 101 305 432 4.30E-14 85.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013579 6596 111.7 UdeM00000013579 XP_045180427.1 38.4 177
106 2 76 250 98 273 1.40E-21 111.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013580 6565 70.1 UdeM00000013580 XP_022300575.1 44 84
39 2 138 221 169 244 4.30E-09 70.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000013581 6565 408.3 UdeM00000013581 XP_022287155.1 46.1 488
238 8 1 468 306 788 1.30E-110 408.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000013583 7668 62.4 UdeM00000013583 XP_030833544.1 31.8 110
59 3 5 98 461 570 6.60E-07 62.4 7668 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus
UdeM00000013582 7668 62.4 UdeM00000013582 XP_030833544.1 31.8 110
59 3 5 98 461 570 7.00E-07 62.4 7668 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus
UdeM00000013588 6596 104.8 UdeM00000013588 XP_045181000.1 73 63
17 0 1 63 904 966 7.60E-20 104.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013590 6596 290.8 UdeM00000013590 XP_045181000.1 64.5 245
33 1 97 287 1333 1577 2.00E-75 290.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013592 6596 68.9 UdeM00000013592 XP_045208259.1 50.7 67
 30 1 8 71 239 305 3.80E-09 68.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013591 29159 67.8 UdeM00000013591 XP_034319534.1 53.7 67
 28 1 8 71 378 444 1.00E-08 67.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041723 6596 73.6 UdeM00000041723 XP_045202912.1 23.5 362
 250 11 20 368 362 709 1.10E-09 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041724 6579 507.3 UdeM00000041724 XP_033740878.1 40.3 759
 342 13 1 692 1 715 3.10E-140 507.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041725 29159 176.8 UdeM00000041725 XP_034318677.1 41.3 283
 139 9 253 522 6 274 1.80E-40 176.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041728 37653 142.5 UdeM00000041728 XP_014782194.1 58.8 114
 46 1 1 114 1 113 4.40E-31 142.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000041837 29159 470.3 UdeM00000041837 XP_011456886.2 38.6 687
 371 15 259 922 71 729 5.60E-129 470.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041838 29159 67.8 UdeM00000041838 XP_034329456.1 49.3 71
 31 1 82 152 451 516 1.50E-08 67.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041839 6596 178.7 UdeM00000041839 XP_045211867.1 37.7 297
 153 8 154 440 22 296 1.60E-41 178.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041840 6596 75.9 UdeM00000041840 XP_045211867.1 43.9 82
 44 2 1 81 324 404 4.00E-11 75.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041841 29159 164.1 UdeM00000041841 XP_011456886.2 46.6 178
 91 2 1 174 398 575 2.20E-37 164.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040264 6596 197.2 UdeM00000040264 XP_045215622.1 43.4 242
 125 4 19 249 41 281 3.30E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040266 6596 95.1 UdeM00000040266 XP_045173268.1 27.8 407
 238 12 112 502 127 493 2.70E-16 95.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040267 6573 124 UdeM00000040267 XP_021366034.1 40.9 159
 78 6 46 199 31 178 2.70E-25 124 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040268 6573 130.2 UdeM00000040268 XP_021366034.1 40.9 159
 79 5 45 198 31 179 3.10E-27 130.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040269 6596 316.2 UdeM00000040269 XP_045171280.1 43.8 354
 184 3 11 363 10 349 5.30E-83 316.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040271 225164 329.3 UdeM00000040271 XP_009051580.1 54.4
 283 127 1 2 284 8 288 4.70E-87 329.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000040272 6596 430.6 UdeM00000040272 XP_045171647.1 56.2 434
 160 7 30 444 14 436 2.50E-117 430.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040273 29159 183.7 UdeM00000040273 XP_011446263.1 65.7 140
 48 0 1 140 1 140 1.60E-43 183.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040274 6596 134.4 UdeM00000040274 XP_045172700.1 58.2 110
 46 0 1 110 33 142 8.80E-29 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000040275 6579 179.1 UdeM00000040275 XP_033747826.1 60.3 141
 56 0 1 141 1 141 3.90E-42 179.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040276 29159 317 UdeM00000040276 XP_034317111.1 55.8 283
 124 1 2 283 171 453 2.50E-83 317 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040277 6596 719.9 UdeM00000040277 XP_045174126.1 76 450
 108 0 26 475 202 651 2.10E-204 719.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000040278 6596 199.5 UdeM00000040278 XP_045174126.1 71.3 129
 37 0 1 129 203 331 2.60E-48 199.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000040281 88015 68.9 UdeM00000040281 XP_023328598.1 65 40
 14 0 101 140 116 155 5.70E-09 68.9 88015 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;
 Hexanauplia;Copepoda;Neocopepoda;Gymnoplea;Calanoida;Temoridae;Eurytemora;
 Eurytemora affinis
 UdeM00000040282 6573 620.2 UdeM00000040282 XP_021370410.1 55.6 603
 259 6 3 603 4 599 3.10E-174 620.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040283 6579 97.1 UdeM00000040283 XP_033748800.1 55 140
 58 2 6 140 11 150 8.80E-17 97.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040284 6596 649.4 UdeM00000040284 XP_045171751.1 87.4 349
 44 0 1 349 1 349 2.70E-183 649.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000040285 6565 378.3 UdeM00000040285 XP_022345729.1 78.4 227
 49 0 1 227 1 227 7.10E-102 378.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040286 6596 1287.7 UdeM00000040286 XP_045173342.1 49.5
 1331 603 14 1 1290 1 1303 0.00E+00 1287.7 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040287 6565 458.8 UdeM00000040287 XP_022340689.1 54.3 658
222 10 1 628 1 609 1.20E-125 458.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040288 400727 125.2 UdeM00000040288 XP_025108466.1 40.3
186 102 2 27 212 358 534 1.10E-25 125.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000040290 10224 229.2 UdeM00000040290 XP_006813844.1 46.8 235
125 0 1 235 128 362 5.60E-57 229.2 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000040289 10224 230.7 UdeM00000040289 XP_006813844.1 46.8 237
126 0 2 238 126 362 1.90E-57 230.7 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000040291 6596 247.7 UdeM00000040291 XP_045173613.1 39 472
220 15 474 928 1154 1574 6.10E-62 247.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040291 6596 58.9 UdeM00000040291 XP_045173613.1 53.8 52
24 0 70 121 715 766 4.00E-05 58.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040292 6596 572.4 UdeM00000040292 XP_045171216.1 67.9 390
125 0 1 390 1 390 4.40E-160 572.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040293 6573 456.8 UdeM00000040293 XP_021372779.1 57.8 481
178 11 2 461 48 524 3.20E-125 456.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000040296 13686 276.6 UdeM00000040296 XP_011170408.3 39 408
209 4 1 370 471 876 5.80E-71 276.6 13686 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul

eata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsi
s invicta

UdeM00000040297 6565 420.6 UdeM00000040297 XP_022342886.1 53.7 464
185 10 3 451 23 471 2.50E-114 420.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040298 6573 667.2 UdeM00000040298 XP_021372772.1 62.5 501
183 3 7 506 5 501 1.70E-188 667.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040299 7574 1294.6 UdeM00000040299 XP_013413194.1 79.5
772 147 2 1 761 1 772 0.00E+00 1294.6 7574
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000040300 6596 599.7 UdeM00000040300 XP_045173225.1 75.1 373
92 1 28 400 60 431 2.70E-168 599.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040302 6596 463.8 UdeM00000040302 XP_045172803.1 40.9 634
324 10 219 846 224 812 4.80E-127 463.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040304 6596 89.4 UdeM00000040304 XP_045171536.1 57.7 71
30 0 41 111 1 71 3.20E-15 89.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040305 6565 246.9 UdeM00000040305 XP_022345336.1 43.8 290
162 1 1 290 1 289 3.60E-62 246.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040306 29159 86.7 UdeM00000040306 XP_034330377.1 24.7 397
235 14 22 381 30 399 7.40E-14 86.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040308 2607531 155.6 UdeM00000040308 XP_036361187.1 27.9
405 260 14 126 520 251 633 1.80E-34 155.6 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000040309 6596 184.1 UdeM00000040309 XP_045172129.1 41 293
152 7 1 281 1 284 2.40E-43 184.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040310 6596 326.6 UdeM00000040310 XP_045171619.1 78.9 185
39 0 1 185 1 185 2.00E-86 326.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040311 6596 205.3 UdeM00000040311 XP_045171620.1 67.4 175
46 1 1 175 1 164 6.40E-50 205.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040312 6596 582 UdeM00000040312 XP_045173781.1 61.6 505
179 8 1 505 1 490 7.20E-163 582 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040313 6596 168.7 UdeM00000040313 XP_045173616.1 50 150
75 0 1 150 1 150 5.80E-39 168.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040315 6596 419.9 UdeM00000040315 XP_045171293.1 59.5 343
137 1 4 344 7 349 3.40E-114 419.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040316 6565 270.4 UdeM00000040316 XP_022341799.1 73.5 204
54 0 23 226 2 205 2.10E-69 270.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040317 29159 239.2 UdeM00000040317 XP_011435483.1 57.2 201
86 0 1 201 1 201 5.20E-60 239.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040318 6596 270.8 UdeM00000040318 XP_045172451.1 63.9 191
67 1 1 191 1 189 1.30E-69 270.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040319 6565 293.5 UdeM00000040319 XP_022286253.1 45.3 342
108 3 2 342 193 456 3.50E-76 293.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000040320 6526 448.7 UdeM00000040320 XP_013062198.1 64.5 366
115 3 41 404 28 380 7.70E-123 448.7 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan
pulmonata; Hygrophila; Lymnaeidae; Planorbidae; Biomphalaria; Biomphalaria
glabrata
UdeM00000040321 6596 1955.3 UdeM00000040321 XP_045172964.1 70
1424 352 8 2 1404 3 1372 0.00E+00 1955.3 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000040322 6596 657.5 UdeM00000040322 XP_045172964.1 68.6 475
148 1 14 488 899 1372 1.30E-185 657.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000040323 7574 226.9 UdeM00000040323 XP_013403739.1 51.8 218
101 2 140 353 61 278 1.50E-55 226.9 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
guloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000040324 6596 431 UdeM00000040324 XP_045171290.1 58 345
139 2 5 343 309 653 1.40E-117 431 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000040325 46731 100.1 UdeM00000040325 XP_027042029.1 42.5 134
73 2 25 157 32 162 2.70E-18 100.1 46731 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Scleractinia; Astrocoeniina; Pocilloporidae; Pocillopora; Pocillopor
a damicornis
UdeM00000040326 6579 489.2 UdeM00000040326 XP_033747674.1 84.9 285
43 0 1 285 1 285 3.60E-135 489.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000040327 6596 347.4 UdeM00000040327 XP_045171687.1 93.1 175
12 0 1 175 141 315 1.00E-92 347.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000040328 6565 171 UdeM00000040328 XP_022341252.1 72.5 138
25 3 1 137 1 126 1.70E-38 171 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000040329 6573 223.4 UdeM00000040329 XP_021356610.1 44.5 263
 119 5 4 263 33 271 1.20E-54 223.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040330 6596 391.3 UdeM00000040330 XP_045171808.1 40 580
 309 17 5 559 18 583 2.00E-105 391.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040331 6945 84.7 UdeM00000040331 XP_040065097.1 28.5 193
 112 4 59 225 85 277 2.20E-13 84.7 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000040332 6596 389 UdeM00000040332 XP_045171808.1 38.8 554
 301 17 30 558 18 558 1.10E-104 389 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040333 6579 620.2 UdeM00000040333 XP_033748269.1 47.7 703
 328 10 1 685 1 681 3.40E-174 620.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040334 29159 377.1 UdeM00000040334 XP_034339024.1 81.5 222
 41 0 33 254 623 844 1.80E-101 377.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040335 10224 174.1 UdeM00000040335 XP_006814936.1 40.2 241
 136 4 111 346 64 301 3.10E-40 174.1 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000040336 10224 83.2 UdeM00000040336 XP_002740528.1 36.6 142
 60 4 2 121 106 239 2.80E-13 83.2 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000040337 6596 729.6 UdeM00000040337 XP_045171466.1 61.9 557
 207 4 3 557 1022 1575 3.10E-207 729.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040338 7574 109.4 UdeM00000040338 XP_023933229.1 66.7 78
 25 1 4 80 1 78 2.20E-21 109.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000040339 6565 687.6 UdeM00000040339 XP_022339610.1 74.3 614
 134 6 1 604 1 600 1.50E-194 687.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040340 6579 746.1 UdeM00000040340 XP_033748496.1 60.7 633
 217 7 14 640 10 616 3.70E-212 746.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040342 6596 797.7 UdeM00000040342 XP_045172199.1 60.4 707
 267 7 5 699 2 707 1.20E-227 797.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040343 2607531 110.5 UdeM00000040343 XP_029637241.1 44.6
 305 127 7 1 263 1 305 3.20E-21 110.5 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000040344 6565 676.4 UdeM00000040344 XP_022320201.1 42.5 1161
 507 22 1 1122 11 1050 6.40E-191 676.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040345 225164 214.2 UdeM00000040345 XP_009051789.1 89.7
 116 12 0 1 116 1 116 9.30E-53 214.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000040346 1735272 258.5 UdeM00000040346 XP_041348973.1 59.5
 205 80 2 1 203 1 204 7.40E-66 258.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000040347 6596 1724.5 UdeM00000040347 XP_045170872.1 59.6
 1460 529 15 1 1418 1 1441 0.00E+00 1724.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040348 6596 1724.5 UdeM00000040348 XP_045170872.1 59.5
 1462 537 15 1 1428 1 1441 0.00E+00 1724.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040349 218467 66.2 UdeM00000040349 XP_023216677.1 57.9
 57 23 1 47 102 1237 1293 2.80E-08 66.2 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000040352 37621 186 UdeM00000040352 XP_014677462.1 51.1 188
 88 3 1 187 1 185 4.30E-44 186 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000040353 6596 111.7 UdeM00000040353 XP_045172277.1 30.7 443
 200 9 1 406 1 373 2.30E-21 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040354 6596 261.5 UdeM00000040354 XP_045172837.1 63.6 195
 52 1 61 236 1288 1482 1.00E-66 261.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040355 6565 228.8 UdeM00000040355 XP_022339658.1 38.4 539
 240 14 99 611 2 474 2.10E-56 228.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040356 7574 101.7 UdeM00000040356 XP_013396733.1 36.2 188
 94 4 5 166 60 247 9.50E-19 101.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040357 6579 612.5 UdeM00000040357 XP_033747529.1 50.8 634
 285 3 27 634 29 661 6.20E-172 612.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040358 7574 90.1 UdeM00000040358 XP_013384015.1 51.5 101
 48 1 6 106 186 285 3.20E-15 90.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040359 7574 80.1 UdeM00000040359 XP_013384015.1 57.9 76
 31 1 6 81 186 260 1.40E-12 80.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000040361 400727 443.4 UdeM00000040361 XP_025091762.1 68.7
 300 84 3 1 296 132 425 2.40E-121 443.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000040362 6526 110.9 UdeM00000040362 XP_013062194.1 37.2 129
 81 0 1 129 15 143 1.30E-21 110.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000040363 37653 181.8 UdeM00000040363 XP_014775498.1 46.7 212
 110 2 17 227 131 340 1.00E-42 181.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000040364 6579 159.8 UdeM00000040364 XP_033746073.1 57.3 131
 56 0 19 149 7 137 2.60E-36 159.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040365 6579 147.9 UdeM00000040365 XP_033748755.1 37 238
 143 5 16 250 68 301 1.70E-32 147.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040366 6573 162.2 UdeM00000040366 XP_021342173.1 40.2 209
 122 2 2 207 45 253 9.60E-37 162.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040367 6579 188.3 UdeM00000040367 XP_033748753.1 39.4 249
 147 3 1 246 1 248 1.40E-44 188.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010237 72036 289.7 UdeM00000010237 XP_040576246.1 39.1 437
 214 10 21 413 32 460 6.10E-75 289.7 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000010238 6596 346.7 UdeM00000010238 XP_045188630.1 59.6 317
 115 5 1 311 74 383 3.20E-92 346.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010239 400682 80.1 UdeM00000010239 XP_003390251.1 41.7
 96 53 1 34 129 541 633 2.30E-12 80.1 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000010240 400682 80.1 UdeM00000010240 XP_003390251.1 41.7
 96 53 1 53 148 541 633 2.60E-12 80.1 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000010241 63155 93.2 UdeM00000010241 XP_030580840.1 47.3 93
 48 1 2 94 431 522 2.00E-16 93.2 63155 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;New World
 cichlids;Cichlasomatinae;Heroini;Archocentrus;Archocentrus centrarchus
 UdeM00000010243 6596 129.8 UdeM00000010243 XP_045208737.1 40.2 204
 101 9 126 315 320 516 9.70E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010244 8407 93.2 UdeM00000010244 XP_040204260.1 43.8 89
 47 1 1 86 178 266 1.90E-16 93.2 8407 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Ranoidea;Ranidae;Rana;Rana;Rana temporaria
 UdeM00000010245 6596 505.8 UdeM00000010245 XP_045165078.1 46.9 614
 239 11 1 551 1 590 7.20E-140 505.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010246 6596 884.8 UdeM00000010246 XP_045189428.1 38.4 1264
 715 19 2 1226 117 1355 1.30E-253 884.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010247 6596 386.3 UdeM00000010247 XP_045189428.1 46.7 390
 183 1 2 366 117 506 4.20E-104 386.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010248 6596 412.1 UdeM00000010248 XP_045179101.1 41.9 537
 302 5 13 539 23 559 1.10E-111 412.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010249 6596 961.4 UdeM00000010249 XP_045179101.1 43.2 1156
 603 11 13 1123 23 1169 9.70E-277 961.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010250 6596 405.2 UdeM00000010250 XP_045189428.1 35.8 657
 397 12 78 721 711 1355 1.70E-109 405.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010251 6573 1650.2 UdeM00000010251 XP_021378529.1 77.1
1203 276 0 98 1300 3 1205 0.00E+00 1650.2 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010252 29159 77.8 UdeM00000010252 XP_034328854.1 30.6 160
98 4 69 215 33 192 5.40E-10 77.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010255 29159 81.6 UdeM00000010255 XP_034328854.1 34.3 137
81 2 52 180 57 192 7.80E-12 81.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010257 29159 71.2 UdeM00000010257 XP_034328854.1 34.6 127
76 3 16 135 66 192 7.40E-09 71.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010259 6706 84 UdeM00000010259 XP_042235765.1 46.8 77
41 0 1 77 1 77 9.50E-14 84 6706 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Astacidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus

UdeM00000010260 6596 57.8 UdeM00000010260 XP_045208792.1 37.2 94
49 3 3 91 27 115 9.50E-06 57.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010263 6596 196.4 UdeM00000010263 XP_045190732.1 40.6 229
129 4 298 522 530 755 8.80E-47 196.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010264 6565 218.4 UdeM00000010264 XP_022321940.1 24.5 678
438 14 30 676 16 650 3.00E-53 218.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010265 6579 120.6 UdeM00000010265 XP_033757704.1 35.7 359
191 8 1 351 171 497 4.10E-24 120.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010266 6579 431 UdeM00000010266 XP_033757704.1 50.8 530
220 9 1 522 1 497 2.10E-117 431 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010267 1735272 247.3 UdeM00000010267 XP_041372815.1 55.8
208 92 0 1 208 82 289 1.70E-62 247.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010268 6573 68.9 UdeM00000010268 XP_021375193.1 34.7 144
84 4 1 136 202 343 5.70E-09 68.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010269 29159 362.5 UdeM00000010269 XP_011421352.1 75.7 230
55 1 6 234 5 234 4.20E-97 362.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010270 6596 1342.4 UdeM00000010270 XP_045188915.1 49.6
1598 666 34 7 1555 164 1671 0.00E+00 1342.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000010271 6565 218.8 UdeM00000010271 XP_022343373.1 34 423
253 11 966 1368 402 818 4.40E-53 218.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010272 6596 391.3 UdeM00000010272 XP_045189350.1 52.7 389
153 5 3 382 14 380 1.60E-105 391.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000010273 6596 524.6 UdeM00000010273 XP_045188647.1 59.8 475
150 7 22 462 20 487 1.20E-145 524.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000010278 29159 98.2 UdeM00000010278 XP_011430493.2 36.4 645
262 22 1 562 1 580 4.80E-17 98.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010279 400727 523.9 UdeM00000010279 XP_025093986.1 52.8
523 246 1 21 543 213 734 2.50E-145 523.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000010280 1735272 584.7 UdeM00000010280 XP_041368310.1 45.5
 741 359 7 1 737 1 700 1.60E-163 584.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010281 1735272 99 UdeM00000010281 XP_041368310.1 39.5
 157 76 5 1 153 1 142 8.00E-18 99 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010282 400727 957.6 UdeM00000010282 XP_025096688.1 94.6
 503 25 1 8 510 14 514 6.50E-276 957.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000010283 6596 273.1 UdeM00000010283 XP_045189935.1 58.7 298
 116 4 1 296 1 293 4.20E-70 273.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010284 6596 772.3 UdeM00000010284 XP_045190633.1 56.9 684
 273 10 1 673 12 684 5.20E-220 772.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010285 6573 206.1 UdeM00000010285 XP_021371969.1 32.9 407
 235 10 1 382 16 409 8.20E-50 206.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010286 6579 166 UdeM00000010286 XP_033757478.1 42.2 173
 93 2 147 312 252 424 7.70E-38 166 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010287 6579 187.2 UdeM00000010287 XP_033757765.1 72.4 127
 35 0 252 378 140 266 3.90E-44 187.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010288 6596 730.3 UdeM00000010288 XP_045190315.1 56.2 649
 283 1 1 649 1 648 2.20E-207 730.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010289 6596 728.4 UdeM00000010289 XP_045190315.1 56.2 651
 284 1 1 651 1 650 8.40E-207 728.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010290 6573 195.3 UdeM00000010290 XP_021371897.1 38.5 343
199 5 255 591 533 869 4.10E-46 195.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010291 6565 453.8 UdeM00000010291 XP_022335499.1 37 875
525 10 21 883 25 885 5.80E-124 453.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010292 6565 393.3 UdeM00000010292 XP_022335499.1 34.6 875
511 11 21 848 25 885 9.00E-106 393.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010293 6579 120.2 UdeM00000010293 XP_033756687.1 27.8 442
239 16 1 388 1 416 6.40E-24 120.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010294 7574 146.4 UdeM00000010294 XP_013389724.1 36.5 233
110 6 28 255 81 280 5.40E-32 146.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000010295 79782 90.9 UdeM00000010295 XP_014241698.2 37 135
71 5 2 132 657 781 2.80E-15 90.9 79782 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Prosorrhyncha;Heteroptera;Euheteroptera;Neoheteroptera;Panheteroptera;Cimicomorpha;Cimicoidea;Cimicidae;Cimex;Cimex lectularius

UdeM00000010296 6565 137.9 UdeM00000010296 XP_022345847.1 43.7 199
100 4 1 191 1 195 1.40E-29 137.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010297 6565 199.1 UdeM00000010297 XP_022345846.1 39.1 248
147 1 1 248 1 244 6.70E-48 199.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010298 1735272 72.4 UdeM00000010298 XP_041377266.1 35.4
127 62 3 1 121 166 278 4.50E-10 72.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010299 151771 141 UdeM00000010299 XP_028415639.1 43.1
188 100 3 1 185 620 803 2.70E-30 141 151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea

UdeM00000010300 6596 260 UdeM00000010300 XP_045191056.1 40.5 363
189 7 35 375 97 454 9.30E-66 260 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010301 29159 245 UdeM00000010301 XP_011414578.2 26.7 707
395 11 28 612 32 737 2.70E-61 245 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010302 6579 98.2 UdeM00000010302 XP_033749245.1 30.9 220
135 6 442 656 64 271 4.10E-17 98.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010303 114398 429.5 UdeM00000010303 XP_042903861.1 38.9
609 361 6 1 605 1 602 7.20E-117 429.5 114398

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000010305 114398 429.5 UdeM00000010305 XP_042903861.1 38.9
609 361 6 1 605 1 602 7.20E-117 429.5 114398

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000010306 6596 263.5 UdeM00000010306 XP_045191056.1 42 367
187 8 52 401 97 454 4.90E-67 263.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010307 6596 282.7 UdeM00000010307 XP_045191056.1 36.3 444
254 6 206 627 18 454 1.20E-72 282.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010308 1735272 219.5 UdeM00000010308 XP_041376747.1 25.4
916 571 30 87 940 11 876 1.80E-53 219.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010309 6573 232.3 UdeM00000010309 XP_021356721.1 50.2 267
114 6 8 257 10 274 7.70E-58 232.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000010310 6596 289.3 UdeM00000010310 XP_045190123.1 72 193
53 1 96 288 297 488 5.60E-75 289.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000010311 6596 221.5 UdeM00000010311 XP_045167210.1 33.5 409
234 5 2 388 607 999 1.90E-54 221.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000010312 6596 131.7 UdeM00000010312 XP_045181714.1 27.3 348
237 7 8 346 19 359 2.40E-27 131.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000010313 6596 242.3 UdeM00000010313 XP_045167210.1 35.5 409
246 5 2 408 607 999 1.10E-60 242.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000010314 6596 63.9 UdeM00000010314 XP_045201901.1 25.6 164
111 4 23 179 164 323 2.40E-07 63.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000010315 6596 805.8 UdeM00000010315 XP_045167210.1 34.2 1549
916 21 692 2211 585 2058 1.30E-229 805.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000010316 6565 704.9 UdeM00000010316 XP_022288108.1 71.6 476
134 1 101 576 10 484 8.80E-200 704.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000010318 29159 976.9 UdeM00000010318 XP_011451561.2 56.5 987
377 12 1 979 1 943 2.10E-281 976.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000010319 6596 627.9 UdeM00000010319 XP_045190623.1 93.8 323
20 0 1 323 1 323 7.40E-177 627.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000010320 6596 630.2 UdeM00000010320 XP_045190623.1 93.8 324
 20 0 1 324 1 324 1.50E-177 630.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010321 6596 658.7 UdeM00000010321 XP_045190038.1 70.7 474
 135 2 1 474 4 473 5.70E-186 658.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010322 6573 310.8 UdeM00000010322 XP_021352298.1 57.9 261
 104 2 30 287 29 286 1.80E-81 310.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010323 6573 335.9 UdeM00000010323 XP_021352298.1 56.8 285
 117 2 3 284 5 286 5.20E-89 335.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010324 224129 77.8 UdeM00000010324 XP_025833403.1 55.4
 56 25 0 63 118 1656 1711 1.10E-11 77.8 224129
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Buprestoidea;Buprestidae;Agrilinae;Agrilus;Agrilus planipennis
 UdeM00000010325 224129 77.8 UdeM00000010325 XP_025833403.1 55.4
 56 25 0 141 196 1656 1711 1.80E-11 77.8 224129
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Buprestoidea;Buprestidae;Agrilinae;Agrilus;Agrilus planipennis
 UdeM00000010327 7950 144.8 UdeM00000010327 XP_042565679.1 25 511
 343 11 8 504 21 505 3.00E-31 144.8 7950 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Clupeinae;Clupea
 ;Clupea harengus
 UdeM00000010328 7913 82.4 UdeM00000010328 XP_041093149.1 32.5 154
 100 3 13 163 83 235 5.80E-13 82.4 7913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Polyod
 ontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula
 UdeM00000010329 118141 151.4 UdeM00000010329 XP_036372061.1 30.9
 282 186 4 3 276 4 284 3.20E-33 151.4 118141
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Elopiformes;Megalopidae;Megalops;Megalops cyprinoides
 UdeM00000010330 27687 114 UdeM00000010330 XP_028648757.1 27.9 326
 210 10 4 314 11 326 5.00E-22 114 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000010331 27687 114 UdeM00000010331 XP_028648757.1 27.9 326
 210 10 4 314 11 326 4.20E-22 114 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000010334 390379 73.9 UdeM00000010334 XP_034025591.1 35.6
 118 74 2 6 122 2 118 1.70E-10 73.9 390379
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Batrachoidaria;Batrachoidiforme
 s;Batrachoididae;Thalassophyrinae;Thalassophryne;Thalassophryne
 amazonica
 UdeM00000010335 27706 188 UdeM00000010335 XP_038574946.1 31 387
 248 7 2 375 3 383 3.10E-44 188 27706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Centrarchiformes;Cen
 trarchoidei;Centrarchidae;Micropterus;Micropterus salmoides
 UdeM00000010336 7918 127.1 UdeM00000010336 XP_015215173.1 38.2 191
 115 2 2 190 3 192 2.50E-26 127.1 7918 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Holostei;Semionotiformes;Lepisosteidae
 ;Lepisosteus;Lepisosteus oculatus
 UdeM00000010337 27706 179.9 UdeM00000010337 XP_038574946.1 31.3 387
 247 7 2 375 3 383 8.40E-42 179.9 27706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Centrarchiformes;Cen
 trarchoidei;Centrarchidae;Micropterus;Micropterus salmoides
 UdeM00000010338 35019 181.4 UdeM00000010338 XP_013928539.1 28.8 399
 266 7 41 431 2 390 3.20E-42 181.4 35019 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Serpentes;Col
 ubroidea;Colubridae;Natricinae;Thamnophis;Thamnophis sirtalis

UdeM00000010339 7918 94.7 UdeM00000010339 XP_015215173.1 34.1 164
 106 2 2 164 3 165 1.20E-16 94.7 7918 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Holostei;Semionotiformes;Lepisosteidae
 ;Lepisosteus;Lepisosteus oculatus

UdeM00000010340 7918 97.8 UdeM00000010340 XP_015215173.1 37.6 141
 85 2 7 145 10 149 1.20E-17 97.8 7918 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Holostei;Semionotiformes;Lepisosteidae
 ;Lepisosteus;Lepisosteus oculatus

UdeM00000044330 29159 155.6 UdeM00000044330 XP_011419444.2 40.4 213
 123 3 10 220 21 231 7.50E-35 155.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000044332 6596 120.9 UdeM00000044332 XP_045189084.1 34.3 181
 112 3 1 180 1872 2046 1.60E-24 120.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000044331 6596 82.4 UdeM00000044331 XP_045177776.1 50.6 89
 43 1 41 129 826 913 1.30E-12 82.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006282 6573 82 UdeM00000006282 XP_021340236.1 32.5 157
 95 3 147 296 202 354 1.40E-12 82 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006284 1735272 178.7 UdeM00000006284 XP_041361769.1 29
 445 283 10 229 666 247 665 2.50E-41 178.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000006285 6596 474.6 UdeM00000006285 XP_045216264.1 44.4 698
 353 11 6 674 7 698 2.30E-130 474.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006286 400727 320.1 UdeM00000006286 XP_025078139.1 86.1
 187 25 1 1 186 1 187 1.90E-84 320.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000006287 6596 654.4 UdeM00000006287 XP_045156767.1 72.1 463
 58 3 3 461 2 397 1.00E-184 654.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006288 6596 327 UdeM00000006288 XP_045156695.1 52.2 372
165 4 1 369 1 362 3.10E-86 327 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006289 6573 1159.4 UdeM00000006289 XP_021357580.1 62.6
960 331 7 56 1006 199 1139 0.00E+00 1159.4 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006290 6596 117.5 UdeM00000006290 XP_045215170.1 62.3 114
33 4 19 125 22 132 1.30E-23 117.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006293 6596 279.6 UdeM00000006293 XP_045156566.1 48.2 299
139 4 34 323 51 342 5.70E-72 279.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006294 6596 348.2 UdeM00000006294 XP_045192117.1 30 811
479 15 14 756 147 936 2.90E-92 348.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006295 6596 325.9 UdeM00000006295 XP_045192117.1 32 634
397 8 11 631 324 936 1.30E-85 325.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006296 29159 104.8 UdeM00000006296 XP_034331275.1 31.5 295
168 10 44 306 28 320 2.20E-19 104.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006297 6596 329.7 UdeM00000006297 XP_045192117.1 32.3 634
395 9 11 631 324 936 9.10E-87 329.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006298 6596 413.3 UdeM00000006298 XP_045192117.1 30.8 956
595 19 12 930 11 936 8.80E-112 413.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006299 29159 148.7 UdeM00000006299 XP_011439301.1 61.8 102
35 2 30 130 12 110 5.30E-33 148.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006300 6565 410.2 UdeM00000006300 XP_022328906.1 59.7 347
91 4 1 309 1 336 3.40E-111 410.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006301 225164 552.7 UdeM00000006301 XP_009059440.1 59.9
431 171 1 46 474 39 469 4.40E-154 552.7 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000006302 225164 90.1 UdeM00000006302 XP_009058199.1 50
94 40 2 11 104 2 88 1.90E-15 90.1 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000006303 6579 80.5 UdeM00000006303 XP_033752673.1 46.1 76
38 1 6 78 576 651 1.10E-12 80.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006304 181472 77.8 UdeM00000006304 XP_029975096.1 39.6
111 43 2 1 87 274 384 7.70E-12 77.8 181472

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Blennioidei;Blenniidae;Salariinae;Salaris;Salaris fasciatus

UdeM00000006305 225164 85.9 UdeM00000006305 XP_009058200.1 45.3
106 58 0 1 106 1 106 4.00E-14 85.9 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000006306 10224 178.3 UdeM00000006306 XP_006814006.1 58.5 142
58 1 1 142 1 141 6.80E-42 178.3 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000006307 6596 127.5 UdeM00000006307 XP_045215883.1 46.3 136
71 2 1 136 1 134 1.40E-26 127.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006308 6596 182.2 UdeM00000006308 XP_045191307.1 33.9 381
 210 8 1 380 35 374 1.30E-42 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006310 6596 291.6 UdeM00000006310 XP_045215923.1 55 262
 114 3 3 263 39 297 1.00E-75 291.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006311 6565 60.1 UdeM00000006311 XP_022299013.1 40.3 67
 40 0 26 92 146 212 2.00E-06 60.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006315 6596 1237.6 UdeM00000006315 XP_045216299.1 74
 799 174 3 27 823 27 793 0.00E+00 1237.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006316 6596 346.3 UdeM00000006316 XP_045216301.1 52.9 350
 135 3 16 335 22 371 4.80E-92 346.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006317 6596 130.2 UdeM00000006317 XP_045216301.1 51.7 362
 124 5 408 762 738 1055 1.10E-26 130.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006318 6596 85.9 UdeM00000006318 XP_045156521.1 23.2 413
 268 10 1017 1417 1030 1405 4.70E-13 85.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006319 6596 75.5 UdeM00000006319 XP_045156224.1 52.7 74
 34 1 39 112 43 115 1.80E-10 75.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006320 1735272 136.3 UdeM00000006320 XP_041356266.1 58.2
 98 41 0 1 98 511 608 2.10E-29 136.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000006321 2652724 110.5 UdeM00000006321 XP_020896433.1 34.9
166 103 3 1 164 27 189 3.80E-21 110.5 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000006322 6573 72 UdeM00000006322 XP_021346189.1 59.6 57
23 0 1 57 22 78 5.50E-10 72 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006323 2652724 177.9 UdeM00000006323 XP_020913146.1 54.2
168 77 0 98 265 172 339 1.70E-41 177.9 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000006324 29159 1157.5 UdeM00000006324 XP_011418148.2 78.4
689 147 2 12 699 27 714 0.00E+00 1157.5
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006325 29159 583.2 UdeM00000006325 XP_034323397.1 60.5 476
184 2 8 479 2 477 3.30E-163 583.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006326 6579 533.1 UdeM00000006326 XP_033750315.1 62.2 429
145 3 7 418 16 444 3.20E-148 533.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000006327 29159 58.9 UdeM00000006327 XP_034317976.1 57.1 56
24 0 14 69 119 174 3.50E-06 58.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006328 29159 226.9 UdeM00000006328 XP_034317976.1 56.5 191
82 1 3 192 363 553 2.40E-56 226.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006329 29159 76.3 UdeM00000006329 XP_034317976.1 52.9 70
32 1 1 69 484 553 2.20E-11 76.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006330 6573 108.2 UdeM00000006330 XP_021347744.1 45.9 111
59 1 1 111 52 161 7.00E-21 108.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006331 6596 2000.7 UdeM00000006331 XP_045216804.1 62.6
 1582 487 13 11 1496 17 1590 0.00E+00 2000.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006332 6573 277.3 UdeM00000006332 XP_021342862.1 54.5 277
 117 4 268 538 435 708 4.10E-71 277.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006334 1735272 256.9 UdeM00000006334 XP_041372274.1 27.8
 677 391 17 16 686 28 612 8.80E-65 256.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006335 1735272 256.9 UdeM00000006335 XP_041372274.1 27.8
 677 391 17 15 685 28 612 8.80E-65 256.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006336 6596 637.1 UdeM00000006336 XP_045215999.1 61 508
 182 4 1 500 7 506 1.90E-179 637.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006337 9913 338.2 UdeM00000006337 XP_002686314.2 38.6 477
 279 4 16 482 10 482 2.10E-89 338.2 9913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Artiodactyla;Ruminantia;Pecora;Bovidae;Bovi
 nae;Bos;Bos taurus
 UdeM00000006338 9913 293.9 UdeM00000006338 XP_002686314.2 35.6 477
 263 5 16 452 10 482 4.20E-76 293.9 9913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Artiodactyla;Ruminantia;Pecora;Bovidae;Bovi
 nae;Bos;Bos taurus
 UdeM00000006339 50954 491.9 UdeM00000006339 XP_037357174.1 49.7 481
 237 3 10 486 7 486 1.20E-135 491.9 50954 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Eulipotyphla;Talpidae;Talpa;Talpa
 occidentalis
 UdeM00000006340 6573 316.6 UdeM00000006340 XP_021357620.1 58.6 302
 92 7 1 297 1 274 3.70E-83 316.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006341 6596 497.3 UdeM00000006341 XP_045215171.1 55.5 488
198 10 29 509 1403 1878 2.40E-137 497.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000006342 37653 161.8 UdeM00000006342 XP_014785453.1 31.3 422
251 14 51 464 56 446 2.10E-36 161.8 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000006343 6596 313.2 UdeM00000006343 XP_045156175.1 46.3 387
185 5 1 365 11 396 4.60E-82 313.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000006344 6596 1642.5 UdeM00000006344 XP_045156171.1 72.6
1129 295 9 1 1117 1 1127 0.00E+00 1642.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000006345 1735272 686.8 UdeM00000006345 XP_041366560.1 62.6
554 192 5 31 572 43 593 2.50E-194 686.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000006347 10224 153.3 UdeM00000006347 XP_002731709.1 57.9 121
50 1 1 120 72 192 2.00E-34 153.3 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii
UdeM00000006348 6579 294.3 UdeM00000006348 XP_033750716.1 27.3 770
482 22 8 741 5 732 4.40E-76 294.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000006350 6565 171.4 UdeM00000006350 XP_022333645.1 64.4 132
44 1 1 129 1 132 7.60E-40 171.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000006349 6596 877.1 UdeM00000006349 XP_045216315.1 76.9 541
119 1 1 535 1 541 1.10E-251 877.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006351 6573 656.8 UdeM00000006351 XP_021348761.1 41.7 1043
 498 22 29 1022 105 1086 4.70E-185 656.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006352 6500 66.2 UdeM00000006352 XP_005090219.1 66 47
 16 0 56 102 28 74 8.30E-08 66.2 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000006353 6596 159.1 UdeM00000006353 XP_045216338.1 75.5 106
 26 0 55 160 30 135 4.80E-36 159.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006354 6596 443 UdeM00000006354 XP_045216338.1 64.6 345
 119 1 55 396 30 374 4.10E-121 443 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006355 6596 159.8 UdeM00000006355 XP_045216338.1 75.5 106
 26 0 67 172 30 135 3.00E-36 159.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006356 6596 308.1 UdeM00000006356 XP_045216338.1 63.6 242
 85 1 11 252 132 370 1.00E-80 308.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006357 6596 454.5 UdeM00000006357 XP_045216338.1 65.9 352
 118 1 50 399 16 367 1.40E-124 454.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006358 37653 528.9 UdeM00000006358 XP_014791411.1 60.7 430
 162 2 1 427 85 510 6.10E-147 528.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000006359 7574 405.2 UdeM00000006359 XP_023932423.1 64 358
 117 6 1 351 38 390 9.30E-110 405.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006360 7574 406 UdeM00000006360 XP_023932423.1 64 358
 117 6 1 351 38 390 5.50E-110 406 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000006364 6573 868.6 UdeM00000006364 XP_021348464.1 68 806
214 13 184 977 177 950 7.50E-249 868.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006361 6573 886.3 UdeM00000006361 XP_021348462.1 70.4 794
205 13 192 969 177 956 3.40E-254 886.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006362 6573 871.7 UdeM00000006362 XP_021348464.1 68.2 807
215 13 192 989 177 950 8.90E-250 871.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006363 6573 889.8 UdeM00000006363 XP_021348462.1 70.6 795
206 13 192 973 177 956 3.10E-255 889.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006365 6596 371.7 UdeM00000006365 XP_045156480.1 48.4 368
183 4 5 370 3 365 1.30E-99 371.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006366 6596 569.3 UdeM00000006366 XP_045215290.1 36 1097
528 32 721 1717 696 1718 1.70E-158 569.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006367 6596 662.9 UdeM00000006367 XP_045156489.1 59.8 587
215 10 6 578 120 699 7.00E-187 662.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006368 37653 268.1 UdeM00000006368 XP_014778144.1 85.4 151
22 0 3 153 2 152 7.00E-69 268.1 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000006369 6579 1034.2 UdeM00000006369 XP_033750084.1 55.2
978 418 12 5 976 11 974 1.00E-298 1034.2 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006370 29159 250.8 UdeM00000006370 XP_034325933.1 60.1 208
78 1 1 208 1 203 1.60E-63 250.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006371 400727 146.7 UdeM00000006371 XP_025076589.1 68.5
213 62 2 1 211 1 210 3.30E-32 146.7 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000006372 6596 855.1 UdeM00000006372 XP_045156515.1 63.2 653
234 3 1 651 1 649 5.70E-245 855.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006373 29159 88.6 UdeM00000006373 XP_034307341.1 40.9 110
57 2 9 110 230 339 1.00E-14 88.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006375 6596 187.6 UdeM00000006375 XP_045156514.1 49.5 188
94 1 1 187 34 221 1.70E-44 187.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006376 1735272 382.5 UdeM00000006376 XP_041365122.1 61.5
283 109 0 29 311 75 357 5.20E-103 382.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000006377 1735272 382.5 UdeM00000006377 XP_041365122.1 61.5
283 109 0 17 299 75 357 5.00E-103 382.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000006379 6596 82 UdeM00000006379 XP_045215963.1 62.9 62
22 1 7 68 47 107 3.90E-13 82 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006378 6596 779.6 UdeM00000006378 XP_045215963.1 69.7 532
152 2 7 530 47 577 2.50E-222 779.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006380 6596 702.2 UdeM00000006380 XP_045215963.1 70.6 470
130 1 198 659 108 577 6.20E-199 702.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006381 6596 800.4 UdeM00000006381 XP_045156733.1 55.4 746
 294 12 2 728 6 731 1.90E-228 800.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006383 29159 133.3 UdeM00000006383 XP_034339171.1 50.8 130
 62 1 2 129 32 161 2.40E-28 133.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006382 29159 132.5 UdeM00000006382 XP_034339171.1 50.8 130
 62 1 22 149 32 161 4.70E-28 132.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006384 1735272 255.4 UdeM00000006384 XP_041373203.1 58.3
 204 80 3 6 206 315 516 6.30E-65 255.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006385 1735272 401.4 UdeM00000006385 XP_041373203.1 61
 300 114 2 18 317 17 313 1.10E-108 401.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006386 6596 138.3 UdeM00000006386 XP_045156403.1 63.2 95
 35 0 2 96 63 157 5.30E-30 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006387 6596 232.6 UdeM00000006387 XP_045216803.1 63.5 181
 64 1 1 181 2 180 4.20E-58 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006388 6573 164.1 UdeM00000006388 XP_021355850.1 33.7 252
 153 7 39 284 49 292 2.60E-37 164.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006389 400727 117.1 UdeM00000006389 XP_025077375.1 55.6
 99 42 1 35 131 31 129 1.70E-23 117.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000006390 6596 502.3 UdeM00000006390 XP_045156402.1 54.4 485
 205 7 1 475 1 479 7.40E-139 502.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006391 6573 63.2 UdeM00000006391 XP_021346183.1 29.5 183
 113 4 983 1153 1213 1391 4.00E-06 63.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006392 1735272 317.8 UdeM00000006392 XP_041370368.1 40.8
 478 221 8 3 418 89 566 2.10E-83 317.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006393 6579 344.7 UdeM00000006393 XP_033750821.1 43.2 488
 235 11 19 480 1343 1814 1.80E-91 344.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006396 6573 200.7 UdeM00000006396 XP_021376553.1 48.6 216
 109 2 2 215 225 440 2.60E-48 200.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006397 6596 111.7 UdeM00000006397 XP_045156661.1 51.7 116
 49 2 157 272 32 140 7.20E-21 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006398 6500 348.6 UdeM00000006398 NP_001191465.1 89.4 189
 20 0 1 189 1 189 6.80E-93 348.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000006399 6565 244.6 UdeM00000006399 XP_022332709.1 80.6 180
 34 1 1 180 63 241 9.70E-62 244.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006400 6596 241.9 UdeM00000006400 XP_045156665.1 68.1 166
 53 0 1 166 39 204 5.80E-61 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006401 6579 254.2 UdeM00000006401 XP_033749958.1 65.1 172
 60 0 91 262 74 245 1.80E-64 254.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006402 6596 88.2 UdeM00000006402 XP_045216308.1 44.7 103
 52 2 4 103 785 885 7.40E-15 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006403 6596 653.3 UdeM00000006403 XP_045216308.1 39.5 901
 483 7 15 904 36 885 4.60E-184 653.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006404 6596 557.4 UdeM00000006404 XP_045156679.1 62.7 410
 145 2 101 510 6 407 1.90E-155 557.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006405 6596 565.1 UdeM00000006405 XP_045156679.1 63.8 403
 145 1 101 503 6 407 9.10E-158 565.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006406 6596 292.7 UdeM00000006406 XP_045156679.1 62 205
 78 0 2 206 203 407 3.60E-76 292.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006408 1735272 302.4 UdeM00000006408 XP_041364055.1 42.7
 365 207 2 1 364 1977 2340 7.90E-79 302.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000006409 6596 2643.6 UdeM00000006409 XP_045215276.1 56.8
 2342 978 16 6 2331 5 2329 0.00E+00 2643.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006410 29159 254.6 UdeM00000006410 XP_011416820.2 67.8 174
 54 1 4 175 15 188 1.00E-64 254.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006411 6596 77 UdeM00000006411 XP_045216766.1 36.5 148
 93 1 67 214 45 191 4.40E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006412 6596 1179.1 UdeM00000006412 XP_045216766.1 60.4
 1072 404 7 54 1117 290 1349 0.00E+00 1179.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006413 29159 111.3 UdeM00000006413 XP_019919767.2 24.3 482
 289 13 301 714 168 641 1.50E-20 111.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006414 6596 1422.5 UdeM00000006414 XP_045216538.1 72.5
 958 257 4 15 968 9 964 0.00E+00 1422.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006415 6596 926 UdeM00000006415 XP_045216539.1 78 558
 123 0 1 558 1 558 2.20E-266 926 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006416 2607531 172.9 UdeM00000006416 XP_036361781.1 24.3
 647 428 16 113 726 108 725 1.50E-39 172.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000006417 6573 436 UdeM00000006417 XP_021377146.1 36 1053
 532 31 20 962 733 1753 2.20E-118 436 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006418 6565 81.6 UdeM00000006418 XP_022310266.1 63.3 60
 22 0 1 60 216 275 4.80E-13 81.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006419 29159 305.1 UdeM00000006419 XP_011444271.2 40 635
 336 13 147 752 101 719 2.50E-79 305.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006420 29159 306.6 UdeM00000006420 XP_011444271.2 39.7 642
 337 14 172 786 101 719 9.10E-80 306.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006421 151771 235 UdeM00000006421 XP_028419301.1 45.1
 273 91 3 42 257 34 304 1.10E-58 235 151771
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea

UdeM00000006422 151771 235 UdeM00000006422 XP_028419301.1 45.1
273 91 3 27 242 34 304 1.00E-58 235 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea

UdeM00000006423 70779 96.3 UdeM00000006423 XP_015747352.1 44.4 108
58 1 2 107 297 404 2.80E-17 96.3 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera

UdeM00000006424 45264 81.6 UdeM00000006424 XP_044164583.1 54 87
33 3 27 110 189 271 6.70E-13 81.6 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000006425 6596 152.5 UdeM00000006425 XP_045216702.1 42.9 203
109 2 1 202 1 197 1.20E-33 152.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006426 6579 237.7 UdeM00000006426 XP_033750128.1 39.8 492
241 13 59 537 46 495 3.70E-59 237.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006427 6579 235.7 UdeM00000006427 XP_033750128.1 40 483
244 12 59 528 46 495 1.40E-58 235.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006428 6565 135.2 UdeM00000006428 XP_022299727.1 48.9 139
70 1 4 142 140 277 7.70E-29 135.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006429 29159 115.9 UdeM00000006429 XP_011444271.2 35.7 213
116 7 17 209 508 719 6.10E-23 115.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006430 6573 101.7 UdeM00000006430 XP_021377146.1 52.6 95
44 1 99 193 729 822 2.80E-18 101.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006431 6596 550.8 UdeM00000006431 XP_045156675.1 50.2 619
234 10 62 624 66 666 2.20E-153 550.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006432 6596 289.7 UdeM00000006432 XP_045216361.1 56 252
 99 1 4 243 5 256 3.60E-75 289.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006433 6573 275.4 UdeM00000006433 XP_021356454.1 51 253
 114 6 16 262 8 256 7.50E-71 275.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006435 6596 294.3 UdeM00000006435 XP_045216179.1 51.4 282
 132 3 14 293 22 300 1.80E-76 294.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006436 6596 265.4 UdeM00000006436 XP_045216176.1 57.6 229
 90 2 63 290 45 267 1.00E-67 265.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006437 6596 226.1 UdeM00000006437 XP_045176664.1 30.1 561
 308 19 3 489 15 565 9.80E-56 226.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006439 6596 688 UdeM00000006439 XP_045156855.1 66.2 557
 161 8 5 547 100 643 1.00E-194 688 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006440 6579 139.8 UdeM00000006440 XP_033750646.1 64.3 98
 34 1 1 97 1 98 1.90E-30 139.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006441 6573 171.4 UdeM00000006441 XP_021347440.1 32.6 423
 223 9 1 381 1 403 2.50E-39 171.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006442 29159 245 UdeM00000006442 XP_011442081.2 44.6 267
 136 5 1 256 1 266 1.20E-61 245 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006443 6596 390.6 UdeM00000006443 XP_045215844.1 63 494
 154 6 13 478 10 502 2.90E-105 390.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006444 6596 218.8 UdeM00000006444 XP_045216917.1 54.3 210
75 1 4 213 3 191 6.80E-54 218.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006445 6596 231.1 UdeM00000006445 XP_045216709.1 61.1 175
68 0 2 176 565 739 1.10E-57 231.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006446 6565 1056.2 UdeM00000006446 XP_022331335.1 69.8
736 213 3 1 736 1 727 1.90E-305 1056.2 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006447 6596 275 UdeM00000006447 XP_045176530.1 49.8 275
126 5 27 296 24 291 1.10E-70 275 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006448 6596 297.7 UdeM00000006448 XP_045176530.1 51.8 274
126 4 27 300 24 291 1.60E-77 297.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006449 6596 1541.2 UdeM00000006449 XP_045216154.1 67.7
1162 354 7 61 1204 45 1203 0.00E+00 1541.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006452 6596 346.7 UdeM00000006452 XP_045188650.1 38.3 480
292 3 4 480 3 481 5.10E-92 346.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006453 6596 296.6 UdeM00000006453 XP_045176530.1 51.1 274
128 4 27 300 24 291 3.70E-77 296.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006454 6596 281.6 UdeM00000006454 XP_045169572.1 39.6 434
 194 10 45 415 32 460 1.70E-72 281.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006455 6706 143.7 UdeM00000006455 XP_042235765.1 43.3 157
 89 0 1 157 1 157 2.10E-31 143.7 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000006456 1735272 152.9 UdeM00000006456 XP_041349428.1 42.5
 186 107 0 87 272 47 232 5.90E-34 152.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006457 72036 142.5 UdeM00000006457 XP_040576246.1 41.1 185
 107 2 16 198 71 255 5.80E-31 142.5 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000006458 6596 354.4 UdeM00000006458 XP_045216150.1 54.5 332
 140 8 16 341 25 351 1.90E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006459 6579 810.4 UdeM00000006459 XP_033750282.1 69.5 541
 161 2 1 537 1 541 1.30E-231 810.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006460 6596 120.6 UdeM00000006460 XP_045216735.1 30 247
 152 4 29 258 45 287 3.10E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006461 29159 680.2 UdeM00000006461 XP_034325124.1 55.7 628
 232 9 7 610 5 610 2.30E-192 680.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006462 29159 192.6 UdeM00000006462 XP_034311349.1 48.7 234
 93 6 1 212 1 229 5.30E-46 192.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006463 29159 507.7 UdeM00000006463 XP_034313077.1 71.5 323
 92 0 1 323 1 323 1.10E-140 507.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006464 6596 677.9 UdeM00000006464 XP_045216859.1 54.2 605
259 3 1 587 1 605 1.40E-191 677.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006465 29159 133.7 UdeM00000006465 XP_034319278.1 54.8 115
48 2 2 115 37 148 1.90E-28 133.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006466 6596 775.4 UdeM00000006466 XP_045216859.1 57.9 648
250 4 1 625 1 648 5.50E-221 775.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006467 6573 424.1 UdeM00000006467 XP_021377202.1 69.6 480
139 3 11 484 12 490 2.40E-115 424.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006468 6573 501.9 UdeM00000006468 XP_021377197.1 62.8 379
140 1 1 379 3 380 7.10E-139 501.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006469 6596 438 UdeM00000006469 XP_045156653.1 85.8 260
37 0 1 260 1 260 8.70E-120 438 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006470 6596 310.1 UdeM00000006470 XP_045216176.1 60.5 238
93 1 35 271 34 271 3.20E-81 310.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006471 6596 152.1 UdeM00000006471 XP_045206316.1 45.3 181
98 1 28 207 66 246 7.60E-34 152.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006472 6596 87.8 UdeM00000006472 XP_045201969.1 54.9 91
33 2 1 83 19 109 1.50E-14 87.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006473 6596 508.8 UdeM00000006473 XP_045215778.1 44.5 739
 298 17 10 706 9 677 1.10E-140 508.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006474 6596 169.5 UdeM00000006474 XP_045216239.1 32.2 314
 197 4 34 333 66 377 7.90E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006475 9238 103.6 UdeM00000006475 XP_009329258.1 34.5 145
 82 2 1 135 195 336 2.10E-19 103.6 9238 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Sphenisciformes;Spheniscidae;Pygoscelis;Pygoscelis adeliae
 UdeM00000006476 6596 167.2 UdeM00000006476 XP_045156366.1 34.7 274
 80 2 4 178 5 278 2.00E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006477 6596 369.4 UdeM00000006477 XP_045156366.1 47.1 399
 178 4 13 379 228 625 5.50E-99 369.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006478 6573 175.6 UdeM00000006478 XP_021368649.1 61.3 137
 51 2 21 156 489 624 4.80E-41 175.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006479 6596 373.6 UdeM00000006479 XP_045201099.1 64.4 264
 93 1 25 287 1 264 2.20E-100 373.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006480 29159 177.6 UdeM00000006480 XP_011443561.2 58.2 134
 55 1 32 164 48 181 1.30E-41 177.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006481 6596 184.5 UdeM00000006481 XP_045202545.1 49 202
 77 5 10 186 10 210 1.20E-43 184.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006482 6596 583.6 UdeM00000006482 XP_045156366.1 53.7 486
 223 1 5 490 6 489 2.40E-163 583.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006483 6596 288.9 UdeM00000006483 XP_045178703.1 58 243
 99 1 45 287 29 268 7.20E-75 288.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006484 6596 1205.3 UdeM00000006484 XP_045156391.1 60.9
 1543 492 23 1 1479 55 1549 0.00E+00 1205.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006485 6412 93.2 UdeM00000006485 XP_009017993.1 46.7 92
 48 1 7 98 12 102 2.10E-16 93.2 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000006486 6573 530 UdeM00000006486 XP_021362179.1 70.6 422
 92 8 1 411 1 401 2.60E-147 530 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006487 1203425 60.1 UdeM00000006487 XP_034539012.1 36.7
 109 60 4 101 202 213 319 4.00E-06 60.1 1203425
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae
 ;Notolabrus;Notolabrus celidotus
 UdeM00000006489 6596 1364.4 UdeM00000006489 XP_045156829.1 63.8
 1050 364 6 4 1047 1 1040 0.00E+00 1364.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006490 6573 186.4 UdeM00000006490 XP_021355866.1 40.3 290
 156 6 20 295 16 302 5.20E-44 186.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006491 6596 392.5 UdeM00000006491 XP_045156843.1 62 295
 112 0 9 303 287 581 5.00E-106 392.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000006492 29159 386.3 UdeM00000006492 XP_011451447.2 71.5 267
 75 1 1 267 1 266 3.20E-104 386.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006495 6573 311.2 UdeM00000006495 XP_021369654.1 47.1 378
 178 7 24 395 31 392 2.40E-81 311.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006494 6573 311.2 UdeM00000006494 XP_021369654.1 47.1 378
 178 7 24 395 31 392 2.40E-81 311.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006497 6573 308.5 UdeM00000006497 XP_021369654.1 46.8 378
 179 7 24 395 31 392 1.50E-80 308.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006496 6573 308.5 UdeM00000006496 XP_021369654.1 46.8 378
 179 7 24 395 31 392 1.50E-80 308.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006499 6579 278.9 UdeM00000006499 XP_033750780.1 28.2 737
 484 18 1 727 1 702 1.90E-71 278.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006500 6579 313.5 UdeM00000006500 XP_033749631.1 43.3 480
 230 13 26 498 33 477 7.00E-82 313.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006501 400727 166.4 UdeM00000006501 XP_025077308.1 51.7
 145 69 1 6 149 5 149 2.80E-38 166.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006502 6596 485.7 UdeM00000006502 XP_045216271.1 70 323
 95 1 1 321 34 356 4.50E-134 485.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000006503 6596 246.1 UdeM00000006503 XP_045216269.1 57.1 247
 99 1 5 244 1 247 4.60E-62 246.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006504 6596 597 UdeM00000006504 XP_045216268.1 58.8 483
 198 1 10 492 2 483 2.10E-167 597 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006505 6596 1588.5 UdeM00000006505 XP_045156734.1 46.8
 1727 886 14 5 1727 7 1705 0.00E+00 1588.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006507 29159 216.9 UdeM00000006507 XP_034312908.1 28.4 649
 341 20 9 564 6 623 6.80E-53 216.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006508 29159 72.4 UdeM00000006508 XP_034307878.1 32.3 99
 67 0 1 99 92 190 1.10E-09 72.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006510 6596 72.8 UdeM00000006510 XP_045206353.1 33.6 143
 75 4 1 130 189 324 4.20E-10 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006513 6596 353.2 UdeM00000006513 XP_045216686.1 49.8 811
 340 14 1 787 1 768 1.60E-93 353.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006514 6596 353.2 UdeM00000006514 XP_045216686.1 49.8 811
 340 14 1 787 1 768 1.60E-93 353.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006515 6596 353.2 UdeM00000006515 XP_045216686.1 49.8 811
 340 14 1 787 1 768 1.50E-93 353.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006516 6579 196.8 UdeM00000006516 XP_033741736.1 52.9 187
 86 1 1 185 671 857 2.60E-47 196.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006517 7574 116.7 UdeM00000006517 XP_013410728.1 51.1 131
 58 2 351 476 215 344 8.10E-23 116.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006518 7574 116.7 UdeM00000006518 XP_013410728.1 51.1 131
 58 2 353 478 215 344 8.10E-23 116.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006519 6596 544.7 UdeM00000006519 XP_045216642.1 50.4 573
 253 10 254 823 44 588 2.10E-151 544.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006521 6596 202.6 UdeM00000006521 XP_045215820.1 43.9 262
 127 6 6 254 7 261 6.10E-49 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006522 6596 413.3 UdeM00000006522 XP_045215662.1 53.5 387
 168 2 1 375 1 387 3.30E-112 413.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006523 6596 459.1 UdeM00000006523 XP_045215663.1 36.7 1117
 497 32 1 1029 432 1426 1.40E-125 459.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006524 6596 944.5 UdeM00000006524 XP_045215663.1 45.2 1548
 605 35 1 1427 1 1426 1.60E-271 944.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006525 6105 1149 UdeM00000006525 XP_031555859.1 27.8 3637
 2179 108 38 3428 3 3438 0.00E+00 1149 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000006526 6105 1127.1 UdeM00000006526 XP_031555859.1 27.7
 3620 2196 114 38 3419 3 3438 0.00E+00 1127.1 6105
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000006527 6596 445.3 UdeM00000006527 XP_045215472.1 54.3 403
 182 2 1 402 1 402 8.50E-122 445.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006528 9689 79.7 UdeM00000006528 XP_042780561.1 23.6 275
 181 10 28 290 2971 3228 9.70E-12 79.7 9689 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Carnivora;Feliformia;Felidae;Pantherinae;Pa
 nthera;Panthera leo
 UdeM00000006529 29159 1558.9 UdeM00000006529 XP_034321209.1 66.5
 1361 406 10 9 1337 66 1408 0.00E+00 1558.9
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006530 6573 785 UdeM00000006530 XP_021345689.1 78.9 513
 105 3 503 1012 1405 1917 1.10E-223 785 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006531 6596 157.5 UdeM00000006531 XP_045182138.1 30.8 344
 231 3 114 453 58 398 4.00E-35 157.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006532 6596 260 UdeM00000006532 XP_045208212.1 34 479
 274 13 73 516 96 567 6.40E-66 260 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006533 6596 253.1 UdeM00000006533 XP_045208212.1 33 466
 272 10 168 600 95 553 9.50E-64 253.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006534 6596 258.5 UdeM00000006534 XP_045208212.1 33 460
 278 9 28 459 96 553 1.70E-65 258.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006535 6596 248.4 UdeM00000006535 XP_045208212.1 33.6 461
 272 13 39 468 96 553 1.80E-62 248.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006536 6596 111.7 UdeM00000006536 XP_045209755.1 38.3 175
 98 4 3 169 367 539 9.30E-22 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006537 6596 74.3 UdeM00000006537 XP_045208212.1 43.2 88
 46 3 25 111 97 181 1.10E-10 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006538 6596 229.2 UdeM00000006538 XP_045208212.1 30.2 474
 299 12 33 477 96 566 1.10E-56 229.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006539 6596 260 UdeM00000006539 XP_045208212.1 33.9 475
 278 11 23 465 96 566 5.80E-66 260 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006540 6573 361.7 UdeM00000006540 XP_021371247.1 35 566
 357 8 12 572 80 639 1.70E-96 361.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006541 6596 259.2 UdeM00000006541 XP_045208212.1 32.9 474
 280 12 7 444 95 566 9.40E-66 259.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006542 29159 121.7 UdeM00000006542 XP_034313014.1 41.6 161
 80 4 1 152 347 502 9.10E-25 121.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006543 6596 112.8 UdeM00000006543 XP_045182957.1 34.3 169
 109 2 10 176 39 207 4.30E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006544 114398 425.2 UdeM00000006544 XP_042903861.1 38.6
 609 363 6 1 605 1 602 1.30E-115 425.2 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000006545 6596 261.9 UdeM00000006545 XP_045208212.1 32.9 474
 280 12 7 444 95 566 1.50E-66 261.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037751 6596 122.1 UdeM00000037751 XP_045207896.1 43.1 130
 72 2 18 145 19 148 6.50E-25 122.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037752 6596 131 UdeM00000037752 XP_045190986.1 43.2 155
 72 7 4 147 18 167 1.30E-27 131 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037753 6596 372.1 UdeM00000037753 XP_045189424.1 71.5 260
 72 2 1 258 1 260 5.80E-100 372.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037754 6596 381.3 UdeM00000037754 XP_045189035.1 43.7 659
 311 20 144 781 292 911 2.90E-102 381.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037755 7574 100.9 UdeM00000037755 XP_013413350.1 70.9 258
 59 1 1 258 1 242 2.90E-18 100.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000037756 2607531 306.2 UdeM00000037756 XP_029657462.1 56.2
 276 121 0 92 367 7 282 5.50E-80 306.2 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000037757 6596 69.7 UdeM00000037757 XP_045199277.1 37.3 102
 60 1 7 104 32 133 2.50E-09 69.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037758 6596 69.7 UdeM00000037758 XP_045199277.1 37.3 102
 60 1 7 104 32 133 2.50E-09 69.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041844 6596 191.8 UdeM00000041844 XP_045177776.1 36.6 317
 179 8 1 312 405 704 1.40E-45 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000041845 6596 191.8 UdeM00000041845 XP_045177776.1 36.6 317
 179 8 1 312 405 704 2.50E-45 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041846 6596 109.8 UdeM00000041846 XP_045188183.1 40.9 159
 87 5 2 158 85 238 4.80E-21 109.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041847 45351 89.7 UdeM00000041847 XP_032236999.1 35.1 151
 82 2 9 144 11 160 4.30E-15 89.7 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000041848 37653 82.8 UdeM00000041848 XP_014767494.1 81.2 48
 9 0 4 51 1001 1048 1.90E-13 82.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000041850 6565 121.3 UdeM00000041850 XP_022299602.1 40 175
 100 4 265 438 2 172 6.00E-24 121.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043790 6945 87 UdeM00000043790 XP_040065097.1 31.2 170
 91 4 59 202 85 254 4.50E-14 87 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000043791 6596 374.8 UdeM00000043791 XP_045215193.1 55.9 347
 138 4 1 343 1 336 1.20E-100 374.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043872 1735272 156.4 UdeM00000043872 XP_041365180.1 38.6
 202 120 1 50 247 164 365 4.80E-35 156.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043873 6526 165.6 UdeM00000043873 XP_013062038.1 42.1 228
 122 4 46 267 470 693 9.80E-38 165.6 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000043874 6579 213.8 UdeM00000043874 XP_033746632.1 75.4 142
 34 1 9 150 8 148 1.50E-52 213.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043875 6573 684.1 UdeM00000043875 XP_021376508.1 72 454
126 1 1 454 156 608 1.20E-193 684.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000043877 1735272 68.2 UdeM00000043877 XP_041379611.1 53.8
65 29 1 1 65 1 64 5.40E-09 68.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000043878 6596 1074.3 UdeM00000043878 XP_045166777.1 74.3
740 182 3 3 741 10 742 8.4e-311 1074.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043879 6579 594.7 UdeM00000043879 XP_033746113.1 66.4 423
140 2 5 425 24 446 9.10E-167 594.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043880 6596 932.6 UdeM00000043880 XP_045164938.1 73.4 595
155 1 1 595 48 639 2.60E-268 932.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043881 6565 413.7 UdeM00000043881 XP_022299316.1 73.1 279
72 1 1 276 1 279 2.20E-112 413.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043882 6596 1318.1 UdeM00000043882 XP_045167135.1 74.3
892 209 7 14 894 267 1149 0.00E+00 1318.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043883 37653 279.6 UdeM00000043883 XP_014768504.1 93.2 146
10 0 14 159 72 217 2.40E-72 279.6 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000043884 37653 370.2 UdeM00000043884 XP_014768504.1 94.3 192
11 0 1 192 26 217 1.60E-99 370.2 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000043885 2652724 263.5 UdeM00000043885 XP_020904734.1 67.7
 189 61 0 6 194 4 192 2.20E-67 263.5 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000043886 6105 248.1 UdeM00000043886 XP_031571234.1 63.2 185
 68 0 5 189 4 188 9.50E-63 248.1 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000043887 7668 267.3 UdeM00000043887 XP_011678806.1 71 183
 53 0 5 187 3 185 1.50E-68 267.3 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000043888 29159 684.5 UdeM00000043888 XP_034306028.1 55.9 755
 292 10 460 1193 39 773 2.40E-193 684.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043889 7396 92.8 UdeM00000043889 XP_037889425.1 61.1 72
 24 1 7 78 5 72 2.10E-16 92.8 7396 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscom
 orpha;Eremoneura;Cyclorrhapha;Schizophora;Calyptratae;Hippoboscoidea;Glos
 sinidae;Glossina;Nemorhina;Glossina fuscipes
 UdeM00000043890 29159 646.7 UdeM00000043890 XP_011431535.1 77.7 399
 89 0 1 399 1 399 1.90E-182 646.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043891 6596 453.4 UdeM00000043891 XP_045164110.1 74.1 297
 76 1 1 297 167 462 2.30E-124 453.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043892 6596 135.2 UdeM00000043892 XP_045164111.1 67.5 114
 32 3 43 156 37 145 7.50E-29 135.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043893 6596 134.4 UdeM00000043893 XP_045166707.1 25.1 601
 332 27 6 577 32 543 9.10E-28 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043894 114398 417.2 UdeM00000043894 XP_042903861.1 39.7
 574 335 6 1 570 1 567 3.50E-113 417.2 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Araneae; Araneomorphae; Entelegynae; Orbiculariae; Araneoidea; Theridiidae; Parasteatoda; Parasteatoda tepidariorum

UdeM00000043895 114398 363.6 UdeM00000043895 XP_042903861.1 38.9
512 302 6 1 508 1 505 4.10E-97 363.6 114398
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Araneae; Araneomorphae; Entelegynae; Orbiculariae; Araneoidea; Theridiidae; Parasteatoda; Parasteatoda tepidariorum

UdeM00000043896 6596 498 UdeM00000043896 XP_045164766.1 51.5 581
243 13 2 565 20 578 1.50E-137 498 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043897 6596 195.3 UdeM00000043897 XP_045164712.1 26.1 618
387 20 47 614 34 631 2.50E-46 195.3 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043898 6596 94.7 UdeM00000043898 XP_045163677.1 23.5 324
226 6 73 375 72 394 2.70E-16 94.7 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043900 6596 216.5 UdeM00000043900 XP_045166251.1 34.3 356
217 6 100 441 168 520 7.10E-53 216.5 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043901 6596 196.1 UdeM00000043901 XP_045166251.1 30.5 364
220 6 46 395 176 520 8.90E-47 196.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043902 6596 123.6 UdeM00000043902 XP_045178046.1 26.3 315
204 6 117 405 88 400 5.80E-25 123.6 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043905 6596 530.4 UdeM00000043905 XP_045164558.1 69.4 392
107 5 1 391 1 380 1.90E-147 530.4 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043903 6596 531.9 UdeM00000043903 XP_045164560.1 69.2 396
108 6 1 394 1 384 6.80E-148 531.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043904 6596 530 UdeM00000043904 XP_045164558.1 69.4 392
107 5 1 391 1 380 2.60E-147 530 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043906 6596 249.6 UdeM00000043906 XP_045165974.1 58.1 203
85 0 9 211 348 550 3.60E-63 249.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043907 6579 357.5 UdeM00000043907 XP_033745000.1 68.4 225
71 0 93 317 220 444 1.90E-95 357.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043909 225164 71.6 UdeM00000043909 XP_009064933.1 36.6
131 67 4 1 117 56 184 1.50E-09 71.6 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000043908 225164 136 UdeM00000043908 XP_009064933.1 41.1
180 90 4 2 167 7 184 7.60E-29 136 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000043910 6573 652.9 UdeM00000043910 XP_021356972.1 83.4 392
38 1 1 365 29 420 2.40E-184 652.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043911 6596 1514.2 UdeM00000043911 XP_045214991.1 48.8
1589 746 21 1 1541 1 1570 0.00E+00 1514.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043912 6596 1143.3 UdeM00000043912 XP_045165894.1 81.9
756 128 3 1 752 1 751 0.00E+00 1143.3 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043913 6596 1060.8 UdeM00000043913 XP_045166997.1 46
1206 578 14 1 1185 1 1154 1.20E-306 1060.8 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043914 6579 188.3 UdeM00000043914 XP_033744880.1 32.5 507
255 16 17 509 1215 1648 2.30E-44 188.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043915 6579 188.3 UdeM00000043915 XP_033744880.1 32.5 510
257 16 24 519 1212 1648 2.40E-44 188.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043916 742174 661.8 UdeM00000043916 XP_025208820.1 72.3
441 121 1 1 440 1 441 6.20E-187 661.8 742174
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
phidomorpha;Aphidoidea;Aphididae;Aphidinae;Aphidini;Melanaphis;Melanaphis
sacchari
UdeM00000043917 1735272 1390.2 UdeM00000043917 XP_041349539.1
52.7 1354 483 12 30 1369 28 1237 0.00E+00 1390.2
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000043918 6565 199.9 UdeM00000043918 XP_022334649.1 37.5 339
186 4 13 344 8 327 5.30E-48 199.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043919 6596 293.9 UdeM00000043919 XP_045165297.1 54.8 263
111 4 17 276 81 338 4.90E-76 293.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043920 6596 1162.5 UdeM00000043920 XP_045167054.1 52.5
1258 524 21 25 1255 28 1238 0.00E+00 1162.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043921 6596 553.1 UdeM00000043921 XP_045164623.1 36 947
447 18 52 970 11 826 9.20E-154 553.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043922 2607531 169.9 UdeM00000043922 XP_029658075.1 41
 244 125 2 60 285 23 265 5.20E-39 169.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000043923 2607531 138.3 UdeM00000043923 XP_029658075.1 46.8
 158 84 0 23 180 81 238 9.80E-30 138.3 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000043924 6596 767.3 UdeM00000043924 XP_045165215.1 78 446
 98 0 1 446 1 446 1.10E-218 767.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043925 6596 169.1 UdeM00000043925 XP_045206989.1 48.7 154
 75 2 5 155 20 172 4.70E-39 169.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043926 6596 178.3 UdeM00000043926 XP_045206989.1 50.3 165
 74 4 1 161 17 177 7.70E-42 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043927 6596 825.5 UdeM00000043927 XP_045164327.1 68.3 558
 176 1 20 577 16 572 4.40E-236 825.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043928 8090 117.9 UdeM00000043928 XP_004073479.1 39.2 158
 79 3 6 160 263 406 1.20E-23 117.9 8090 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
 oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
 latipes
 UdeM00000043929 27794 133.7 UdeM00000043929 XP_043351521.1 34 206
 111 3 12 195 143 345 2.60E-28 133.7 27794 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Americhelydia;Ch
 elonioidea;Dermochelyidae;Dermochelys;Dermochelys coriacea
 UdeM00000043930 30195 135.6 UdeM00000043930 XP_012165052.2 32.5 194
 119 3 9 195 23 211 6.90E-29 135.6 30195 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
eata;Apoidea;Apidae;Apinae;Bombini;Bombus;Bombus;Bombus terrestris
UdeM00000043931 9103 121.3 UdeM00000043931 XP_019477770.1 31.7 221
117 3 2 200 186 394 1.40E-24 121.3 9103 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
ognathae;Galloanserae;Galliformes;Phasianidae;Meleagridinae;Meleagris;Mel
eagris gallopavo
UdeM00000043932 7830 115.9 UdeM00000043932 XP_038633355.1 33.9 189
114 2 22 201 237 423 5.90E-23 115.9 7830 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Carcharhiniformes;Scyliorhinidae;Scyllo
rhinus;Scyliorhinus canicula
UdeM00000043933 6596 2509.6 UdeM00000043933 XP_045195034.1 34.1
5022 2966 106 273 5067 137 5040 0.00E+00 2509.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043934 6596 486.1 UdeM00000043934 XP_045195034.1 27.9 1351
852 33 36 1300 3726 5040 1.40E-133 486.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043935 6596 112.5 UdeM00000043935 XP_045195034.1 29.6 324
172 8 4 279 3107 3422 9.40E-22 112.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043936 6565 201.4 UdeM00000043936 XP_022335825.1 43.5 246
135 3 4 246 543 787 4.00E-48 201.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043938 6565 107.8 UdeM00000043938 XP_022337267.1 33.5 254
119 8 11 214 264 517 4.60E-20 107.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043939 6565 104.8 UdeM00000043939 XP_022337267.1 33.5 254
106 9 11 201 264 517 3.80E-19 104.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043940 6596 2459.5 UdeM00000043940 XP_045195034.1 33.5
5028 2920 106 130 4981 227 5006 0.00E+00 2459.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043943	6596	2505.7						UdeM00000043943	XP_045195034.1	34.4
4979	2891	109	10	4763	211	5039	0.00E+00	2505.7	6596	

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043944	6596	2514.6						UdeM00000043944	XP_045195034.1	34.7
4912	2829	102	409	5049	237	5040	0.00E+00	2514.6	6596	

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043945	1437191	153.3						UdeM00000043945	XP_029054816.1	44.4
162	87	2	1	159	302	463	2.60E-34	153.3	1437191	

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
eata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia bicornis;Osmia
bicornis bicornis

UdeM00000043946	6596	2457.2						UdeM00000043946	XP_045195034.1	33.8
4955	2870	102	448	5233	329	5041	0.00E+00	2457.2	6596	

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043947	6579	625.5						UdeM00000043947	XP_033740878.1	48.5	742
314	12	1	699	1	717	7.90E-176	625.5	6579	cellular		

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043948	6579	194.5						UdeM00000043948	XP_033741736.1	52.9	187
86	1	1	185	671	857	1.30E-46	194.5	6579	cellular		

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043950	6579	619.4						UdeM00000043950	XP_033740878.1	47.8	742
319	11	1	699	1	717	5.70E-174	619.4	6579	cellular		

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043951	1735272	144.4						UdeM00000043951	XP_041347828.1	48.3	
145	70	1	4	148	8	147	1.50E-31	144.4	1735272		

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000043952 7574 134 UdeM00000043952 XP_013383519.1 32.2 366
 177 14 798 1133 785 1109 1.20E-27 134 7574 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin-
 guloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000043953 6596 584.3 UdeM00000043953 XP_045164578.1 70.4 450
 127 4 14 462 581 1025 1.30E-163 584.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000043954 6596 413.3 UdeM00000043954 XP_045164578.1 69.6 293
 87 2 21 312 313 604 6.70E-112 413.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000043955 6596 844 UdeM00000043955 XP_045164577.1 68.6 601
 187 2 4 603 6 605 1.20E-241 844 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000043956 6596 554.7 UdeM00000043956 XP_045164580.1 55.8 484
 198 3 1 469 1 483 1.00E-153 554.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000043957 6596 576.6 UdeM00000043957 XP_045164580.1 57.2 484
 201 2 1 479 1 483 2.50E-160 576.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000043958 6596 1508 UdeM00000043958 XP_045166227.1 59.6 1204
 472 7 7 1200 5 1204 0.00E+00 1508 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000043959 6596 99.8 UdeM00000043959 XP_045164574.1 40 125
 68 4 1 124 1 119 8.50E-18 99.8 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000043960 29159 85.9 UdeM00000043960 XP_034317213.1 46.1 89
 47 1 10 98 16 103 1.20E-13 85.9 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr-
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000043961 29159 85.9 UdeM00000043961 XP_034317213.1 46.1 89
 47 1 10 98 16 103 1.10E-13 85.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043962 191870 102.8 UdeM00000043962 XP_044516074.1 26
 385 226 11 63 417 162 517 1.10E-18 102.8 191870
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metather
 ia;Didelphimorphia;Didelphidae;Didelphinae;Gracilinanus;Gracilinanus
 agilis
 UdeM00000043963 118141 87.8 UdeM00000043963 XP_036382454.1 33.3
 177 102 5 64 227 143 316 2.10E-14 87.8 118141
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Elopiformes;Megalopidae;Megalops;Megalops cyprinoides
 UdeM00000043964 118141 87.8 UdeM00000043964 XP_036382454.1 33.3
 177 102 5 64 227 143 316 2.10E-14 87.8 118141
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Elopiformes;Megalopidae;Megalops;Megalops cyprinoides
 UdeM00000043965 7739 71.2 UdeM00000043965 XP_035660271.1 33.7 83
 53 1 37 119 170 250 1.20E-09 71.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000043966 7739 91.7 UdeM00000043966 XP_035682735.1 37.6 133
 79 4 76 206 19 149 1.30E-15 91.7 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000043967 29159 149.1 UdeM00000043967 XP_034330386.1 41.8 213
 98 6 18 205 111 322 7.40E-33 149.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043968 7739 99.8 UdeM00000043968 XP_035682735.1 34.3 172
 108 5 76 245 19 187 5.30E-18 99.8 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000043969 7739 98.2 UdeM00000043969 XP_035682735.1 34.3 169
 106 5 76 242 19 184 1.50E-17 98.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000043970 43700 72.8 UdeM00000043970 XP_020473061.1 29.2 178
 105 4 33 208 165 323 6.90E-10 72.8 43700 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Anabantaria;Synbranchiformes;Sy
nbranchoidei;Synbranchidae;Monopterus;Monopterus albus

UdeM00000043971 7897 96.3 UdeM00000043971 XP_006008200.2 26.9 286
185 8 200 467 4 283 1.40E-16 96.3 7897 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Coelacanthomorpha;Coelacanthiformes;Coelacanthidae;Latimeria;La
timeria chalumnae

UdeM00000043972 191870 89.7 UdeM00000043972 XP_044516074.1 28.7
261 146 9 1 245 166 402 6.50E-15 89.7 191870
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metather
ia;Didelphimorphia;Didelphidae;Didelphinae;Gracilinanus;Gracilinanus
agilis

UdeM00000043973 6596 356.3 UdeM00000043973 XP_045164961.1 68.3 331
104 1 38 368 105 434 6.00E-95 356.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043974 6596 690.3 UdeM00000043974 XP_045166530.1 67 458
148 2 2 456 4 461 1.70E-195 690.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043975 6596 1293.5 UdeM00000043975 XP_045164494.1 78.2
958 209 0 1 958 1 958 0.00E+00 1293.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043976 6565 833.6 UdeM00000043976 XP_022295968.1 94.1 456
27 0 1 456 1 456 1.20E-238 833.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043977 7574 898.3 UdeM00000043977 XP_013409211.1 93.9 476
29 0 1 476 1 476 4.30E-258 898.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000043978 6596 451.1 UdeM00000043978 XP_045166192.1 54.8 378
169 2 22 398 23 399 1.50E-123 451.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043979 6596 132.1 UdeM00000043979 XP_045166192.1 56 109
 47 1 454 562 292 399 2.20E-27 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043980 6579 455.7 UdeM00000043980 XP_033744623.1 62.9 453
 112 14 1 449 2 402 7.90E-125 455.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043982 6573 98.6 UdeM00000043982 XP_021354625.1 32.1 212
 133 6 6 207 14 224 1.00E-17 98.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043983 6573 89 UdeM00000043983 XP_021354625.1 28.8 215
 144 4 6 211 14 228 8.10E-15 89 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043984 6573 91.3 UdeM00000043984 XP_021354625.1 33.7 166
 108 2 44 207 59 224 1.60E-15 91.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043985 6573 94 UdeM00000043985 XP_021354625.1 36.9 168
 102 4 44 209 59 224 2.50E-16 94 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043986 6573 95.1 UdeM00000043986 XP_021354625.1 37.1 167
 101 4 44 207 59 224 1.10E-16 95.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043987 6573 95.1 UdeM00000043987 XP_021354625.1 36.5 170
 104 4 17 183 56 224 1.00E-16 95.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043988 6573 91.3 UdeM00000043988 XP_021354625.1 33.7 166
 108 2 44 207 59 224 1.60E-15 91.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043989 6573 95.1 UdeM00000043989 XP_021354625.1 37.1 167
 101 4 44 207 59 224 1.10E-16 95.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043990 6573 94 UdeM00000043990 XP_021354625.1 36.9 168
 102 4 44 209 59 224 2.50E-16 94 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043991 6573 95.1 UdeM00000043991 XP_021354625.1 36.5 170
 104 4 17 183 56 224 1.00E-16 95.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043992 6573 91.3 UdeM00000043992 XP_021354625.1 33.7 166
 108 2 44 207 59 224 1.60E-15 91.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043993 6573 94 UdeM00000043993 XP_021354625.1 36.9 168
 102 4 44 209 59 224 2.50E-16 94 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043994 6573 95.1 UdeM00000043994 XP_021354625.1 37.1 167
 101 4 44 207 59 224 1.10E-16 95.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043995 6573 95.1 UdeM00000043995 XP_021354625.1 36.5 170
 104 4 17 183 56 224 1.00E-16 95.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043996 6573 85.9 UdeM00000043996 XP_021354625.1 33.5 167
 107 4 44 207 59 224 6.80E-14 85.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043997 6596 89.4 UdeM00000043997 XP_045170602.1 35.5 155
 96 3 47 198 114 267 5.90E-15 89.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043999 6596 70.5 UdeM00000043999 XP_045206710.1 27.3 198
 126 5 21 208 47 236 3.00E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044000 6596 73.9 UdeM00000044000 XP_045169963.1 28 207
 131 5 7 207 6 200 2.70E-10 73.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000044001 6596 278.5 UdeM00000044001 XP_045166199.1 52.1 288
 132 4 1 284 20 305 9.60E-72 278.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044002 1735272 86.3 UdeM00000044002 XP_041349537.1 47.5
 99 46 1 7 105 5 97 8.60E-14 86.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000044003 6596 99.8 UdeM00000044003 XP_045166588.1 41.9 129
 73 2 235 362 47 174 7.90E-18 99.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044004 7741 283.9 UdeM00000044004 XP_019619576.1 34.3 431
 248 14 70 479 735 1151 5.00E-73 283.9 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000044005 6596 236.5 UdeM00000044005 XP_045166555.1 51.8 228
 104 2 1 222 1 228 3.30E-59 236.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044007 6596 508.4 UdeM00000044007 XP_045165037.1 64.4 609
 194 3 1 588 1 607 1.20E-140 508.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044008 7574 526.9 UdeM00000044008 XP_013384141.1 73.3 315
 84 0 23 337 27 341 2.50E-146 526.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000044009 6565 540.8 UdeM00000044009 XP_022299873.1 79.2 342
 49 1 44 385 247 566 1.40E-150 540.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044010 6565 552.7 UdeM00000044010 XP_022299873.1 84.7 320
 49 0 44 363 247 566 3.40E-154 552.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044011 6573 146.4 UdeM00000044011 XP_021350399.1 33 321
 177 6 18 308 1 313 6.60E-32 146.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000044012 6565 217.6 UdeM00000044012 XP_022299727.1 46.8 233
121 2 1 231 46 277 1.80E-53 217.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044013 29159 235 UdeM00000044013 XP_011444407.2 84.8 165
12 2 1 163 32 185 7.10E-59 235 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000044015 29159 226.9 UdeM00000044015 XP_011444407.2 84 162
16 2 1 160 32 185 1.90E-56 226.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000044014 29159 313.9 UdeM00000044014 XP_011444404.2 85 207
20 1 1 207 1 196 1.50E-82 313.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000044016 50429 108.2 UdeM00000044016 XP_022785721.1 55.3 94
42 0 1 94 64 157 1.80E-20 108.2 50429 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Scleractinia; Astrocoeniina; Pocilloporidae; Stylophora; Stylophora
pistillata
UdeM00000044017 6565 120.9 UdeM00000044017 XP_022302097.1 49.2 130
63 2 776 905 550 676 8.30E-24 120.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044018 6565 120.9 UdeM00000044018 XP_022302097.1 49.2 130
63 2 755 884 550 676 8.10E-24 120.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044019 6596 1122.8 UdeM00000044019 XP_045166422.1 44.3
1451 740 22 15 1432 599 2014 0.00E+00 1122.8 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000044020 6565 191.4 UdeM00000044020 XP_022297635.1 43.6 218
122 1 12 228 14 231 2.00E-45 191.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044021 6596 398.3 UdeM00000044021 XP_045164539.1 49.8 818
336 12 67 857 52 821 2.70E-107 398.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044022 6596 243 UdeM00000044022 XP_045166747.1 56.4 202
 88 0 1 202 1 202 3.20E-61 243 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044023 6596 206.5 UdeM00000044023 XP_045166747.1 62 158
 60 0 30 187 46 203 3.10E-50 206.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044024 6596 342.8 UdeM00000044024 XP_045160273.1 39 459
 248 5 2 430 18 474 6.30E-91 342.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044026 6573 1013.8 UdeM00000044026 XP_021373866.1 63.7
 788 274 4 1 777 62 848 1.10E-292 1013.8 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044027 6573 1006.5 UdeM00000044027 XP_021373866.1 62.9
 798 274 5 1 787 62 848 1.80E-290 1006.5 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044029 6596 285.4 UdeM00000044029 XP_045160031.1 57.1 303
 92 8 1 295 1 273 8.10E-74 285.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044030 6596 834.3 UdeM00000044030 XP_045160595.1 68 596
 176 6 4 587 5 597 9.40E-239 834.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044031 6565 65.5 UdeM00000044031 XP_022314709.1 26.6 173
 117 2 47 219 51 213 9.90E-08 65.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044032 6596 201.8 UdeM00000044032 XP_045159603.1 28.6 626
 372 16 1 576 1 601 2.30E-48 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044033 6573 225.3 UdeM00000044033 XP_021378968.1 26.3 727
447 29 40 727 28 704 2.60E-55 225.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000044034 6596 310.8 UdeM00000044034 XP_045159316.1 64.3 227
80 1 53 279 28 253 1.70E-81 310.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044035 29159 62.4 UdeM00000044035 XP_034323708.1 27.9 129
91 2 98 225 35 162 8.80E-07 62.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000044036 6579 302 UdeM00000044036 XP_033737545.1 47.2 396
184 10 1 384 1 383 1.10E-78 302 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000044037 6596 1493.8 UdeM00000044037 XP_045158247.1 67.3
1125 358 5 1 1122 18 1135 0.00E+00 1493.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044038 1735272 109.4 UdeM00000044038 XP_041359145.1 66.7
102 28 2 14 115 1128 1223 6.00E-21 109.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000044039 6596 1021.5 UdeM00000044039 XP_045158245.1 74.1
667 172 1 1 667 60 725 4.70E-295 1021.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044040 6596 307 UdeM00000044040 XP_045159887.1 46.6 949
452 17 2 907 3 939 8.10E-80 307 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044041 6573 584.3 UdeM00000044041 XP_021377246.1 51.9 672
299 9 227 890 15 670 2.60E-163 584.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000044042 6579 96.7 UdeM00000044042 XP_033754238.1 41.6 125
 44 3 1 97 1 124 1.90E-17 96.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044044 1735272 428.3 UdeM00000044044 XP_041363028.1 67.3
 303 99 0 4 306 3 305 8.10E-117 428.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000044045 2652724 307 UdeM00000044045 XP_028513366.1 69.3
 218 67 0 136 353 73 290 3.20E-80 307 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000044046 2652724 293.9 UdeM00000044046 XP_028513366.1 68.5
 213 67 0 1 213 78 290 1.80E-76 293.9 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000044047 6596 420.6 UdeM00000044047 XP_045159726.1 67 315
 91 3 1 302 1 315 2.40E-114 420.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044048 7574 152.1 UdeM00000044048 XP_013388573.1 35.6 278
 159 8 38 313 301 560 1.20E-33 152.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000044049 6596 1117.4 UdeM00000044049 XP_045159736.1 71.5
 793 224 1 207 999 3 793 0.00E+00 1117.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044050 6596 1117.4 UdeM00000044050 XP_045159736.1 71.4
 798 220 3 207 1003 3 793 0.00E+00 1117.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044052 6596 307.4 UdeM00000044052 XP_045158722.1 57.8 256
 97 5 6 256 22 271 1.90E-80 307.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044053 225164 176.8 UdeM00000044053 XP_009062311.1 51.7
 145 67 1 3 144 2 146 2.00E-41 176.8 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000001179 6596 197.2 UdeM00000001179 XP_045197699.1 43.7 222
125 0 98 319 38 259 3.20E-47 197.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001180 37653 89.4 UdeM00000001180 XP_014783301.1 47.4 78
41 0 30 107 45 122 3.70E-14 89.4 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000001181 6596 489.6 UdeM00000001181 XP_045171625.1 38.7 677
388 17 249 903 280 951 8.70E-135 489.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001182 6596 508.4 UdeM00000001182 XP_045171625.1 39.5 707
395 19 195 874 251 951 1.80E-140 508.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001183 6596 386.3 UdeM00000001183 XP_045183782.1 55.2 335
139 4 84 412 53 382 4.80E-104 386.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001188 400727 196.4 UdeM00000001188 XP_025084182.1 65.9
132 45 0 4 135 3 134 2.70E-47 196.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000001189 225164 129 UdeM00000001189 XP_009056591.1 52.6
95 44 1 34 128 25 118 5.60E-27 129 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000001190 7574 224.2 UdeM00000001190 XP_013385009.1 70.3 145
43 0 1 145 7 151 1.20E-55 224.2 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000001192 7574 268.1 UdeM00000001192 XP_013417597.1 55.2 250
110 2 2 250 22 270 2.00E-68 268.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000001193 7574 268.1 UdeM00000001193 XP_013417597.1 55.2 250
110 2 2 250 22 270 2.00E-68 268.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000001191 6596 912.9 UdeM00000001191 XP_045184887.1 47.4 1490
610 31 57 1391 1 1471 4.90E-262 912.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001194 6596 802.4 UdeM00000001194 XP_045184887.1 51.5 1027
421 26 137 1114 473 1471 7.50E-229 802.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001196 1735272 68.9 UdeM00000001196 XP_041362472.1 41.4
87 50 1 1 86 185 271 4.60E-09 68.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000001197 6596 106.3 UdeM00000001197 XP_045170709.1 65.3 75
26 0 101 175 363 437 4.20E-20 106.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001199 29159 162.2 UdeM00000001199 XP_019926412.2 42.6 204
108 5 1 202 275 471 7.20E-37 162.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001200 45264 458 UdeM00000001200 XP_044179186.1 48.8 488
236 7 16 499 3 480 1.60E-125 458 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000001201 481459 256.5 UdeM00000001201 XP_040031014.1 35.6
376 226 4 197 567 89 453 7.80E-65 256.5 481459
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioidei;Gasterosteales;Gasterosteidae;Gasterosteus;Gasterosteus aculeatus;Gasterosteus aculeatus aculeatus

UdeM00000001204 6573 234.6 UdeM00000001204 XP_021351637.1 58.9 185
76 0 1 185 1 185 1.30E-58 234.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000001205 6579 105.9 UdeM00000001205 XP_033756770.1 70.7 75
21 1 1 75 267 340 2.30E-20 105.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001206 6596 459.9 UdeM00000001206 XP_045184005.1 67.4 322
105 0 19 340 73 394 2.80E-126 459.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001207 6596 257.7 UdeM00000001207 XP_045176242.1 57.9 209
85 3 105 313 75 280 1.90E-65 257.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001208 6596 258.8 UdeM00000001208 XP_045176242.1 58.4 209
84 3 102 310 75 280 8.60E-66 258.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001209 6596 218 UdeM00000001209 XP_045176242.1 60.2 166
64 2 57 222 75 238 1.20E-53 218 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001210 6596 253.1 UdeM00000001210 XP_045176242.1 57.4 209
86 3 102 310 75 280 4.70E-64 253.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001211 6526 171 UdeM00000001211 XP_013073210.1 36.7 256
159 3 57 312 105 357 2.40E-39 171 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeidae; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000001212 6565 132.9 UdeM00000001212 XP_022305415.1 82.2 501
88 1 1 501 1 500 1.10E-27 132.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000001214 2607531 73.9 UdeM00000001214 XP_029653429.1 70.7
58 16 1 3 60 28 84 3.50E-10 73.9 2607531
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus sinensis

UdeM00000001215 6596 154.1 UdeM00000001215 XP_045160376.1 52 152
 50 3 1 129 28 179 1.30E-34 154.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001216 6573 101.7 UdeM00000001216 XP_021372908.1 54.4 90
 41 0 1 90 259 348 5.50E-19 101.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001217 6596 179.5 UdeM00000001217 XP_045179120.1 68.1 116
 36 1 48 163 1 115 3.50E-42 179.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001218 6596 314.3 UdeM00000001218 XP_045201099.1 57.1 261
 79 1 275 502 1 261 2.90E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001219 8355 62.4 UdeM00000001219 XP_041441910.1 24 246
 174 7 1 240 273 511 9.10E-07 62.4 8355 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoide
 a;Pipidae;Xenopodinae;Xenopus;Xenopus;Xenopus laevis
 UdeM00000001220 27687 103.6 UdeM00000001220 XP_028656852.1 39.4 137
 79 4 4 137 316 451 2.20E-19 103.6 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000001221 6596 80.9 UdeM00000001221 XP_045192251.1 51.6 91
 41 2 88 175 328 418 1.80E-12 80.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001222 6596 80.9 UdeM00000001222 XP_045192251.1 51.6 91
 41 2 274 361 328 418 3.70E-12 80.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001225 1735272 436.8 UdeM00000001225 XP_041346684.1 33.1
 825 503 20 108 895 25 837 8.00E-119 436.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000001227 45264 105.5 UdeM00000001227 XP_044167875.1 34.4 192
 116 2 1 192 433 614 2.40E-19 105.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000001228 45264 105.5 UdeM00000001228 XP_044167875.1 34.4 192
 116 2 1 192 433 614 2.40E-19 105.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000001229 6565 169.5 UdeM00000001229 XP_022308825.1 52.3 151
 70 2 1 150 1 150 3.30E-39 169.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001230 6579 92 UdeM00000001230 XP_033729790.1 47.9 94
 49 0 10 103 17 110 5.00E-16 92 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001231 6596 107.5 UdeM00000001231 XP_045215344.1 31.7 202
 129 3 77 276 560 754 2.90E-20 107.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001232 181472 98.2 UdeM00000001232 XP_029968728.1 29.1
 234 153 6 73 301 99 324 2.00E-17 98.2 181472
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Blennioidei;Blenniidae;Salariinae;Salaris;Salaris fasciatus
 UdeM00000001233 6596 107.8 UdeM00000001233 XP_045215344.1 32.2 202
 128 3 79 278 560 754 2.30E-20 107.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001236 286706 69.3 UdeM00000001236 XP_014290745.1 33.1
 121 73 6 104 217 139 258 7.20E-09 69.3 286706
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Prosorrhyncha;He
 teroptera;Euheteroptera;Neoheteroptera;Panheteroptera;Pentatomomorpha;Pen
 tatomoidea;Pentatomidae;Pentatominae;Halyomorpha;Halyomorpha halys
 UdeM00000001237 286706 69.3 UdeM00000001237 XP_014290745.1 33.1
 121 73 6 95 208 139 258 6.90E-09 69.3 286706
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Prosorrhyncha;Heteroptera;Euheteroptera;Neoheteroptera;Panheteroptera;Pentatomomorpha;Pentatomoidea;Pentatomidae;Pentatominae;Halyomorpha;Halyomorpha halys

UdeM00000001240 1234273 66.2 UdeM00000001240 XP_026994462.1 27.5
167 111 4 41 207 7 163 5.70E-08 66.2 1234273
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluridae;Bagridae;Tachysurus;Tachysurus fulvidraco

UdeM00000001241 6596 84 UdeM00000001241 XP_045183821.1 42.3 97
50 3 93 183 144 240 2.80E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001242 29159 235 UdeM00000001242 XP_034321382.1 31 484
193 10 113 536 16 418 3.00E-58 235 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001243 6596 359 UdeM00000001243 XP_045187557.1 31 780
339 23 52 732 3 682 1.40E-95 359 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001244 6565 105.5 UdeM00000001244 XP_022310008.1 54.2 96
40 3 3 96 5 98 4.10E-20 105.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001247 6596 632.5 UdeM00000001247 XP_045184739.1 40.5 991
549 21 1 972 168 1136 1.20E-177 632.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001249 6596 446 UdeM00000001249 XP_045184940.1 57.7 471
165 9 3 462 235 682 5.90E-122 446 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001248 6596 529.6 UdeM00000001248 XP_045184940.1 48.4 734
299 19 3 712 5 682 6.10E-147 529.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001250 6573 258.5 UdeM00000001250 XP_021376968.1 52.6 228
106 1 334 561 397 622 3.70E-65 258.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000001251 6573 289.3 UdeM00000001251 XP_021376968.1 52.5 261
118 2 302 562 368 622 3.70E-74 289.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000001252 6596 109 UdeM00000001252 XP_045164125.1 52.5 99
47 0 1 99 320 418 4.30E-21 109 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000001253 6565 125.9 UdeM00000001253 XP_022327962.1 53.4 116
52 1 2 115 603 718 3.20E-26 125.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000001254 6579 735.7 UdeM00000001254 XP_033724973.1 46.3 799
405 12 3 788 2 789 6.10E-209 735.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000001255 6596 3602.4 UdeM00000001255 XP_045183974.1 74.6
2608 621 6 1 2598 1 2577 0.00E+00 3602.4 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM000000026897 6596 157.1 UdeM000000026897 XP_045213761.1 39.1 274
138 10 1 263 31 286 3.90E-35 157.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM000000026899 6526 478.8 UdeM000000026899 XP_013062640.1 74.5 330
82 1 1 330 1 328 5.80E-132 478.8 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeidae; Planorbidae; Biomphalaria; Biomphalaria glabrata
UdeM000000026900 6596 137.9 UdeM000000026900 XP_045214019.1 33.6 384
176 13 137 452 154 526 3.20E-29 137.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM000000026901 6596 131 UdeM000000026901 XP_045214019.1 32.3 541
261 16 1 453 3 526 4.00E-27 131 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026902 6579 410.6 UdeM00000026902 XP_033751404.1 73.8 275
 72 0 1 275 1 275 1.70E-111 410.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026903 6596 156.4 UdeM00000026903 XP_045194930.1 44.7 206
 102 4 1 206 111 304 4.40E-35 156.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026904 6596 448.7 UdeM00000026904 XP_045212676.1 58.2 428
 158 4 10 428 12 427 8.40E-123 448.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026905 6596 401.4 UdeM00000026905 XP_045214945.1 59.4 340
 102 3 1 305 38 376 1.10E-108 401.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026906 6573 578.9 UdeM00000026906 XP_021341299.1 79 357
 74 1 29 385 5 360 4.60E-162 578.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026907 6573 578.9 UdeM00000026907 XP_021341299.1 79 357
 74 1 4 360 5 360 4.30E-162 578.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026908 6596 191.8 UdeM00000026908 XP_045214943.1 27.2 558
 355 15 414 961 492 1008 4.00E-45 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026909 6573 470.7 UdeM00000026909 XP_021341289.1 86.7 263
 34 1 11 272 15 277 1.30E-129 470.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026910 29159 267.3 UdeM00000026910 XP_034311585.1 40 380
 217 2 20 389 27 405 3.20E-68 267.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026911 400727 335.5 UdeM00000026911 XP_025110164.1 24.1
 1844 934 53 151 1608 327 2090 3.70E-88 335.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000026912 6579 528.1 UdeM00000026912 XP_033738046.1 53.5 492
 219 5 3 492 2 485 1.20E-146 528.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026913 6579 856.7 UdeM00000026913 XP_033741603.1 81.7 497
 91 0 46 542 41 537 1.60E-245 856.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026915 6573 239.2 UdeM00000026915 XP_021354704.1 58.9 202
 76 2 1 202 1 195 4.70E-60 239.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026914 6573 749.6 UdeM00000026914 XP_021354704.1 68 543
 166 3 1 542 1 536 2.80E-213 749.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026916 6596 365.2 UdeM00000026916 XP_045213988.1 67.3 441
 120 6 1 422 1 436 1.20E-97 365.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026917 29159 544.3 UdeM00000026917 XP_011436637.2 60.5 400
 152 1 7 400 7 406 1.40E-151 544.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026918 6579 470.3 UdeM00000026918 XP_033733827.1 64 325
 117 0 5 329 3 327 2.00E-129 470.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026919 6596 90.5 UdeM00000026919 XP_045211864.1 36.5 115
 73 0 32 146 33 147 2.50E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026920 225164 394 UdeM00000026920 XP_009062090.1 40.6
 569 318 9 55 619 31 583 3.90E-106 394 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000026921 6596 154.5 UdeM00000026921 XP_045212087.1 45.6 171
 65 4 23 166 23 192 1.20E-34 154.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026922 43179 160.2 UdeM00000026922 XP_040138649.1 59 117
 48 0 475 591 30 146 7.90E-36 160.2 43179 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Sciuromorpha;Sciuridae;Xerinae;Marmotini;Ictidomys;Ictidomys tridecemlineatus
 UdeM00000026923 6596 441 UdeM00000026923 XP_045210653.1 56.3 375
 145 5 1 359 1 372 1.40E-120 441 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026924 6596 442.2 UdeM00000026924 XP_045210653.1 56.7 379
 133 6 1 355 1 372 6.30E-121 442.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026925 6579 1036.2 UdeM00000026925 XP_033753061.1 76.3
 642 148 1 1 642 1 638 1.80E-299 1036.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026926 6565 765.4 UdeM00000026926 XP_022313454.1 85 453
 68 0 1 453 1 453 4.10E-218 765.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026927 6596 320.1 UdeM00000026927 XP_045212568.1 31.3 715
 413 18 103 740 169 882 7.80E-84 320.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026928 6596 379.8 UdeM00000026928 XP_045212571.1 32.7 700
 402 6 4 640 175 868 7.50E-102 379.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026929 2607531 545.8 UdeM00000026929 XP_029634113.1 71.9
 381 93 4 27 407 2 368 4.70E-152 545.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000026931 6565 108.2 UdeM00000026931 XP_022315090.1 48 100
 52 0 11 110 214 313 1.10E-20 108.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026932 6579 98.6 UdeM00000026932 XP_033748186.1 52.5 80
38 0 1 80 240 319 7.00E-18 98.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026933 6596 359.8 UdeM00000026933 XP_045210936.1 49.9 419
189 8 32 441 25 431 5.10E-96 359.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026934 6596 219.2 UdeM00000026934 XP_045157373.1 30.6 422
279 10 1740 2152 1 417 6.80E-53 219.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026936 6596 260.8 UdeM00000026936 XP_045211590.1 68.4 187
58 1 1 186 303 489 1.40E-66 260.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026935 6596 647.5 UdeM00000026935 XP_045211590.1 66.2 473
157 3 18 488 18 489 1.30E-182 647.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026938 6573 481.9 UdeM00000026938 XP_021380149.1 62.4 386
136 2 2 387 116 492 7.80E-133 481.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026937 6573 592.4 UdeM00000026937 XP_021380149.1 62.6 468
166 2 36 503 34 492 5.30E-166 592.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026939 6565 132.5 UdeM00000026939 XP_022310266.1 48.6 148
71 1 146 293 184 326 9.00E-28 132.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026940 225164 87.4 UdeM00000026940 XP_009058199.1 51.2
86 35 2 1 86 31 109 9.70E-15 87.4 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
Lottiidae;Lottia;Lottia gigantea
UdeM00000026941 6573 186.4 UdeM00000026941 XP_021367843.1 34 347
83 4 5 215 327 663 3.80E-44 186.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026942 37003 164.5 UdeM00000026942 XP_017289200.1 49.7 143
 72 0 34 176 241 383 1.30E-37 164.5 37003 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Rivulidae;Kryptolebias;Kryptolebias
 marmoratus
 UdeM00000026943 225164 110.2 UdeM00000026943 XP_009057737.1 31.2
 215 138 4 2 208 39 251 3.30E-21 110.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000026944 6596 373.2 UdeM00000026944 XP_045214268.1 55.5 373
 161 2 2 374 3 370 3.80E-100 373.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018187 29159 301.6 UdeM00000018187 XP_034334009.1 83.1 172
 29 0 1 172 1 172 6.40E-79 301.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018189 6579 360.9 UdeM00000018189 XP_033741366.1 58.6 365
 145 4 9 372 36 395 1.90E-96 360.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018191 6579 769.6 UdeM00000018191 XP_033741352.1 35.1 1372
 767 27 584 1931 753 2024 9.30E-219 769.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018192 6596 288.5 UdeM00000018192 XP_045198734.1 53.4 266
 116 5 9 268 5 268 9.90E-75 288.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018193 6596 245.7 UdeM00000018193 XP_045198734.1 59.3 194
 76 3 1 193 77 268 5.60E-62 245.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018194 6596 619.8 UdeM00000018194 XP_045198734.1 55.8 604
 256 4 12 605 269 871 3.70E-174 619.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018196 6596 532.3 UdeM00000018196 XP_045197905.1 71 372
101 1 42 406 38 409 5.40E-148 532.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018197 6565 179.5 UdeM00000018197 XP_022293810.1 58.9 146
59 1 1 145 1 146 3.70E-42 179.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018198 1735272 519.2 UdeM00000018198 XP_041350633.1 58.3
408 169 1 2 408 5 412 4.70E-144 519.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018199 6596 115.9 UdeM00000018199 XP_045206739.1 31.5 317
190 11 4 300 7 316 2.00E-22 115.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018200 29159 67.8 UdeM00000018200 XP_034330911.1 39.6 101
57 2 1 100 162 259 1.10E-08 67.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018201 6565 115.9 UdeM00000018201 XP_022290343.1 34.4 192
108 2 1 192 126 299 5.70E-23 115.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018202 29159 211.5 UdeM00000018202 XP_034299474.1 43.9 262
139 4 3 260 239 496 1.70E-51 211.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018203 6579 2302.7 UdeM00000018203 XP_033739910.1 70.9
1651 421 12 1 1642 1 1601 0.00E+00 2302.7 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018204 6573 347.4 UdeM00000018204 XP_021362846.1 40.1 479
267 8 1 474 1 464 2.90E-92 347.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018205 6565 332 UdeM00000018205 XP_022293850.1 89.6 173
18 0 1 173 1590 1762 4.50E-88 332 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018206 29159 254.6 UdeM00000018206 XP_034332027.1 41.7 338
187 6 15 350 11 340 1.90E-64 254.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018207 225164 307.8 UdeM00000018207 XP_009055956.1 74.7
194 49 0 2 195 1783 1976 1.00E-80 307.8 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000018208 6565 289.3 UdeM00000018208 XP_022293850.1 68.3 199
63 0 1 199 1995 2193 3.80E-75 289.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000018209 6596 328.2 UdeM00000018209 XP_045196661.1 46.1 371
181 10 87 451 87 444 1.80E-86 328.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018210 2607531 71.2 UdeM00000018210 XP_029634650.1 29.9
234 123 10 30 251 140 344 2.10E-09 71.2 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000018211 6596 421 UdeM00000018211 XP_045196659.1 59.6 366
141 4 1 365 1 360 1.50E-114 421 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018212 6573 305.1 UdeM00000018212 XP_021352585.1 73.6 235
58 2 1 234 7 238 7.90E-80 305.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018217 6573 167.2 UdeM00000018217 XP_021360757.1 60.9 151
56 3 444 591 601 751 7.10E-38 167.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018216 400727 457.6 UdeM00000018216 XP_025099108.1 57.1
431 175 5 445 865 639 1069 3.60E-125 457.6 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000018218 6596 321.6 UdeM00000018218 XP_045196653.1 69.6 227
 67 2 11 236 777 1002 8.70E-85 321.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018219 6596 727.6 UdeM00000018219 XP_045198721.1 45.5 1036
 480 29 97 1086 926 1922 2.30E-206 727.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018219 6596 101.3 UdeM00000018219 XP_045198721.1 73.8 65
 17 0 7 71 289 353 8.00E-18 101.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018220 6596 143.7 UdeM00000018220 XP_045198721.1 48.7 154
 72 3 5 154 4 154 2.40E-31 143.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018221 6596 372.1 UdeM00000018221 XP_045196434.1 42.2 453
 254 3 5 449 4 456 1.00E-99 372.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018222 6596 376.3 UdeM00000018222 XP_045196434.1 43.5 453
 251 4 1 449 22 473 5.30E-101 376.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018223 6596 424.5 UdeM00000018223 XP_045197322.1 56.1 526
 138 14 1 460 1 499 1.80E-115 424.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018224 6579 747.3 UdeM00000018224 XP_033739400.1 71.4 525
 145 4 1 523 1 522 1.30E-212 747.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044066 29159 287 UdeM00000044066 XP_034304693.1 73.6 507
 101 2 3 508 4 478 5.50E-74 287 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044067 6596 807.7 UdeM00000044067 XP_045176982.1 81.2 463
 87 0 4 466 7 469 7.50E-231 807.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044068 6596 243.8 UdeM00000044068 XP_045174249.1 42.6 324
178 5 5 322 507 828 3.00E-61 243.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044069 7906 95.9 UdeM00000044069 XP_033883484.2 41.3 143
74 4 119 258 10 145 8.90E-17 95.9 7906 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipenseridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000044070 400727 215.7 UdeM00000044070 XP_025109625.1 46.7
261 131 6 15 270 358 615 7.40E-53 215.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000044071 6596 183.7 UdeM00000044071 XP_045175513.1 35.5 352
196 11 39 367 14 357 4.40E-43 183.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044072 7906 107.8 UdeM00000044072 XP_033861300.1 38 184
107 2 13 192 8 188 1.60E-20 107.8 7906 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipenseridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000044074 400727 207.2 UdeM00000044074 XP_025109625.1 48.2
253 120 6 4 251 370 616 2.40E-50 207.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000044073 6596 363.6 UdeM00000044073 XP_045175517.1 37 643
324 17 1 581 1 624 4.60E-97 363.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043448 6596 312.8 UdeM00000043448 XP_045195108.1 54.1 331
133 8 177 506 782 1094 8.20E-82 312.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043449 6596 229.2 UdeM00000043449 XP_045195108.1 40.7 351
167 6 81 424 13 329 1.00E-56 229.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043467 6596 188 UdeM00000043467 XP_045208337.1 49.5 192
97 0 1 192 110 301 1.20E-44 188 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043468 6596 281.6 UdeM00000043468 XP_045208337.1 44.6 334
176 3 1 325 329 662 1.30E-72 281.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022989 6579 352.8 UdeM00000022989 XP_033741736.1 54.3 317
143 1 1 315 541 857 4.70E-94 352.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022990 6579 207.6 UdeM00000022990 XP_033741736.1 49.8 211
104 1 1 209 647 857 1.60E-50 207.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022991 6579 313.9 UdeM00000022991 XP_033743748.1 54.4 340
123 8 109 442 166 479 3.20E-82 313.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022992 6573 267.3 UdeM00000022992 XP_021339108.1 66.8 202
60 3 31 231 289 484 1.80E-68 267.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022994 1735272 552.4 UdeM00000022994 XP_041358505.1 69.5
384 113 3 85 465 76 458 6.30E-154 552.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022995 6596 737.3 UdeM00000022995 XP_045205218.1 41.9 984
427 11 1 852 1 971 2.30E-209 737.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022997 1735272 71.2 UdeM00000022997 XP_041358972.1 34.4
96 63 0 1 96 1 96 7.90E-10 71.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022998 6596 565.5 UdeM00000022998 XP_045205217.1 42.6 730
 379 5 41 737 58 780 1.00E-157 565.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022999 6596 532.3 UdeM00000022999 XP_045205217.1 38.5 807
 379 6 41 814 58 780 1.10E-147 532.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023000 6596 166 UdeM00000023000 XP_045204557.1 33.9 298
 184 9 12 304 307 596 1.10E-37 166 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023002 6596 165.6 UdeM00000023002 XP_045206695.1 35.9 273
 164 6 36 300 13 282 1.50E-37 165.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023003 6596 96.3 UdeM00000023003 XP_045206695.1 33.2 190
 114 4 87 269 99 282 1.10E-16 96.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023004 6596 223.8 UdeM00000023004 XP_045204557.1 39 295
 172 4 15 306 309 598 4.10E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023005 6596 184.5 UdeM00000023005 XP_045204557.1 37.4 265
 156 5 1 261 345 603 2.40E-43 184.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023006 6596 184.5 UdeM00000023006 XP_045204557.1 37.4 265
 156 5 1 261 345 603 2.50E-43 184.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023007 6596 166 UdeM00000023007 XP_045204557.1 33.3 315
 164 8 3 281 299 603 1.80E-37 166 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023008 6596 246.5 UdeM00000023008 XP_045204557.1 29.7 602
 323 18 3 514 5 596 9.00E-62 246.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023009 6596 240.4 UdeM00000023009 XP_045204557.1 29.2 602
 320 17 3 508 5 596 6.40E-60 240.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023010 6596 139.8 UdeM00000023010 XP_045204383.1 34.7 259
 153 7 1 249 58 310 7.70E-30 139.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023011 6596 139.8 UdeM00000023011 XP_045204383.1 34.7 259
 153 7 1 249 58 310 7.00E-30 139.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023012 6596 223.8 UdeM00000023012 XP_045204557.1 39 295
 172 4 15 306 309 598 3.90E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023014 6573 176.8 UdeM00000023014 XP_021351250.1 38.2 238
 139 4 28 261 717 950 3.70E-41 176.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023015 6596 181 UdeM00000023015 XP_045204557.1 35.6 315
 181 8 3 305 299 603 6.60E-42 181 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023016 6596 275 UdeM00000023016 XP_045204557.1 31.7 603
 343 18 3 547 5 596 2.50E-70 275 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023017 6596 139.8 UdeM00000023017 XP_045204383.1 34.7 259
 153 7 1 249 58 310 7.00E-30 139.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023018 6596 223.8 UdeM00000023018 XP_045204557.1 39 295
 172 4 15 306 309 598 3.90E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023020 6573 162.2 UdeM00000023020 XP_021351250.1 39.5 210
 121 3 1 208 745 950 7.60E-37 162.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023021 6596 146.4 UdeM00000023021 XP_045204557.1 32.4 315
 185 9 3 299 299 603 1.50E-31 146.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023022 6596 243.4 UdeM00000023022 XP_045204557.1 30 603
 325 17 3 519 5 596 7.70E-61 243.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023023 6596 155.2 UdeM00000023023 XP_045204557.1 33.7 282
 178 6 30 305 319 597 1.80E-34 155.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023024 6596 129 UdeM00000023024 XP_045204557.1 46.1 141
 70 2 9 147 462 598 1.10E-26 129 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023025 6596 132.1 UdeM00000023025 XP_045204557.1 38.1 194
 110 5 35 224 398 585 1.40E-27 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023026 6596 196.8 UdeM00000023026 XP_045204557.1 36.2 315
 188 7 3 314 299 603 1.20E-46 196.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023027 6565 954.5 UdeM00000023027 XP_022322377.1 27.5 2881
 1694 89 1 2582 891 3676 2.80E-274 954.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023028 29159 463.4 UdeM00000023028 XP_034301243.1 32 1087
 650 37 3 1045 45 1086 8.40E-127 463.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023029 6565 1870.9 UdeM00000023029 XP_022322378.1 30.3
4759 2853 175 1880 6399 19 4553 0.00E+00 1870.9 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023031 6596 201.1 UdeM00000023031 XP_045206200.1 39 310
169 9 16 320 12 306 4.30E-48 201.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023033 6596 104.8 UdeM00000023033 XP_045206203.1 32.5 197
120 4 125 308 1284 1480 2.20E-19 104.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023032 6596 158.3 UdeM00000023032 XP_045206203.1 28.4 538
311 20 618 1126 988 1480 5.80E-35 158.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023034 6596 204.5 UdeM00000023034 XP_045206203.1 27.9 867
419 32 315 1032 706 1515 6.40E-49 204.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023035 6596 120.6 UdeM00000023035 XP_045206203.1 41.4 145
82 3 72 216 46 187 2.50E-24 120.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023036 6596 224.2 UdeM00000023036 XP_045206203.1 29.1 842
417 28 239 943 720 1518 7.10E-55 224.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023037 6596 187.6 UdeM00000023037 XP_045206203.1 43.3 208
115 3 65 272 46 250 2.50E-44 187.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023038 6596 119 UdeM00000023038 XP_045206203.1 40.7 145
83 3 65 209 46 187 7.20E-24 119 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023039 6596 194.5 UdeM00000023039 XP_045204387.1 30.6 559
317 14 579 1094 474 1004 7.30E-46 194.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023040 6596 144.4 UdeM00000023040 XP_045204388.1 35.7 280
160 8 24 287 22 297 5.30E-31 144.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023042 6565 145.2 UdeM00000023042 XP_022334994.1 33.2 325
179 10 1 291 1 321 1.30E-31 145.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023043 6565 481.9 UdeM00000023043 XP_022334993.1 59.8 398
156 3 9 403 461 857 8.10E-133 481.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023044 6565 458 UdeM00000023044 XP_022334993.1 59.8 378
148 3 1 375 481 857 1.20E-125 458 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023046 6596 100.5 UdeM00000023046 XP_045204388.1 32.1 234
143 6 24 242 22 254 3.20E-18 100.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023049 6596 151.8 UdeM00000023049 XP_045216906.1 66.3 101
33 1 33 133 282 381 8.00E-34 151.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023051 29159 288.9 UdeM00000023051 XP_034315642.1 48.7 306
152 2 1 306 371 671 8.00E-75 288.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023053 6596 85.9 UdeM00000023053 XP_045204388.1 36.5 170
95 5 24 184 22 187 7.80E-14 85.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023055 6579 153.3 UdeM00000023055 XP_033730552.1 64.4 101
 36 0 40 140 84 184 2.30E-34 153.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023056 6573 67.8 UdeM00000023056 XP_021359061.1 25.3 328
 161 13 2 327 158 403 3.00E-08 67.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023057 6596 622.9 UdeM00000023057 XP_045204491.1 44.6 682
 347 5 10 686 8 663 5.10E-175 622.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023058 1735272 862.1 UdeM00000023058 XP_041359735.1 67.4
 607 198 0 19 625 54 660 4.50E-247 862.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023059 6500 365.5 UdeM00000023059 XP_005091177.1 68.8 256
 80 0 1 256 415 670 5.40E-98 365.5 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioida;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000023060 6579 158.7 UdeM00000023060 XP_033743128.1 28.3 396
 230 5 15 357 29 423 1.40E-35 158.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023061 6596 134.4 UdeM00000023061 XP_045180519.1 26.2 355
 248 4 13 353 39 393 2.90E-28 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023062 6573 187.6 UdeM00000023062 XP_021374354.1 43 193
 105 1 13 200 20 212 1.60E-44 187.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023064 1735272 92 UdeM00000023064 XP_041347065.1 43.9
 114 63 1 19 131 75 188 7.00E-16 92 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023065 6087 106.3 UdeM00000023065 XP_012553882.1 24.4 336
 135 4 13 229 8 343 5.50E-20 106.3 6087 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
 oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000023066 1735272 93.2 UdeM00000023066 XP_041347065.1 44.7
 114 62 1 19 131 75 188 3.10E-16 93.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023067 6573 104.4 UdeM00000023067 XP_021375729.1 44.4 99
 55 0 13 111 13 111 1.90E-19 104.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023068 6573 104.4 UdeM00000023068 XP_021375729.1 44.4 99
 55 0 13 111 13 111 1.90E-19 104.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023069 6573 104.4 UdeM00000023069 XP_021375729.1 44.4 99
 55 0 13 111 13 111 1.90E-19 104.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023070 1735272 59.7 UdeM00000023070 XP_041378840.1 37.3
 83 51 1 2 84 71 152 2.40E-06 59.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023071 1735272 79.7 UdeM00000023071 XP_041378840.1 50
 72 36 0 2 73 263 334 1.70E-12 79.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023072 1735272 73.9 UdeM00000023072 XP_041378840.1 56.1
 57 25 0 2 58 263 319 8.40E-11 73.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023073 29159 140.6 UdeM00000023073 XP_011412511.2 27.7 365
 230 7 9 342 27 388 3.90E-30 140.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023074 1735272 157.9 UdeM00000023074 XP_041378840.1 41.1
 197 89 4 2 198 263 432 1.40E-35 157.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023075 1735272 93.6 UdeM00000023075 XP_041347065.1 43.5
 115 64 1 19 132 74 188 2.40E-16 93.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000023076 6579 182.2 UdeM00000023076 XP_033743128.1 29.7 404
229 4 11 364 25 423 1.20E-42 182.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000023077 6596 152.5 UdeM00000023077 XP_045165062.1 36.9 352
210 5 17 360 12 359 1.00E-33 152.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023078 29159 569.7 UdeM00000023078 NP_001292263.1 68.6 382
117 2 12 393 11 389 2.90E-159 569.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000023079 7574 99 UdeM00000023079 XP_013386219.1 71.4 70
20 0 3 72 2 71 3.80E-18 99 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000023080 6579 377.9 UdeM00000023080 XP_033742229.1 42.3 555
288 7 166 696 536 1082 3.10E-101 377.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000023081 6579 409.8 UdeM00000023081 XP_033742229.1 51.3 411
185 5 1 407 1 400 4.30E-111 409.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000023082 6565 513.1 UdeM00000023082 XP_022326012.1 81.8 297
54 0 36 332 1 297 2.80E-142 513.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000023084 6596 233.8 UdeM00000023084 XP_045205159.1 30.6 578
184 6 1 576 1 363 5.70E-58 233.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023083 6596 219.2 UdeM00000023083 XP_045205159.1 30 554
186 5 1 552 1 354 1.40E-53 219.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023085 1735272 295.8 UdeM00000023085 XP_041357276.1 62.7
228 77 4 1 225 1 223 4.90E-77 295.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023086 6565 201.4 UdeM00000023086 XP_022321239.1 42.6 235
 134 1 1 235 1 234 1.60E-48 201.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023088 6596 883.2 UdeM00000023088 XP_045204397.1 45.7 1005
 505 19 3 982 47 1035 3.10E-253 883.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023087 6596 885.2 UdeM00000023087 XP_045204397.1 45.4 1015
 510 20 19 1005 37 1035 8.30E-254 885.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023089 6596 305.4 UdeM00000023089 XP_045204397.1 39.6 412
 227 10 19 417 37 439 1.10E-79 305.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023091 6596 271.2 UdeM00000023091 XP_045188650.1 31 477
 304 7 11 464 7 481 2.60E-69 271.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023090 6596 271.9 UdeM00000023090 XP_045188650.1 31 477
 304 7 22 475 7 481 1.60E-69 271.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023092 6596 63.5 UdeM00000023092 XP_045204832.1 52.9 51
 24 0 503 553 210 260 9.50E-07 63.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023093 6596 63.5 UdeM00000023093 XP_045204832.1 52.9 51
 24 0 489 539 210 260 9.30E-07 63.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023094 6596 165.2 UdeM00000023094 XP_045165062.1 36 347
 211 2 14 349 6 352 1.50E-37 165.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023095 6596 300.8 UdeM00000023095 XP_045205601.1 39 444
252 9 10 439 9 447 2.90E-78 300.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023096 6596 2125.1 UdeM00000023096 XP_045205601.1 44.4
2619 1305 46 7 2517 427 3002 0.00E+00 2125.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023097 6596 634.8 UdeM00000023097 XP_045205602.1 48.3 662
326 9 1 653 3090 3744 1.50E-178 634.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023100 6579 232.3 UdeM00000023100 XP_033732436.1 31.7 464
283 10 44 495 17 458 1.80E-57 232.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023101 6596 1576.6 UdeM00000023101 XP_045203204.1 65.8
1279 386 11 1 1238 1 1268 0.00E+00 1576.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023103 6596 4486.8 UdeM00000023103 XP_045203204.1 67.7
3542 1008 50 1 3466 1273 4754 0.00E+00 4486.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023104 6579 848.2 UdeM00000023104 XP_033743350.1 82.8 460
76 1 4 463 4325 4781 4.90E-243 848.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023105 6596 286.6 UdeM00000023105 XP_045203881.1 62.3 228
82 3 15 242 66 289 3.10E-74 286.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023106 6596 441.4 UdeM00000023106 XP_045203879.1 96.1 231
9 0 1 231 1 231 7.50E-121 441.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023107 6596 375.6 UdeM00000023107 XP_045203879.1 97.4 195
5 0 1 195 1 195 4.80E-101 375.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023108 6526 1262.7 UdeM00000023108 XP_013091937.1 68
937 261 7 1 900 715 1649 0.00E+00 1262.7 6526
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biophalaria;Biophalaria glabrata

UdeM00000023109 6596 279.3 UdeM00000023109 XP_045203875.1 34.2 766
399 21 24 723 4 730 1.40E-71 279.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023110 6596 576.2 UdeM00000023110 XP_045203141.1 49.3 533
265 1 35 562 27 559 4.60E-161 576.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023111 37621 111.7 UdeM00000023111 XP_014679849.1 69.1 81
24 1 8 87 150 230 4.80E-22 111.7 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000023112 37621 297 UdeM00000023112 XP_014679849.1 57 230
92 3 2 224 394 623 2.10E-77 297 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000023113 37621 418.7 UdeM00000023113 XP_014679849.1 58.2 325
129 3 3 320 299 623 6.70E-114 418.7 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000023114 37621 113.2 UdeM00000023114 XP_014679849.1 35 214
40 2 1 115 17 230 2.20E-22 113.2 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000023115 6573 217.2 UdeM00000023115 XP_021378328.1 38.8 742
337 16 83 794 699 1353 7.30E-53 217.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023116 6573 214.9 UdeM00000023116 XP_021378328.1 38.7 742
 338 16 83 794 699 1353 3.70E-52 214.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023117 6579 132.9 UdeM00000023117 XP_033744256.1 74.4 90
 19 1 108 197 1293 1378 4.60E-28 132.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023118 29159 338.6 UdeM00000023118 XP_019926413.2 65.1 261
 84 3 1 261 356 609 8.40E-90 338.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023119 29159 557 UdeM00000023119 XP_034303187.1 60.7 591
 186 8 1 570 1 566 2.80E-155 557 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023120 6596 300.4 UdeM00000023120 XP_045204422.1 61.1 239
 91 2 380 618 490 726 5.10E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023121 6596 410.6 UdeM00000023121 XP_045205609.1 71.6 275
 77 1 12 285 1 275 1.60E-111 410.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023122 6596 392.9 UdeM00000023122 XP_045205605.1 37.5 597
 349 13 30 613 40 625 7.50E-106 392.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023123 6596 392.9 UdeM00000023123 XP_045205605.1 37.5 597
 349 13 21 604 40 625 7.40E-106 392.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023124 6596 1113.6 UdeM00000023124 XP_045205604.1 62.9
 946 300 12 2 913 3 931 0.00E+00 1113.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023125 6596 69.7 UdeM00000023125 XP_045205610.1 44.4 108
 53 3 95 201 193 294 4.90E-09 69.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023126 6596 127.9 UdeM00000023126 XP_045205611.1 82.6 69
12 0 1 69 13 81 5.10E-27 127.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023128 6596 1388.6 UdeM00000023128 XP_045205613.1 50
2403 978 60 3 2299 5 2290 0.00E+00 1388.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023129 6596 276.2 UdeM00000023129 XP_045203373.1 52.6 272
96 2 74 345 186 424 5.80E-71 276.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023130 6596 379 UdeM00000023130 XP_045160790.1 41.8 596
281 14 9 569 69 633 1.70E-101 379 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023131 6596 61.2 UdeM00000023131 XP_045160790.1 52.7 55
26 0 1 55 1 55 1.30E-06 61.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023133 6573 147.1 UdeM00000023133 XP_021364054.1 31.7 331
200 9 1 309 6 332 5.60E-32 147.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023134 6573 147.1 UdeM00000023134 XP_021364054.1 31.7 331
200 9 1 309 6 332 5.50E-32 147.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023135 6573 129.8 UdeM00000023135 XP_021364054.1 38.4 203
113 5 1 192 6 207 3.90E-27 129.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023136 6596 171.4 UdeM00000023136 XP_045169933.1 26.4 552
333 12 175 683 213 734 4.00E-39 171.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023137 6596 167.2 UdeM00000023137 XP_045202239.1 24.6 725
 454 22 8 687 12 688 7.60E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023138 6596 180.3 UdeM00000023138 XP_045202238.1 27.1 579
 338 20 162 695 157 696 8.70E-42 180.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023139 6596 149.1 UdeM00000023139 XP_045167997.1 29.9 335
 224 6 8 340 6 331 1.10E-32 149.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023142 6596 133.3 UdeM00000023142 XP_045201791.1 24.7 530
 340 12 3 496 89 595 8.70E-28 133.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023144 6565 59.7 UdeM00000023144 XP_022304821.1 32.4 139
 88 2 1 133 283 421 7.80E-06 59.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023146 6596 116.3 UdeM00000023146 XP_045201791.1 24.3 423
 284 9 2 395 170 585 9.20E-23 116.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023149 6565 84 UdeM00000023149 XP_022287605.1 27.5 240
 99 6 5 186 102 324 2.50E-13 84 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023150 6596 112.8 UdeM00000023150 XP_045206250.1 37.7 175
 100 5 4 176 569 736 4.40E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023151 6596 182.6 UdeM00000023151 XP_045201791.1 26.2 530
 349 10 177 677 69 585 1.70E-42 182.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023155 6573 153.3 UdeM00000023155 XP_021370310.1 31.5 349
 207 12 5 340 8 337 1.10E-33 153.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023156 6596 58.9 UdeM00000023156 XP_045201791.1 30.2 106
 68 2 2 103 170 273 8.00E-06 58.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023158 6573 69.7 UdeM00000023158 XP_021341134.1 37.9 87
 50 1 43 125 160 246 3.00E-09 69.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023159 6596 161.8 UdeM00000023159 XP_045201791.1 25.4 543
 345 14 174 679 66 585 3.20E-36 161.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023160 6596 92.4 UdeM00000023160 XP_045167997.1 35 160
 96 3 8 165 196 349 9.60E-16 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023162 6596 62.4 UdeM00000023162 XP_045184729.1 28.5 144
 86 4 61 196 565 699 7.50E-07 62.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023163 6573 96.3 UdeM00000023163 XP_021362994.1 27.3 264
 179 6 5 265 7 260 6.30E-17 96.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023165 6565 62.4 UdeM00000023165 XP_022304821.1 30.9 139
 90 2 1 133 283 421 5.30E-07 62.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023168 6579 67.8 UdeM00000023168 XP_033759652.1 38.6 70
 43 0 7 76 198 267 7.50E-09 67.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023169 1735272 145.2 UdeM00000023169 XP_041369520.1 42.9
 168 92 4 15 179 592 758 8.30E-32 145.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000023171 6565 327.8 UdeM00000023171 XP_022320668.1 39.9 521
204 13 15 444 129 631 2.20E-86 327.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000023170 6565 470.3 UdeM00000023170 XP_022320668.1 38.9 774
321 17 11 661 5 749 4.10E-129 470.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000023172 6565 128.3 UdeM00000023172 XP_022345797.1 67.9 84
27 0 1 84 1 84 5.50E-27 128.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000023173 1735272 622.1 UdeM00000023173 XP_041369520.1 54.2
553 244 4 31 576 40 590 7.70E-175 622.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000023174 13735 111.3 UdeM00000023174 XP_014435189.1 24.3 383
227 10 4 366 594 933 2.60E-21 111.3 13735 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Testudinata;Testudines;Cryptodira;Trionychia;Trionychidae;Pelodis
cus;Pelodiscus sinensis
UdeM00000023175 6579 417.5 UdeM00000023175 XP_033742246.1 52.5 398
169 5 20 405 5 394 1.90E-113 417.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000023177 29159 125.9 UdeM00000023177 XP_034322429.1 36.2 218
73 2 19 170 28 245 6.80E-26 125.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023178 6596 494.6 UdeM00000023178 XP_045205113.1 65 432
134 12 3 425 2 425 1.30E-136 494.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000023179 6596 166.4 UdeM00000023179 XP_045201791.1 25.6 535
346 12 179 679 69 585 1.30E-37 166.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000023180 29159 96.3 UdeM00000023180 XP_034317111.1 56 75
33 0 1 75 1 75 1.90E-17 96.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023181 29159 109.4 UdeM00000023181 XP_034317111.1 56.3 87
38 0 2 88 171 257 2.50E-21 109.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023182 29159 326.6 UdeM00000023182 XP_034317111.1 58.8 257
106 0 1 257 1 257 2.80E-86 326.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023183 6596 174.1 UdeM00000023183 XP_045202238.1 25 567
319 16 173 679 166 686 6.20E-40 174.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000023184 29159 515.8 UdeM00000023184 XP_019918074.2 59.9 434
165 3 1 433 1 426 5.50E-143 515.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000023185 6579 1891.7 UdeM00000023185 XP_033742511.1 81.5
1149 203 4 16 1157 22 1168 0.00E+00 1891.7 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000023186 6596 763.1 UdeM00000023186 XP_045157887.1 41.1 997
566 11 17 998 16 1006 4.60E-217 763.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000023187 6596 772.3 UdeM00000023187 XP_045157887.1 41.6 1006
561 11 23 1012 16 1010 7.60E-220 772.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000023188 6596 140.2 UdeM00000023188 XP_045167997.1 31.3 355
224 8 10 357 8 349 5.70E-30 140.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000023189 6596 1699.5 UdeM00000023189 XP_045203316.1 63.7
1293 456 8 1 1289 1 1283 0.00E+00 1699.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023190 6579 276.2 UdeM00000023190 XP_033743315.1 80.3 274
 54 0 1 274 1 274 4.60E-71 276.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023191 6579 276.2 UdeM00000023191 XP_033743315.1 80.3 274
 54 0 2 275 1 274 4.60E-71 276.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023192 6596 521.2 UdeM00000023192 XP_045204897.1 49.4 549
 266 6 26 572 30 568 1.80E-144 521.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023193 6573 149.1 UdeM00000023193 XP_021346231.1 40 295
 144 10 220 508 196 463 1.70E-32 149.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023197 6573 234.6 UdeM00000023197 XP_021346229.1 82.7 196
 32 1 3 196 5 200 1.10E-58 234.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023198 6579 73.6 UdeM00000023198 XP_033758100.1 41.2 80
 47 0 3 82 36 115 1.70E-10 73.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023199 6596 330.1 UdeM00000023199 XP_045204811.1 45.8 454
 213 5 266 695 309 753 6.80E-87 330.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023200 6596 317 UdeM00000023200 XP_045204808.1 60.2 367
 133 1 211 577 233 586 4.90E-83 317 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023201 6596 317 UdeM00000023201 XP_045204808.1 60.2 367
 133 1 210 576 233 586 4.90E-83 317 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023202 1735272 1158.7 UdeM00000023202 XP_041360029.1
 74.2 739 181 3 6 740 20 752 0.00E+00 1158.7
 1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023205 6565 248.8 UdeM00000023205 XP_022297447.1 55.3 217
79 3 2 202 75 289 7.10E-63 248.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023206 6579 71.6 UdeM00000023206 XP_033756770.1 54.9 71
31 1 18 88 264 333 5.60E-10 71.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023207 202533 327 UdeM00000023207 XP_035218899.1 37.7
467 268 9 80 524 1 466 4.30E-86 327 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000023208 6596 397.5 UdeM00000023208 XP_045205795.1 73.6 265
66 3 1 261 1 265 1.30E-107 397.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023209 37653 139.4 UdeM00000023209 XP_014782226.1 59.3 113
42 2 5 117 5 113 5.10E-30 139.4 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000023210 6596 311.2 UdeM00000023210 XP_045176330.1 46.6 328
173 2 1 327 1 327 1.60E-81 311.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023211 6596 303.5 UdeM00000023211 XP_045176330.1 46.2 331
172 3 1 328 1 328 3.30E-79 303.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023212 1735272 331.3 UdeM00000023212 XP_041359894.1 62.1
261 98 1 13 272 6 266 3.90E-87 331.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023213 9986 194.9 UdeM00000023213 XP_002716954.1 41.8 263
144 2 144 404 296 551 2.00E-46 194.9 9986 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria

;Boreoeutheria;Euarchontoglires;Glires;Lagomorpha;Leporidae;Oryctolagus;Oryctolagus cuniculus

UdeM00000023215 6596 295.8 UdeM00000023215 XP_045174627.1 19.6 1918
499 29 10 937 921 2785 2.00E-76 295.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023216 6596 295.4 UdeM00000023216 XP_045176442.1 32.6 641
329 11 11 549 309 948 1.50E-76 295.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023217 6579 216.1 UdeM00000023217 XP_033731739.1 54.2 177
80 1 1 176 202 378 3.60E-53 216.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023219 6579 1418.3 UdeM00000023219 XP_033751294.1 39.3
2048 1071 37 7 2017 1002 2914 0.00E+00 1418.3 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023220 6596 1065.4 UdeM00000023220 XP_045174627.1 32.6
2099 1042 37 31 1998 34 1891 8.50E-308 1065.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023221 7668 139 UdeM00000023221 XP_030849760.1 36 253
158 4 1 250 615 866 9.20E-30 139 7668 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus

UdeM00000023222 6596 398.3 UdeM00000023222 XP_045174619.1 32.1 950
466 22 31 828 39 961 2.40E-107 398.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023223 400727 114 UdeM00000023223 XP_025087312.1 34.1
261 141 7 12 243 38 296 2.70E-22 114 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000023224 6596 1157.1 UdeM00000023224 XP_045206698.1 59.5
1016 403 4 9 1020 238 1249 0.00E+00 1157.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023225 6596 1060.1 UdeM00000023225 XP_045206698.1 56.2
1008 395 5 1 965 246 1249 1.70E-306 1060.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023226 6596 1062 UdeM00000023226 XP_045206698.1 56.2 1008
393 5 1 963 246 1249 4.50E-307 1062 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023227 6596 1330.1 UdeM00000023227 XP_045203259.1 74.5
881 212 2 1 871 1 878 0.00E+00 1330.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023228 6596 565.5 UdeM00000023228 XP_045205659.1 76.1 356
81 2 24 377 24 377 5.30E-158 565.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023229 6596 3292.3 UdeM00000023229 XP_045206463.1 64.4
2439 775 12 114 2467 535 2964 0.00E+00 3292.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023230 6596 3241.1 UdeM00000023230 XP_045206463.1 63.6
2439 770 12 114 2442 535 2964 0.00E+00 3241.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023231 6596 3231.8 UdeM00000023231 XP_045206463.1 63.4
2439 772 13 114 2440 535 2964 0.00E+00 3231.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023232 6596 147.1 UdeM00000023232 XP_045206463.1 35 437
195 11 21 394 29 439 5.00E-32 147.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000023233 6579 398.7 UdeM00000023233 XP_033743608.1 61.2 420
 154 4 3 415 1 418 1.00E-107 398.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023234 6579 419.1 UdeM00000023234 XP_033743608.1 62.4 425
 146 5 3 420 1 418 7.30E-114 419.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023235 6596 839 UdeM00000023235 XP_045206071.1 52.7 795
 328 7 11 798 24 777 5.20E-240 839 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000023237 6596 218.8 UdeM00000023237 XP_045176440.1 29.2 497
 265 5 10 420 18 513 1.40E-53 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000023238 6596 658.7 UdeM00000023238 XP_045204849.1 73.8 473
 124 0 6 478 55 527 5.80E-186 658.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000023239 2607531 187.6 UdeM00000023239 XP_029644040.1 44.7
 237 119 5 1 227 1 235 2.80E-44 187.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000023240 6565 623.6 UdeM00000023240 XP_022325113.1 67.5 428
 139 0 27 454 173 600 1.90E-175 623.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023241 400727 215.7 UdeM00000023241 XP_025085387.1 61.7
 167 60 2 1 164 1 166 4.60E-53 215.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000023242 6573 127.5 UdeM00000023242 XP_021367057.1 57.7 111
 43 2 1 108 1 110 1.10E-26 127.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023243 6596 426.8 UdeM00000023243 XP_045205126.1 71.4 269
 77 0 1 269 1 269 2.10E-116 426.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023244 2607531 67.8 UdeM00000023244 XP_036359170.1 31.7
139 91 3 9 145 11 147 5.10E-08 67.8 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000023245 29159 99 UdeM00000023245 XP_034303918.1 50 102
51 0 51 152 16 117 6.90E-18 99 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023246 6596 1061.2 UdeM00000023246 XP_045202870.1 46.6
1193 591 18 23 1198 133 1296 9.60E-307 1061.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023247 6596 312 UdeM00000023247 XP_045205130.1 53.5 284
108 2 4 287 5 264 8.50E-82 312 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023248 6596 357.8 UdeM00000023248 XP_045205127.1 77.6 219
48 1 1 218 1 219 9.60E-96 357.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023249 6596 58.5 UdeM00000023249 XP_045203570.1 34.3 140
78 6 15 146 15 148 8.00E-06 58.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023251 6596 714.1 UdeM00000023251 XP_045203036.1 69.6 474
140 2 13 486 29 498 2.00E-202 714.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023253 6596 435.3 UdeM00000023253 XP_045206732.1 57.5 353
150 0 1 353 1 353 7.70E-119 435.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023252 6596 655.6 UdeM00000023252 XP_045206732.1 52.6 588
273 3 1 584 1 586 5.90E-185 655.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023254 6596 470.7 UdeM00000023254 XP_045206732.1 57.7 385
162 1 12 395 25 409 1.80E-129 470.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023255 6596 226.1 UdeM00000023255 XP_045206732.1 45.7 232
120 3 26 253 357 586 5.00E-56 226.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023256 6596 186.8 UdeM00000023256 XP_045206732.1 46.1 178
91 2 1 175 411 586 2.30E-44 186.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023257 6596 153.3 UdeM00000023257 XP_045204787.1 49.1 169
84 1 1 167 1 169 2.70E-34 153.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023258 1735272 532.7 UdeM00000023258 XP_041359181.1 51.4
519 203 5 17 535 19 488 5.30E-148 532.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023259 6596 710.7 UdeM00000023259 XP_045204781.1 58.5 660
187 9 38 690 34 613 1.80E-201 710.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023261 6596 410.6 UdeM00000023261 XP_045203712.1 53 402
162 5 1 379 446 843 2.20E-111 410.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023262 6596 78.2 UdeM00000023262 XP_045203711.1 31.6 215
120 8 75 275 148 349 1.90E-11 78.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023265 6596 463.8 UdeM00000023265 XP_045205253.1 70.7 335
95 2 225 556 244 578 3.20E-127 463.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023268 6596 328.2 UdeM00000023268 XP_045203549.1 32.4 583
352 12 51 594 433 1012 2.20E-86 328.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023266 6596 328.2 UdeM00000023266 XP_045203549.1 32.4 583
352 12 539 1082 433 1012 4.00E-86 328.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023267 6596 328.2 UdeM00000023267 XP_045203549.1 32.4 583
352 12 538 1081 433 1012 4.00E-86 328.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023269 6596 139.8 UdeM00000023269 XP_045205253.1 67 106
35 0 2 107 368 473 2.40E-30 139.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023270 6596 335.5 UdeM00000023270 XP_045203549.1 30.7 717
435 15 165 830 307 1012 1.90E-88 335.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023271 6596 75.9 UdeM00000023271 XP_045206174.1 33.9 171
84 6 32 190 26 179 2.30E-10 75.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023272 6596 331.3 UdeM00000023272 XP_045203549.1 35.4 585
337 14 51 599 433 1012 2.70E-87 331.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023274 6596 329.7 UdeM00000023274 XP_045203549.1 32.1 658
386 16 456 1061 364 1012 1.40E-86 329.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023275 6596 329.7 UdeM00000023275 XP_045203549.1 32.1 658
386 16 443 1048 364 1012 1.30E-86 329.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023276 50390 263.5 UdeM00000023276 XP_028127913.1 40.8 331
190 3 1 330 1 326 3.70E-67 263.5 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000023277 7725 142.9 UdeM00000023277 XP_039263221.1 60 115
46 0 45 159 6 120 4.30E-31 142.9 7725 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela clava

UdeM00000023278 6596 330.5 UdeM00000023278 XP_045203549.1 33.3 576
345 11 643 1181 439 1012 8.90E-87 330.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023280 6596 297.7 UdeM00000023280 XP_045206033.1 35.1 513
293 11 285 760 689 1198 4.10E-77 297.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023281 6596 77.8 UdeM00000023281 XP_045209795.1 37.5 136
79 4 24 157 191 322 1.40E-11 77.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023282 6596 347.4 UdeM00000023282 XP_045203549.1 35.1 582
339 11 543 1087 433 1012 6.50E-92 347.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023283 6596 336.3 UdeM00000023283 XP_045206033.1 33.9 605
353 14 19 583 659 1256 8.20E-89 336.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023284 6596 73.6 UdeM00000023284 XP_045209795.1 26.9 171
112 4 2 164 1067 1232 7.00E-10 73.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023285 6596 73.6 UdeM00000023285 XP_045209795.1 26.9 171
 112 4 2 164 1067 1232 7.00E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023286 29159 117.9 UdeM00000023286 XP_019926412.2 48.1 135
 67 1 1 132 1 135 1.00E-23 117.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023287 6596 63.9 UdeM00000023287 XP_045205318.1 24.5 163
 112 3 70 232 1861 2012 3.20E-07 63.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023288 6596 280 UdeM00000023288 XP_045205438.1 42.7 375
 195 7 66 434 801 1161 5.20E-72 280 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023289 6596 77.8 UdeM00000023289 XP_045209795.1 30.2 172
 108 4 22 186 1068 1234 4.20E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023291 6596 314.3 UdeM00000023291 XP_045203549.1 29.7 718
 416 16 350 990 307 1012 5.50E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023292 6596 324.3 UdeM00000023292 XP_045206033.1 33.3 583
 348 12 51 595 689 1268 3.20E-85 324.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023293 6596 79.3 UdeM00000023293 XP_045206174.1 37.2 172
 77 8 18 176 26 179 1.10E-11 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023294 29159 113.6 UdeM00000023294 XP_019926412.2 48.1 135
 67 1 1 132 1 135 1.90E-22 113.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023295 6596 414.8 UdeM00000023295 XP_045203907.1 66.2 346
 104 5 25 357 99 444 1.10E-112 414.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023296 6596 119 UdeM00000023296 XP_045203908.1 47.7 132
60 3 1 132 11 133 5.00E-24 119 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023297 6596 312 UdeM00000023297 XP_045203917.1 59.8 239
90 1 1 233 105 343 6.50E-82 312 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023299 6596 251.9 UdeM00000023299 XP_045203921.1 35.9 412
245 7 5 401 15 422 3.10E-63 251.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023300 6596 154.8 UdeM00000023300 XP_045203921.1 33.2 301
186 4 8 296 125 422 4.50E-34 154.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023301 6565 746.9 UdeM00000023301 XP_022324121.1 74.9 517
126 3 1 516 12 525 1.90E-212 746.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023302 6565 697.2 UdeM00000023302 XP_022324121.1 73.5 517
134 2 1 517 12 525 1.70E-197 697.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023304 6579 292.4 UdeM00000023304 XP_033744102.1 57.3 262
99 4 1 251 1661 1920 5.70E-76 292.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023303 6596 1267.3 UdeM00000023303 XP_045205709.1 55.8
1592 651 21 158 1715 146 1719 0.00E+00 1267.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023305 6596 1267.3 UdeM00000023305 XP_045205709.1 55.7
1592 651 21 158 1712 146 1719 0.00E+00 1267.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023306 6500 134.4 UdeM00000023306 XP_035825388.1 35 343
92 4 174 506 47 268 1.00E-27 134.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000023307 1203425 114 UdeM00000023307 XP_034539546.1 70.9
86 22 2 166 248 154 239 4.00E-22 114 1203425
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae;Notolabrus;Notolabrus celidotus

UdeM00000023310 6596 230.3 UdeM00000023310 XP_045203869.1 43 330
182 1 2 331 41 364 3.60E-57 230.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023312 6596 123.2 UdeM00000023312 XP_045203716.1 76.8 112
25 1 1 111 1 112 2.00E-25 123.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023313 6596 388.3 UdeM00000023313 XP_045203713.1 81 232
44 0 1 232 1 232 7.70E-105 388.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023314 1735272 808.9 UdeM00000023314 XP_041359788.1 66.9
692 215 6 1 692 1 678 5.00E-231 808.9 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023315 2607531 177.2 UdeM00000023315 XP_029644040.1 43.1
239 120 5 1 227 1 235 3.90E-41 177.2 2607531

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000023316 2607531 179.5 UdeM00000023316 XP_029644040.1 42.9
247 129 5 1 237 1 245 7.80E-42 179.5 2607531

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000023317 37653 179.1 UdeM00000023317 XP_014775218.1 52.1 169
 80 1 1 169 1 168 8.30E-42 179.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000023318 29159 110.9 UdeM00000023318 XP_011429879.2 26.5 336
 202 11 1 331 1 296 3.10E-21 110.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023319 6579 85.1 UdeM00000023319 XP_033742355.1 53.2 79
 37 0 1 79 1 79 1.90E-13 85.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023320 29159 261.5 UdeM00000023320 XP_011428224.2 71.5 165
 47 0 7 171 5 169 7.40E-67 261.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023321 6596 1511.9 UdeM00000023321 XP_045203579.1 53.1
 1669 690 21 1 1644 1 1601 0.00E+00 1511.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023323 6579 513.1 UdeM00000023323 XP_033743919.1 61.7 412
 153 2 2 408 164 575 3.50E-142 513.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023324 6596 381.3 UdeM00000023324 XP_045203568.1 47.7 493
 209 12 5 485 4 459 1.80E-102 381.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023325 6573 598.2 UdeM00000023325 XP_021364039.1 93.3 300
 20 0 29 328 488 787 6.30E-168 598.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023326 6596 429.9 UdeM00000023326 XP_045203305.1 54 452
 189 6 13 455 402 843 4.50E-117 429.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023327 6596 998 UdeM00000023327 XP_045203305.1 62.3 859
 284 10 1 835 1 843 7.30E-288 998 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000023328 1735272 101.3 UdeM00000023328 XP_041360270.1 45.4
 108 59 0 59 166 4 111 1.30E-18 101.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023329 225164 101.3 UdeM00000023329 XP_009054179.1 47.5
 118 61 1 4 120 2 119 8.90E-19 101.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000023331 114398 421 UdeM00000023331 XP_042903861.1 40.1
 574 333 6 1 570 1 567 2.40E-114 421 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000023332 6565 947.2 UdeM00000023332 XP_022322477.1 68.8 673
 207 2 3 672 263 935 1.20E-272 947.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023333 6573 202.2 UdeM00000023333 XP_021364925.1 44.2 351
 140 13 4 351 6 303 1.10E-48 202.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023334 6596 160.6 UdeM00000023334 XP_045205233.1 72 107
 30 0 1 107 153 259 1.10E-36 160.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023335 6596 361.7 UdeM00000023335 XP_045205233.1 71.8 259
 69 1 1 255 1 259 7.90E-97 361.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023336 6596 119.8 UdeM00000023336 XP_045211158.1 25.9 560
 338 22 10 546 7 512 1.20E-23 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023337 29159 500.4 UdeM00000023337 XP_019927056.2 35 1260
 669 28 10 1218 9 1169 1.20E-137 500.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023337 29159 79.3 UdeM00000023337 XP_019927056.2 62 71
 27 0 2114 2184 1680 1750 6.60E-11 79.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023338 6596 305.4 UdeM00000023338 XP_045173781.1 47.4 323
 168 1 52 374 108 428 1.50E-79 305.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023339 6596 1175.2 UdeM00000023339 XP_045203813.1 72.6
 769 204 3 2 766 404 1169 0.00E+00 1175.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023340 6596 664.8 UdeM00000023340 XP_045203813.1 79.2 419
 75 1 2 420 3 409 9.10E-188 664.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023341 6596 229.6 UdeM00000023341 XP_045203814.1 63.2 152
 56 0 1 152 1 152 2.80E-57 229.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023342 6565 571.6 UdeM00000023342 XP_022326362.1 57.3 485
 197 4 23 504 19 496 9.70E-160 571.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023343 6596 745.7 UdeM00000023343 XP_045203884.1 43 953
 506 8 5 940 10 942 9.00E-212 745.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023344 6596 746.5 UdeM00000023344 XP_045203884.1 43 953
 506 8 14 949 10 942 5.30E-212 746.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023345 6596 707.2 UdeM00000023345 XP_045203882.1 39.3 1160
 632 17 1 1109 1 1139 3.30E-200 707.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023347 6596 684.9 UdeM00000023347 XP_045204772.1 41.5 1029
 543 18 5 994 50 1058 1.60E-193 684.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023348 6596 868.2 UdeM00000023348 XP_045204771.1 47.5 996
 483 16 1 961 1 991 1.00E-248 868.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023349 6596 723.8 UdeM00000023349 XP_045204771.1 42 1011
 499 19 1 929 59 1064 2.80E-205 723.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023350 6596 724.2 UdeM00000023350 XP_045204771.1 40.3 1064
 558 15 6 994 3 1064 2.30E-205 724.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023351 1735272 124.8 UdeM00000023351 XP_041357708.1 66
 100 32 1 12 111 16 113 7.00E-26 124.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023352 1735272 127.1 UdeM00000023352 XP_041357708.1 61.8
 110 40 1 12 121 16 123 1.70E-26 127.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023353 6596 157.1 UdeM00000023353 XP_045206566.1 56.1 155
 61 4 62 215 287 435 2.50E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023354 29159 149.8 UdeM00000023354 XP_034301601.1 44.9 187
 101 1 2 186 521 707 3.40E-33 149.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023355 6565 164.9 UdeM00000023355 XP_022328045.1 70.2 114
 32 1 3 116 231 342 7.30E-38 164.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023357 6573 894.4 UdeM00000023357 XP_021367040.1 45.9 1356
 555 18 4 1334 3 1205 1.70E-256 894.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023359 6526 165.6 UdeM00000023359 XP_013062038.1 42.1 228
122 4 46 267 470 693 9.80E-38 165.6 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000023360 1735272 156.4 UdeM00000023360 XP_041365180.1 38.6
202 120 1 50 247 164 365 4.80E-35 156.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023361 6596 146.4 UdeM00000023361 XP_045206733.1 36.4 280
147 8 74 323 147 425 6.70E-32 146.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023362 6579 402.5 UdeM00000023362 XP_033743064.1 49 400
196 5 4 397 91 488 6.30E-109 402.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023363 6579 490.3 UdeM00000023363 XP_033743064.1 49.2 490
240 6 1 483 1 488 2.80E-135 490.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023364 6596 88.2 UdeM00000023364 XP_045204696.1 36.9 149
81 2 49 188 19 163 1.50E-14 88.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023365 6596 3289.2 UdeM00000023365 XP_045183964.1 75.4
2335 541 5 1 2333 1 2304 0.00E+00 3289.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000023372 7604 208.4 UdeM00000023372 XP_033641610.1 40.5 311
175 6 78 384 7 311 4.80E-50 208.4 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul atida;Asteroidea;Asterias;Asterias rubens

UdeM00000023373 7604 223.8 UdeM00000023373 XP_033641610.1 41 334
187 6 85 414 7 334 4.20E-55 223.8 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul atida;Asteroidea;Asterias;Asterias rubens

UdeM00000023374 8236 127.1 UdeM00000023374 XP_044216249.1 43.3 164
 76 4 1 163 37 184 2.10E-26 127.1 8236 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Pelagiaria;Scombriformes;Scombr
 idae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000023387 6596 583.6 UdeM00000023387 XP_045183955.1 65.7 432
 144 2 1 431 1 429 2.30E-163 583.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030494 6596 274.2 UdeM00000030494 XP_045171316.1 39.2 406
 225 6 33 421 31 431 2.80E-70 274.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030495 37653 222.6 UdeM00000030495 XP_014779039.1 37.3 365
 217 6 4 358 401 763 7.90E-55 222.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000030497 151771 375.9 UdeM00000030497 XP_028419301.1 50.1
 379 130 3 42 363 34 410 6.00E-101 375.9 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000030498 218467 149.8 UdeM00000030498 XP_023216565.1 28.9
 329 218 7 97 422 136 451 7.60E-33 149.8 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000030499 218467 120.9 UdeM00000030499 XP_023216565.1 26.1
 329 209 7 50 357 136 451 3.20E-24 120.9 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000030500 1735272 255 UdeM00000030500 XP_041351875.1 57.1
 231 99 0 1 231 195 425 9.60E-65 255 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030501 1735272 406 UdeM00000030501 XP_041351875.1 55.1
 379 165 2 51 427 50 425 6.10E-110 406 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000030502 6579 414.1 UdeM00000030502 XP_033734276.1 46 452
 239 5 5 453 50 499 2.40E-112 414.1 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000030503 6579 425.2 UdeM00000030503 XP_033734276.1 45.2 493
 258 8 9 492 10 499 1.10E-115 425.2 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000030504 6573 666.4 UdeM00000030504 XP_021379975.1 61.6 570
 194 10 1 561 1 554 3.30E-188 666.4 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000030507 6565 268.1 UdeM00000030507 XP_022312737.1 47 279
 140 4 2 278 99 371 1.30E-68 268.1 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000030506 6565 278.9 UdeM00000030506 XP_022312737.1 47.3 292
 146 4 46 335 86 371 8.80E-72 278.9 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000030508 6596 268.9 UdeM00000030508 XP_045171316.1 38.7 406
 227 6 33 421 31 431 1.20E-68 268.9 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000030509 6565 280.8 UdeM00000030509 XP_022312737.1 47.3 292
 146 4 46 335 86 371 2.30E-72 280.8 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000030510 6565 280.8 UdeM00000030510 XP_022312737.1 47.3 292
 146 4 46 335 86 371 2.30E-72 280.8 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000030511 6596 276.2 UdeM00000030511 XP_045171316.1 39.4 406
 224 6 33 421 31 431 7.40E-71 276.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000030512 6565 280.4 UdeM00000030512 XP_022312737.1 46.4 291
 150 3 46 335 86 371 3.00E-72 280.4 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000030513 6596 755.7 UdeM00000030513 XP_045164022.1 64.6 608
 205 5 24 624 6 610 5.90E-215 755.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030514 6596 147.9 UdeM00000030514 XP_045181811.1 46.8 156
 80 3 1 154 166 320 1.20E-32 147.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030515 225164 63.9 UdeM00000030515 XP_009060625.1 50.8
 61 26 2 1 58 66 125 1.10E-07 63.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000030516 6573 729.2 UdeM00000030516 XP_021379914.1 82.1 643
 99 5 445 1081 498 1130 7.80E-207 729.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030517 1735272 255.8 UdeM00000030517 XP_041352353.1 68.6
 185 58 0 11 195 13 197 4.60E-65 255.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030518 29159 264.2 UdeM00000030518 XP_034316161.1 45 291
 159 1 1 290 718 1008 1.90E-67 264.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030519 6565 280.8 UdeM00000030519 XP_022312737.1 46 291
 151 3 46 335 86 371 2.30E-72 280.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030520 6565 280.8 UdeM00000030520 XP_022312737.1 46 291
 151 3 34 323 86 371 2.20E-72 280.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030521 6596 142.1 UdeM00000030521 XP_045170155.1 66.3 199
 61 1 167 365 44 236 1.40E-30 142.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030522 6596 947.2 UdeM00000030522 XP_045181168.1 74.1 837
 207 3 1 832 1 832 2.10E-272 947.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030522 6596 68.9 UdeM00000030522 XP_045181168.1 46.6 88
40 2 1130 1217 950 1030 5.00E-08 68.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030523 6500 106.7 UdeM00000030523 XP_005099828.1 75 72
18 0 12 83 1038 1109 1.50E-20 106.7 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000030524 6565 114.8 UdeM00000030524 XP_022297037.1 39.1 174
99 3 6 174 11 182 2.00E-22 114.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000030525 1735272 272.7 UdeM00000030525 XP_041355171.1 72.6
186 48 3 11 195 43 226 3.70E-70 272.7 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030526 6596 162.2 UdeM00000030526 XP_045177433.1 44.9 156
72 2 14 164 4 150 3.20E-36 162.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030527 8407 109 UdeM00000030527 XP_040208265.1 38.9 131
77 3 72 201 255 383 9.60E-21 109 8407 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatrachia;Ranoidea;Ranidae;Rana;Rana;Rana temporaria

UdeM00000030528 8407 99.4 UdeM00000030528 XP_040208265.1 41.2 114
64 3 1 113 272 383 5.10E-18 99.4 8407 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatrachia;Ranoidea;Ranidae;Rana;Rana;Rana temporaria

UdeM00000030529 6596 160.2 UdeM00000030529 XP_045184682.1 32.1 299
188 7 5 297 11 300 4.00E-36 160.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030531 6596 184.5 UdeM00000030531 XP_045184682.1 35.7 300
174 9 6 295 10 300 2.00E-43 184.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030532 29159 241.9 UdeM00000030532 XP_011432869.1 70.7 147
 42 1 3 149 5 150 5.80E-61 241.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030533 6500 429.1 UdeM00000030533 XP_005102960.1 68 297
 90 2 1 297 1 292 4.60E-117 429.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000030534 29159 152.5 UdeM00000030534 XP_011415145.2 73 89
 24 0 3 91 4 92 3.10E-34 152.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030535 6596 118.2 UdeM00000030535 XP_045180523.1 63.9 83
 30 0 13 95 45 127 1.80E-23 118.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030536 6596 118.2 UdeM00000030536 XP_045180523.1 63.9 83
 30 0 13 95 45 127 2.10E-23 118.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030537 6596 139.4 UdeM00000030537 XP_045180523.1 38 308
 190 1 870 1176 1579 1886 2.90E-29 139.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030538 6596 107.5 UdeM00000030538 XP_045180523.1 69.1 81
 25 0 1 81 1900 1980 1.20E-20 107.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030539 6500 253.1 UdeM00000030539 XP_035825114.1 70.3 195
 58 0 2 196 1550 1744 5.50E-64 253.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000030541 6573 147.9 UdeM00000030541 XP_021347272.1 73.5 102
 27 0 2 103 1503 1604 1.80E-32 147.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030540 6596 125.6 UdeM00000030540 XP_045181593.1 43.5 161
 85 2 1 161 1 155 1.00E-25 125.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030542 6596 639 UdeM00000030542 XP_045180471.1 42.8 747
 403 8 1 738 1 732 7.30E-180 639 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030543 6596 631.3 UdeM00000030543 XP_045180471.1 42.4 754
 403 9 1 745 1 732 1.50E-177 631.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030544 6565 99.4 UdeM00000030544 XP_022297447.1 47.3 112
 55 1 16 123 249 360 3.90E-18 99.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030545 7574 299.3 UdeM00000030545 XP_013381563.1 42 393
 201 8 5 384 10 388 7.60E-78 299.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000030547 6579 1069.3 UdeM00000030547 XP_033746880.1 53.8
 986 424 9 1 954 503 1488 0.00E+00 1069.3 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030548 6565 163.3 UdeM00000030548 XP_022328252.1 45 211
 98 5 1 193 1105 1315 3.10E-37 163.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030550 6596 231.9 UdeM00000030550 XP_045202146.1 47.5 240
 111 3 75 301 76 313 1.10E-57 231.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030551 6596 200.7 UdeM00000030551 XP_045186011.1 38.9 419
 190 16 576 985 637 998 8.80E-48 200.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030552 6579 320.9 UdeM00000030552 XP_033734310.1 40 463
 272 5 6 465 9 468 2.90E-84 320.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030553 6579 321.6 UdeM00000030553 XP_033734310.1 40 458
 269 5 6 460 9 463 1.60E-84 321.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030554 6579 994.6 UdeM00000030554 XP_033734598.1 66.2 662
223 1 55 715 180 841 6.60E-287 994.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030555 6579 989.2 UdeM00000030555 XP_033734596.1 65.9 660
224 1 5 663 192 851 2.60E-285 989.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030556 6579 984.2 UdeM00000030556 XP_033734596.1 65.7 662
224 2 5 665 192 851 8.30E-284 984.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030557 6573 109.4 UdeM00000030557 XP_021340861.1 52.2 136
54 3 1 132 4 132 4.80E-21 109.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030558 400727 106.7 UdeM00000030558 XP_025090012.1 49.3
144 61 3 24 155 25 168 2.70E-20 106.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000030560 441366 322 UdeM00000030560 XP_028296753.1 39.3
499 268 12 6 490 32 509 1.30E-84 322 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000030562 29159 178.3 UdeM00000030562 XP_011425869.2 29.2 559
286 14 1 515 108 600 2.40E-41 178.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030563 50390 214.5 UdeM00000030563 XP_028127913.1 42.1 259
149 1 1 259 1 258 2.10E-52 214.5 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000030564 29159 108.2 UdeM00000030564 XP_011430997.2 35.6 194
113 7 62 248 46 234 2.40E-20 108.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030565 6596 199.1 UdeM00000030565 XP_045204562.1 27.7 674
331 21 1 565 1 627 1.90E-47 199.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030566 6579 176 UdeM00000030566 XP_033734149.1 61.8 152
56 2 54 204 27 177 1.80E-40 176 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030567 6579 369 UdeM00000030567 XP_033734149.1 36.9 593
349 13 1 581 183 762 1.10E-98 369 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030570 6579 511.9 UdeM00000030570 XP_033733570.1 78.9 318
67 0 3 320 804 1121 5.80E-142 511.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030569 6596 785.8 UdeM00000030569 XP_045184086.1 72.1 537
136 2 2 538 621 1143 3.50E-224 785.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030571 6596 426.8 UdeM00000030571 XP_045184086.1 39.2 627
321 13 1 578 1 616 4.40E-116 426.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030572 29159 286.6 UdeM00000030572 XP_034323682.1 78.1 178
38 1 1 177 1 178 2.50E-74 286.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030573 29159 915.2 UdeM00000030573 XP_034323682.1 80.4 556
108 1 1 555 1 556 4.30E-263 915.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030574 1735272 540 UdeM00000030574 XP_041351578.1 83.6
323 53 0 1 323 194 516 2.10E-150 540 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030575 6596 222.6 UdeM00000030575 XP_045164886.1 33 569
239 17 19 553 22 482 1.20E-54 222.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030576 6500 384.4 UdeM00000030576 XP_012941013.1 81.1 238
33 1 18 243 497 734 1.10E-103 384.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000030578 7574 350.1 UdeM00000030578 XP_013381989.1 48 373
188 4 32 403 91 458 3.70E-93 350.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030579 7574 384.4 UdeM00000030579 XP_013381989.1 48.4 395
198 4 73 466 69 458 2.00E-103 384.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030580 6573 255.4 UdeM00000030580 XP_021351455.1 44.1 256
135 1 21 276 105 352 8.50E-65 255.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030581 6596 206.5 UdeM00000030581 XP_045158354.1 47.2 218
114 1 18 234 102 319 4.00E-50 206.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030582 6596 350.5 UdeM00000030582 XP_045158354.1 53 319
150 0 1 319 1 319 2.30E-93 350.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030583 6596 138.7 UdeM00000030583 XP_045158354.1 60.8 102
40 0 1 102 1 102 6.10E-30 138.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030584 6573 64.7 UdeM00000030584 XP_021364016.1 45.6 68
37 0 13 80 279 346 6.40E-08 64.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030585 6596 266.2 UdeM00000030585 XP_045158354.1 58.1 217
91 0 1 217 1 217 3.80E-68 266.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030586 6596 167.5 UdeM00000030586 XP_045158354.1 45.9 181
 97 1 22 201 139 319 1.80E-38 167.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030587 6596 332 UdeM00000030587 XP_045158354.1 50.5 329
 152 2 1 328 1 319 8.70E-88 332 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030588 6596 1061.6 UdeM00000030588 XP_045186998.1 59.2
 934 327 11 1 891 31 953 5.50E-307 1061.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030589 6596 176 UdeM00000030589 XP_045186999.1 48.9 235
 105 6 1 231 5 228 5.70E-41 176 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041852 6596 177.6 UdeM00000041852 XP_045162129.1 32 375
 239 9 7 367 540 912 3.10E-41 177.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041853 6596 91.3 UdeM00000041853 XP_045162129.1 36.5 167
 97 5 7 164 540 706 1.60E-15 91.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041854 6596 95.1 UdeM00000041854 XP_045162129.1 35 180
 108 5 7 177 540 719 9.40E-17 95.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041855 6596 193 UdeM00000041855 XP_045161961.1 27.8 697
 429 23 87 732 99 772 1.50E-45 193 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041859 6596 108.2 UdeM00000041859 XP_045215643.1 44.3 115
 61 1 1 112 1 115 1.80E-20 108.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041860 6565 86.3 UdeM00000041860 XP_022311846.1 37.7 138
28 1 94 173 21 158 4.40E-14 86.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041862 70779 72 UdeM00000041862 XP_015777172.1 34 100
66 0 44 143 38 137 6.90E-10 72 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000041865 6596 137.9 UdeM00000041865 XP_045162610.1 25.7 690
399 26 84 719 101 730 5.30E-29 137.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041867 6565 95.1 UdeM00000041867 XP_022314409.1 37.9 169
87 5 1 151 1147 1315 8.00E-17 95.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041866 6565 156.8 UdeM00000041866 XP_022328252.1 44.3 210
99 5 1 192 1106 1315 2.90E-35 156.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041868 6596 203.8 UdeM00000041868 XP_045180324.1 37.5 304
158 4 2 305 16 287 3.80E-49 203.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041870 6596 194.1 UdeM00000041870 XP_045162129.1 31.6 433
275 11 7 420 540 970 4.30E-46 194.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041871 6596 159.5 UdeM00000041871 XP_045161961.1 27.8 575
339 20 79 609 100 642 1.40E-35 159.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041873 6596 80.5 UdeM00000041873 XP_045209463.1 34.4 131
83 3 1 128 180 310 1.80E-12 80.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041874 6596 106.3 UdeM00000041874 XP_045190923.1 74.6 67
17 0 167 233 464 530 5.40E-20 106.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041875 6596 126.3 UdeM00000041875 XP_045158584.1 33.8 234
88 4 14 180 391 624 3.90E-26 126.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041876 6596 127.5 UdeM00000041876 XP_045158584.1 52.8 127
54 4 16 140 69 191 1.60E-26 127.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041877 6596 105.1 UdeM00000041877 XP_045209446.1 30.4 263
168 8 4 261 230 482 2.00E-19 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041879 6573 204.9 UdeM00000041879 XP_021372025.1 35.8 363
148 6 1 280 44 404 1.30E-49 204.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041881 6579 99 UdeM00000041881 XP_033730093.1 33.6 214
133 6 1 212 416 622 8.40E-18 99 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034553 29159 684.1 UdeM00000034553 XP_011452894.2 76.6 435
96 3 5 437 1 431 1.20E-193 684.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034554 6526 198.7 UdeM00000034554 XP_013096494.1 56.8 192
75 2 233 421 445 631 2.00E-47 198.7 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biophalaria;Biophalaria glabrata

UdeM00000034555 6596 200.3 UdeM00000034555 XP_045161129.1 27.3 901
496 27 92 885 113 961 1.00E-47 200.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034556 6579 383.6 UdeM00000034556 XP_033724812.1 46.8 641
306 20 253 867 261 892 6.50E-103 383.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034557 6579 375.9 UdeM00000034557 XP_033724812.1 44.3 645
 320 21 253 871 261 892 1.40E-100 375.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034558 6579 217.2 UdeM00000034558 XP_033724812.1 45 411
 190 18 252 638 261 659 6.20E-53 217.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034559 6596 567 UdeM00000034559 XP_045163178.1 68.4 370
 117 0 1 370 356 725 1.80E-158 567 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034560 6596 1006.9 UdeM00000034560 XP_045163178.1 63.7
 728 261 2 1 728 1 725 1.30E-290 1006.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034561 29159 316.6 UdeM00000034561 XP_034317111.1 55.8 283
 124 1 2 283 171 453 3.20E-83 316.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034563 7574 143.3 UdeM00000034563 XP_013410226.1 67 106
 29 1 40 139 2 107 2.50E-31 143.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000034564 6596 479.6 UdeM00000034564 XP_045162524.1 69.3 332
 102 0 172 503 341 672 5.20E-132 479.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034565 225164 117.9 UdeM00000034565 XP_009058025.1 41.7
 204 97 5 1 203 1 183 1.80E-23 117.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000034566 1735272 295.4 UdeM00000034566 XP_041377576.1 65
 217 76 0 4 220 523 739 7.80E-77 295.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000034568 7574 124.8 UdeM00000034568 XP_023932024.1 39.7 189
 102 5 10 197 231 408 1.40E-25 124.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000034569 6596 187.2 UdeM00000034569 XP_045162810.1 51.4 179
85 1 1 177 1 179 1.90E-44 187.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000034570 6573 96.3 UdeM00000034570 XP_021339238.1 38.1 126
71 2 776 897 817 939 2.10E-16 96.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034571 6596 1172.5 UdeM00000034571 XP_045163022.1 41.7
1536 841 11 19 1521 141 1655 0.00E+00 1172.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000034573 6596 121.7 UdeM00000034573 XP_045162893.1 49.7 153
45 6 1 143 1 131 8.40E-25 121.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000034574 6579 105.1 UdeM00000034574 XP_033764390.1 70.6 85
21 3 265 347 68 150 1.90E-19 105.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034575 6579 730.7 UdeM00000034575 XP_033764394.1 71 542
140 9 1 535 1 532 1.40E-207 730.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034578 7574 183.3 UdeM00000034578 XP_013393586.1 50.5 182
86 3 1 179 1 181 2.70E-43 183.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000034579 1735272 60.1 UdeM00000034579 XP_041377717.1 30.6
157 93 4 73 227 111 253 4.30E-06 60.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000034580 6596 353.6 UdeM00000034580 XP_045162407.1 49.3 444
216 5 10 446 12 453 3.70E-94 353.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034581 6596 333.2 UdeM00000034581 XP_045162999.1 65 243
 79 2 1 241 1 239 3.00E-88 333.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034582 45264 339.3 UdeM00000034582 XP_044165143.1 56.7 305
 118 4 42 336 35 335 6.50E-90 339.3 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000034583 6596 280.4 UdeM00000034583 XP_045161569.1 72.5 189
 49 2 7 193 3 190 1.70E-72 280.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034584 6596 287.7 UdeM00000034584 XP_045161566.1 38.5 530
 253 11 1 461 1 526 2.60E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034585 29159 276.9 UdeM00000034585 XP_034337082.1 35.8 520
 259 11 1 450 1 515 4.40E-71 276.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034586 29159 733.8 UdeM00000034586 XP_034299341.1 82.9 433
 74 0 33 465 1 433 1.40E-208 733.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034587 6596 332 UdeM00000034587 XP_045169018.1 61.7 248
 91 3 24 269 26 271 6.90E-88 332 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034588 6596 332 UdeM00000034588 XP_045169018.1 61.7 248
 91 3 30 275 26 271 7.10E-88 332 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034590 6596 333.2 UdeM00000034590 XP_045169018.1 62.1 248
 90 3 24 269 26 271 3.10E-88 333.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034591 6596 333.2 UdeM00000034591 XP_045169018.1 62.1 248
 90 3 30 275 26 271 3.20E-88 333.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034589 6596 333.2 UdeM00000034589 XP_045169018.1 62.1 248
90 3 32 277 26 271 3.20E-88 333.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034593 6596 332 UdeM00000034593 XP_045169018.1 61.7 248
91 3 24 269 26 271 6.90E-88 332 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034592 6596 332 UdeM00000034592 XP_045169018.1 61.7 248
91 3 32 277 26 271 7.10E-88 332 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034594 2607531 161.4 UdeM00000034594 XP_036363882.1 48.8
168 75 5 2 160 8 173 1.10E-36 161.4 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000034595 6573 923.3 UdeM00000034595 XP_021364892.1 51.4 932
416 11 12 921 14 930 2.40E-265 923.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034596 6596 608.6 UdeM00000034596 XP_045161356.1 56 457
192 3 347 797 359 812 1.10E-170 608.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034597 6596 177.9 UdeM00000034597 XP_045163901.1 38.8 291
159 7 1 280 20 302 1.80E-41 177.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034598 6596 413.7 UdeM00000034598 XP_045194575.1 35.4 562
351 7 14 572 16 568 3.80E-112 413.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034599 6565 146.7 UdeM00000034599 XP_022343501.1 38.5 195
114 2 6 195 10 203 3.00E-32 146.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034600 6596 158.3 UdeM00000034600 XP_045163901.1 43.6 202
105 3 1 196 20 218 1.30E-35 158.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034601 6596 411.8 UdeM00000034601 XP_045194575.1 35.7 561
351 6 14 572 16 568 1.50E-111 411.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034603 6596 406 UdeM00000034603 XP_045194575.1 35.3 563
352 6 14 574 16 568 8.00E-110 406 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034604 6596 268.1 UdeM00000034604 XP_045161541.1 47.5 314
151 6 4 310 10 316 1.50E-68 268.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034605 6596 276.2 UdeM00000034605 XP_045161541.1 48.3 302
144 4 17 313 22 316 5.60E-71 276.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034608 29159 218.8 UdeM00000034608 XP_034299474.1 45.3 247
133 1 6 250 509 755 7.90E-54 218.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034609 29159 209.9 UdeM00000034609 XP_034330911.1 47.1 221
105 5 10 219 269 488 3.20E-51 209.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034610 6596 258.1 UdeM00000034610 XP_045161541.1 46.9 320
157 7 12 323 1 315 1.70E-65 258.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034611 6596 714.9 UdeM00000034611 XP_045162121.1 49.7 724
332 8 1 720 1 696 1.00E-202 714.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034612 6596 254.6 UdeM00000034612 XP_045163271.1 38.9 383
 195 7 135 512 162 510 2.70E-64 254.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034613 6596 214.5 UdeM00000034613 XP_045162121.1 65 140
 49 0 1 140 332 471 8.40E-53 214.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034614 6596 311.2 UdeM00000034614 XP_045163271.1 68.5 203
 64 0 3 205 680 882 9.70E-82 311.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034615 6596 463 UdeM00000034615 XP_045162063.1 51.1 448
 188 4 42 460 27 472 4.40E-127 463 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034618 6596 374.4 UdeM00000034618 XP_045162732.1 59.8 386
 113 15 3 353 5 383 1.60E-100 374.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034619 6596 859.4 UdeM00000034619 XP_045162733.1 62.2 756
 257 10 1 741 79 820 3.40E-246 859.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034622 7574 295 UdeM00000034622 XP_013401097.1 48.3 346
 169 3 1 337 386 730 1.20E-76 295 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000034623 6596 347.1 UdeM00000034623 XP_045161704.1 70.8 219
 64 0 1 219 62 280 4.10E-92 347.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034624 6565 116.3 UdeM00000034624 XP_022292622.1 39.9 163
 76 3 251 395 449 607 8.80E-23 116.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034625 6596 682.2 UdeM00000034625 XP_045161699.1 69.5 486
 141 4 5 487 52 533 6.50E-193 682.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034626 6573 325.1 UdeM00000034626 XP_021353552.1 62.1 224
83 1 18 239 173 396 7.60E-86 325.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034627 6573 166.4 UdeM00000034627 XP_021353552.1 52.4 164
73 3 1 162 41 201 3.70E-38 166.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034628 6573 142.5 UdeM00000034628 XP_021353552.1 50.7 142
65 3 1 140 61 199 4.70E-31 142.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034629 6573 443.7 UdeM00000034629 XP_021353532.1 48.7 437
212 6 1 432 1 430 4.50E-121 443.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034632 6500 597.4 UdeM00000034632 XP_035829085.1 46.3 598
299 5 1 580 1109 1702 1.90E-167 597.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000034633 29159 716.8 UdeM00000034633 XP_011419274.2 39 1060
580 22 8 1040 634 1653 3.90E-203 716.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034634 6500 718 UdeM00000034634 XP_035829085.1 38.9 1015
541 22 40 1019 735 1705 1.70E-203 718 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000034635 400727 589 UdeM00000034635 XP_025083075.1 55.4
549 200 4 4 510 12 557 8.00E-165 589 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000034636 6596 238 UdeM00000034636 XP_045187536.1 71.6 169
47 1 1 169 317 484 8.60E-60 238 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034637 6596 120.9 UdeM00000034637 XP_045187536.1 67.4 89
29 0 1 89 396 484 8.10E-25 120.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034638 6596 365.2 UdeM00000034638 XP_045163098.1 89.3 197
21 0 1 197 1 197 5.50E-98 365.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034639 6596 649.4 UdeM00000034639 XP_045163098.1 85.1 363
54 0 1 363 1 363 2.70E-183 649.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034640 6579 526.2 UdeM00000034640 XP_033763114.1 74.2 353
88 2 1 352 22 372 3.40E-146 526.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034642 6596 241.5 UdeM00000034642 XP_045163028.1 39.2 365
208 4 11 369 12 368 1.90E-60 241.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034643 6596 954.5 UdeM00000034643 XP_045162193.1 61.5 738
272 6 119 846 3021 3756 1.10E-274 954.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034644 6596 109.8 UdeM00000034644 XP_045162193.1 36 150
94 2 13 161 458 606 3.50E-21 109.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034645 7539 80.5 UdeM00000034645 XP_023018827.1 42.9 84
47 1 8 91 3649 3731 1.70E-12 80.5 7539 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Chrysomelinae;Doryphorini;Leptinotarsa;Leptinotarsa decemlineata

UdeM00000034647 279965 83.6 UdeM00000034647 XP_010165004.2 34.7
144 66 7 19 156 1274 1395 3.30E-13 83.6 279965

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Caprimulgimorphae;Caprimulgiformes;Caprimulgidae;Antrostomus;Antrostomus carolinensis

UdeM00000034648 279965 67.8 UdeM00000034648 XP_010165004.2 41.2
80 38 3 2 77 1307 1381 1.40E-08 67.8 279965
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
ognathae;Caprimulgimorphae;Caprimulgiformes;Caprimulgidae;Antrostomus;Ant
rostomus carolinensis

UdeM00000034649 6596 144.1 UdeM00000034649 XP_045162193.1 29.1 361
197 9 150 460 366 717 6.40E-31 144.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034650 6596 144.1 UdeM00000034650 XP_045162193.1 29.1 361
197 9 150 460 366 717 6.10E-31 144.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034651 6526 420.6 UdeM00000034651 XP_013068089.1 65.9 311
104 1 75 383 47 357 2.10E-114 420.6 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata

UdeM00000034652 6596 78.6 UdeM00000034652 XP_045163170.1 28.7 321
214 7 1 310 1 317 3.60E-11 78.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034653 400682 121.7 UdeM00000034653 XP_003390251.1 35.5
214 122 4 12 221 432 633 1.20E-24 121.7 400682
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000034654 1735272 1073.5 UdeM00000034654 XP_041378592.1
63.9 775 263 4 1 771 15 776 8.7e-311 1073.5
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000034655 7888 159.5 UdeM00000034655 XP_043944824.1 44 200
110 2 2 201 1015 1212 4.60E-36 159.5 7888 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes
;Lepidosirenoidei;Protopteridae;Protopterus;Protopterus annectens

UdeM00000034656 6573 1009.6 UdeM00000034656 XP_021340843.1 70.7
670 194 2 353 1020 103 772 2.80E-291 1009.6 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000034657 1735272 238.8 UdeM00000034657 XP_041377293.1 32.4
515 276 13 175 661 101 571 2.40E-59 238.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000034658 1735272 324.7 UdeM00000034658 XP_041378518.1 44.2
412 176 3 28 437 127 486 2.10E-85 324.7 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000034659 225164 107.8 UdeM00000034659 XP_009050448.1 31.5
515 280 20 20 504 1179 1650 4.00E-20 107.8 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000012486 52239 67.8 UdeM00000012486 XP_033942098.1 31.7 126
80 2 3 125 7 129 1.30E-08 67.8 52239 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorpha; Euacanthomorpha; Percomorphaceae; Eupercaria; Perciformes; Notothenioidei; Channichthyidae; Pseudochaenichthys; Pseudochaenichthys georgianus
UdeM00000012487 6596 257.3 UdeM00000012487 XP_045210929.1 34.2 415
264 5 10 417 96 508 3.80E-65 257.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000012488 7574 91.3 UdeM00000012488 XP_013408964.1 35.5 155
89 7 37 186 32 180 1.50E-15 91.3 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000012489 6596 73.2 UdeM00000012489 XP_045162336.1 40.2 102
47 3 85 174 38 137 4.00E-10 73.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000012490 6596 268.9 UdeM00000012490 XP_045167321.1 28.5 705
392 17 4 602 3 701 1.60E-68 268.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000012491 6596 235.7 UdeM00000012491 XP_045171998.1 61.3 186
72 0 15 200 512 697 5.10E-59 235.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012492 6596 260.8 UdeM00000012492 XP_045171998.1 74.2 163
42 0 4 166 342 504 1.30E-66 260.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012493 7574 90.9 UdeM00000012493 XP_013408964.1 37 165
73 10 37 186 32 180 2.00E-15 90.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012494 6596 308.5 UdeM00000012494 XP_045199387.1 30.9 706
435 15 4 667 3 697 2.00E-80 308.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012495 6596 235.7 UdeM00000012495 XP_045171998.1 61.3 186
72 0 15 200 512 697 5.10E-59 235.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012496 6596 258.8 UdeM00000012496 XP_045171998.1 73.5 166
41 1 4 169 342 504 4.90E-66 258.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012497 7574 90.9 UdeM00000012497 XP_013408964.1 37 165
73 10 37 186 32 180 2.00E-15 90.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012498 6596 308.1 UdeM00000012498 XP_045199387.1 30.6 709
433 16 4 667 3 697 2.70E-80 308.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012499 6596 233.4 UdeM00000012499 XP_045171998.1 60.8 186
73 0 15 200 512 697 2.50E-58 233.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012500 6596 258.8 UdeM00000012500 XP_045171998.1 74.4 160
41 0 4 163 342 501 4.80E-66 258.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012501 7574 90.9 UdeM00000012501 XP_013408964.1 37 165
 73 10 30 179 32 180 1.90E-15 90.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000012502 6596 315.5 UdeM00000012502 XP_045167321.1 31.2 709
 434 19 4 668 3 701 1.70E-82 315.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012503 6596 235.7 UdeM00000012503 XP_045171998.1 61.3 186
 72 0 15 200 512 697 5.10E-59 235.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012504 6596 810.8 UdeM00000012504 XP_045171998.1 82.1 475
 85 0 38 512 30 504 9.80E-232 810.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012505 6596 453 UdeM00000012505 XP_045173186.1 46.8 487
 251 6 37 521 7 487 5.20E-124 453 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012506 6596 433 UdeM00000012506 XP_045173186.1 48.1 453
 227 6 4 454 41 487 4.90E-118 433 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012507 27687 65.1 UdeM00000012507 XP_028660295.1 33.1 139
 84 2 12 145 162 296 9.20E-08 65.1 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000012508 6596 461.8 UdeM00000012508 XP_045171519.1 69.2 321
 98 1 14 333 3 323 7.20E-127 461.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012510 6573 124 UdeM00000012510 XP_021358820.1 75.3 73
 18 0 2 74 99 171 8.00E-26 124 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012512 6596 198 UdeM00000012512 XP_045173173.1 50.2 205
 98 3 10 211 5 208 1.20E-47 198 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012513 6573 179.9 UdeM00000012513 XP_021358820.1 84.2 95
 15 0 4 98 3 97 2.40E-42 179.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012514 225164 239.2 UdeM00000012514 XP_009057687.1 71.5
 151 39 2 1 149 1 149 3.80E-60 239.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000012515 6596 334.3 UdeM00000012515 XP_045173144.1 81.8 181
 33 0 23 203 133 313 1.10E-88 334.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012518 6596 526.2 UdeM00000012518 XP_045173144.1 43.8 683
 329 12 2 664 339 986 6.20E-146 526.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012519 6565 640.2 UdeM00000012519 XP_022339521.1 77.7 381
 85 0 2 382 1619 1999 1.70E-180 640.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012522 6596 95.5 UdeM00000012522 XP_045171142.1 54.5 101
 43 3 6 106 3 100 4.80E-17 95.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012523 29159 95.9 UdeM00000012523 XP_034336683.1 45 109
 57 2 2 110 6 111 3.70E-17 95.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012524 6526 364.8 UdeM00000012524 XP_013068368.1 65.4 260
 88 2 3 262 1 258 1.40E-97 364.8 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biophalaria;Biophalaria
 glabrata
 UdeM00000012525 6573 93.6 UdeM00000012525 XP_021365625.1 48 98
 51 0 24 121 29 126 2.50E-16 93.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012526 6565 4608.5 UdeM00000012526 XP_022317104.1 77.2
2902 626 1 15 2916 278 3144 0.00E+00 4608.5 6565
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012527 6596 2308.5 UdeM00000012527 XP_045171731.1 84.1
1320 210 0 33 1352 3189 4508 0.00E+00 2308.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012528 225164 337.8 UdeM00000012528 XP_009054033.1 76.1
209 48 1 1 209 1 207 9.80E-90 337.8 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000012530 6596 176.8 UdeM00000012530 XP_045172377.1 75 104
25 1 1 103 1 104 1.40E-41 176.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012529 6596 290.4 UdeM00000012529 XP_045172377.1 70.9 189
54 1 1 188 1 189 1.60E-75 290.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012532 29159 279.6 UdeM00000012532 XP_034313251.1 52.3 262
123 2 1 260 1 262 4.10E-72 279.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012533 7739 159.1 UdeM00000012533 XP_035677667.1 32 400
234 10 6 377 7 396 1.10E-35 159.1 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000012534 6596 877.5 UdeM00000012534 XP_045172679.1 75.7 555
132 1 9 563 7 558 1.10E-251 877.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012535 6596 725.7 UdeM00000012535 XP_045173140.1 80.8 448
86 0 1 448 1 448 3.60E-206 725.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012536 6596 171.4 UdeM00000012536 XP_045173139.1 41.1 282
 123 6 1 241 1 280 1.40E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012537 6596 311.2 UdeM00000012537 XP_045172179.1 32.6 608
 346 13 7 559 11 609 2.60E-81 311.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012538 6596 404.1 UdeM00000012538 XP_045172179.1 39.5 610
 325 11 3 575 9 611 3.10E-109 404.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012539 6596 403.3 UdeM00000012539 XP_045172179.1 40 610
 322 11 3 575 9 611 5.20E-109 403.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012540 6596 161.4 UdeM00000012540 XP_045172305.1 38.7 230
 133 3 2 224 8 236 1.60E-36 161.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012541 6596 354.4 UdeM00000012541 XP_045172179.1 35.6 610
 351 11 5 579 9 611 2.80E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012542 6579 114.4 UdeM00000012542 XP_033739636.1 53.7 95
 44 0 45 139 42 136 1.20E-22 114.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012543 6596 343.2 UdeM00000012543 XP_045172179.1 39.8 475
 271 7 18 484 144 611 5.40E-91 343.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012545 6579 287.3 UdeM00000012545 XP_033762187.1 54.6 271
 112 6 46 309 63 329 2.30E-74 287.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012547 6579 268.5 UdeM00000012547 XP_033751112.1 43.2 287
 159 2 67 351 77 361 1.20E-68 268.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012548 6526 174.5 UdeM00000012548 XP_013073210.1 36.7 256
 159 3 57 312 105 357 2.20E-40 174.5 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000012549 6579 267.7 UdeM00000012549 XP_033751112.1 44.5 290
 158 2 95 384 75 361 2.30E-68 267.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012550 29159 137.5 UdeM00000012550 XP_034331441.1 40.7 177
 100 3 22 195 45 219 1.90E-29 137.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012551 29159 116.7 UdeM00000012551 XP_034339171.1 34.4 186
 109 5 1 174 452 636 3.00E-23 116.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012552 29159 84 UdeM00000012552 XP_034331441.1 41.8 110
 57 3 1 104 722 830 1.40E-13 84 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012553 6526 143.3 UdeM00000012553 XP_013086474.1 42.6 169
 91 2 58 221 28 195 3.80E-31 143.3 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000012554 29159 164.5 UdeM00000012554 XP_011435143.2 33.3 270
 169 4 2 264 117 382 1.90E-37 164.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012555 6579 408.7 UdeM00000012555 XP_033743085.1 50 378
 184 3 71 444 321 697 9.80E-111 408.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012556 6579 90.1 UdeM00000012556 XP_033727573.1 30.5 190
 114 4 13 185 45 233 6.00E-15 90.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012558 6596 248.1 UdeM00000012558 XP_045172014.1 50.1 419
 141 7 1 380 1 390 1.90E-62 248.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012561 29159 1064.3 UdeM00000012561 XP_011449176.2 74.1
854 212 6 1 849 1 850 8.20E-308 1064.3
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012562 64144 272.3 UdeM00000012562 XP_026199060.1 70.1 187
56 0 33 219 45 231 5.40E-70 272.3 64144 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Anabantaria;Anabantiformes;Anabantoidei;Anabantidae;Anabas;Anabas testudineus

UdeM00000012563 225164 384 UdeM00000012563 XP_009052010.1 50.4
381 178 3 6 385 2 372 2.30E-103 384 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000012564 6596 1518.4 UdeM00000012564 XP_045179737.1 69
1046 302 6 11 1055 10 1034 0.00E+00 1518.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012565 6573 282.7 UdeM00000012565 XP_021365984.1 44.4 342
153 4 36 373 32 340 6.80E-73 282.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012566 6596 271.2 UdeM00000012566 XP_045201671.1 62.3 207
77 1 41 246 35 241 1.40E-69 271.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012567 29159 757.7 UdeM00000012567 XP_034312821.1 35.8 1818
1023 38 524 2263 206 1957 4.30E-215 757.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012568 1735272 334.3 UdeM00000012568 XP_041378518.1 49.6
740 359 9 29 766 433 1160 4.00E-88 334.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012569 103695 443.7 UdeM00000012569 XP_020662684.1 35.4
854 485 20 875 1680 331 1165 1.00E-120 443.7 103695
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Iguania;Acrod
onta;Agamidae;Amphibolurinae;Pogona;Pogona vitticeps

UdeM00000012570 29159 157.9 UdeM00000012570 XP_034312821.1 53.6 140
64 1 1 139 1818 1957 9.90E-36 157.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012571 29159 365.5 UdeM00000012571 XP_034312821.1 45.5 761
387 11 21 759 1203 1957 1.60E-97 365.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012574 6596 332 UdeM00000012574 XP_045165243.1 84.3 204
32 0 267 470 248 451 1.20E-87 332 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012573 6596 332 UdeM00000012573 XP_045165243.1 84.3 204
32 0 272 475 248 451 1.20E-87 332 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012575 6596 332 UdeM00000012575 XP_045165243.1 84.3 204
32 0 305 508 248 451 1.30E-87 332 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012576 6596 424.1 UdeM00000012576 XP_045174021.1 86.5 237
32 0 1 237 1 237 1.20E-115 424.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012578 400727 211.5 UdeM00000012578 XP_025091148.1 52.1
213 97 1 11 218 7 219 1.10E-51 211.5 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000012579 6596 519.2 UdeM00000012579 XP_045171252.1 80.1 296
58 1 17 312 42 336 4.20E-144 519.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012580 29159 441 UdeM00000012580 XP_011427392.2 51.5 433
 197 8 55 482 66 490 1.90E-120 441 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012581 6573 400.6 UdeM00000012581 XP_021346678.1 47.7 436
 218 7 12 441 111 542 2.60E-108 400.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012582 29159 159.5 UdeM00000012582 XP_011435497.2 26.3 460
 296 11 26 453 8 456 1.00E-35 159.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012583 1735272 302 UdeM00000012583 XP_041350277.1 83.9
 161 26 0 23 183 339 499 5.30E-79 302 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012584 6573 65.5 UdeM00000012584 XP_021346686.1 55.4 65
 27 2 4 67 7 70 4.70E-08 65.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012585 6579 217.2 UdeM00000012585 XP_033748577.1 36.1 523
 247 18 17 497 107 584 8.00E-53 217.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012586 6596 978.4 UdeM00000012586 XP_045165411.1 78.7 635
 99 2 6 604 4 638 4.10E-282 978.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012587 6596 1016.9 UdeM00000012587 XP_045165411.1 80.9
 635 119 2 6 638 4 638 1.10E-293 1016.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012588 6596 1011.5 UdeM00000012588 XP_045165411.1 80.9
 635 119 2 6 638 4 638 4.60E-292 1011.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012589 6596 1021.1 UdeM00000012589 XP_045165411.1 81.4
 635 116 2 6 638 4 638 5.90E-295 1021.1 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012590 6596 1018.5 UdeM00000012590 XP_045165411.1 81.1
635 118 2 6 638 4 638 3.80E-294 1018.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012591 6596 1016.9 UdeM00000012591 XP_045165411.1 81.1
635 118 2 6 638 4 638 1.10E-293 1016.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012592 6596 963.8 UdeM00000012592 XP_045165411.1 77.4 638
136 4 6 638 4 638 1.10E-277 963.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012594 224129 560.1 UdeM00000012594 XP_018332229.1 85.6
327 45 1 1 327 1 325 1.90E-156 560.1 224129
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Buprestoidea;Buprestidae;Agrilinae;Agrilus;Agrilus planipennis

UdeM00000012595 6596 417.9 UdeM00000012595 XP_045165401.1 75.1 285
69 2 1 283 354 638 1.00E-113 417.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012596 6596 1021.1 UdeM00000012596 XP_045165411.1 81.4
635 116 2 6 638 4 638 5.90E-295 1021.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012597 6596 286.6 UdeM00000012597 XP_045173340.1 72.9 218
59 0 1 218 1 218 2.80E-74 286.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012598 6596 1064.3 UdeM00000012598 XP_045173339.1 48.1
1383 562 23 8 1346 5 1275 1.30E-307 1064.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012599 6596 221.1 UdeM00000012599 XP_045173590.1 65.8 152
52 0 1 152 401 552 9.80E-55 221.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012600 133434 120.2 UdeM00000012600 XP_022111697.1 63.6
88 32 0 146 233 134 221 3.60E-24 120.2 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000012601 6596 573.9 UdeM00000012601 XP_045173590.1 65.7 405
127 3 1 402 1 396 1.60E-160 573.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012602 6579 211.8 UdeM00000012602 XP_033748291.1 34.9 539
283 14 1 487 18 540 1.90E-51 211.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012603 6565 444.1 UdeM00000012603 XP_022338576.1 53.6 405
185 3 33 435 53 456 2.10E-121 444.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012604 6573 662.5 UdeM00000012604 XP_021366493.1 35 1144
661 31 5 1103 778 1883 9.40E-187 662.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012605 6596 280.4 UdeM00000012605 XP_045183440.1 43.3 353
154 4 44 354 32 380 4.00E-72 280.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012606 6565 441.8 UdeM00000012606 XP_022338576.1 53.1 405
187 3 33 435 53 456 1.10E-120 441.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012607 6596 186.8 UdeM00000012607 XP_045171967.1 33.2 349
196 7 1 318 1 343 4.30E-44 186.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012608 6573 154.5 UdeM00000012608 XP_021345245.1 32.5 292
 177 6 1 280 1 284 2.10E-34 154.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012609 6596 95.1 UdeM00000012609 XP_045171464.1 35.9 192
 115 5 153 342 171 356 2.10E-16 95.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012610 6596 430.6 UdeM00000012610 XP_045171465.1 40.3 1365
 560 27 40 1289 389 1613 6.80E-117 430.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012611 6596 455.7 UdeM00000012611 XP_045172838.1 41.4 585
 313 15 1 564 28 603 9.40E-125 455.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012613 6500 129 UdeM00000012613 XP_012935876.1 43.3 141
 77 1 3 140 187 327 5.00E-27 129 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000012612 225164 177.2 UdeM00000012612 XP_009055553.1 39.4
 198 116 2 68 261 108 305 2.90E-41 177.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000012614 225164 231.1 UdeM00000012614 XP_009055553.1 38.3
 282 155 4 68 337 108 382 2.10E-57 231.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000012615 1735272 232.6 UdeM00000012615 XP_041356773.1 40.1
 289 165 6 66 346 86 374 7.30E-58 232.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012616 225164 209.5 UdeM00000012616 XP_009055553.1 39.4
 254 141 4 1 245 133 382 4.90E-51 209.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000012617 225164 201.8 UdeM00000012617 XP_009055553.1 38.7
 261 146 5 17 268 127 382 1.10E-48 201.8 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000012618 225164 228.8 UdeM00000012618 XP_009055553.1 38
297 163 5 55 337 93 382 1.10E-56 228.8 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000012619 1735272 211.5 UdeM00000012619 XP_041356773.1 40.4
260 149 5 1 254 115 374 1.30E-51 211.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000012622 1735272 63.9 UdeM00000012622 XP_041356773.1 39.3
89 51 3 1 86 286 374 1.10E-07 63.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000012623 6565 133.3 UdeM00000012623 XP_022324535.1 37.1 175
102 4 3 171 190 362 3.10E-28 133.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012621 6565 231.9 UdeM00000012621 XP_022324535.1 40.6 271
153 4 74 338 94 362 1.30E-57 231.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012624 6596 342 UdeM00000012624 XP_045172449.1 76.2 223
52 1 215 436 15 237 1.10E-90 342 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012626 6596 422.2 UdeM00000012626 XP_045172438.1 55.2 516
144 10 1 438 1105 1611 8.30E-115 422.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012627 6596 136.3 UdeM00000012627 XP_045172189.1 58.8 182
75 0 137 318 12 193 6.70E-29 136.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012628 6573 88.2 UdeM00000012628 XP_021364802.1 33.6 262
171 2 59 320 5 263 2.10E-14 88.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000012629 29159 251.5 UdeM00000012629 XP_011422557.1 77.2 162
36 1 26 187 22 182 8.30E-64 251.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000012630 6596 250.4 UdeM00000012630 XP_045172387.1 45.8 297
138 7 33 311 38 329 3.20E-63 250.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000012631 6596 98.2 UdeM00000012631 XP_045172387.1 64.6 65
23 0 4 68 329 393 4.70E-18 98.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000012632 7913 132.9 UdeM00000012632 XP_041115007.1 28.3 364
222 12 6 368 8 333 9.20E-28 132.9 7913 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Chondrostei; Acipenseriformes; Acipenseroidei; Polyod
ontidae; Polyodontinae; Polyodontini; Polyodon; Polyodon spathula
UdeM00000012635 6573 123.6 UdeM00000012635 XP_021356047.1 46.9 130
68 1 25 153 149 278 2.10E-25 123.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000012634 6573 123.6 UdeM00000012634 XP_021356047.1 46.9 130
68 1 77 205 149 278 2.90E-25 123.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000012636 45264 470.7 UdeM00000012636 XP_044165143.1 54.7 428
187 4 42 466 35 458 2.20E-129 470.7 45264 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora
millepora
UdeM00000012637 29159 105.5 UdeM00000012637 XP_034312519.1 64.3 84
30 0 2 85 228 311 4.10E-20 105.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000012638 7913 125.6 UdeM00000012638 XP_041115007.1 30.5 233
146 7 2 234 4 220 8.80E-26 125.6 7913 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Chondrostei; Acipenseriformes; Acipenseroidei; Polyod
ontidae; Polyodontinae; Polyodontini; Polyodon; Polyodon spathula
UdeM00000012640 6596 134.4 UdeM00000012640 XP_045184114.1 20.8 792
573 20 151 932 299 1046 1.10E-27 134.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012641 6596 84 UdeM00000012641 XP_045202576.1 57.7 78
26 1 10 80 137 214 2.10E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012642 6596 88.6 UdeM00000012642 XP_045202576.1 56 91
32 2 1 83 124 214 8.60E-15 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012643 6596 242.7 UdeM00000012643 XP_045206316.1 50.6 241
118 1 32 271 84 324 5.60E-61 242.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012645 6596 84 UdeM00000012645 XP_045202576.1 57.7 78
26 1 10 80 137 214 2.10E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012644 6596 88.6 UdeM00000012644 XP_045202576.1 56 91
32 2 1 83 124 214 8.60E-15 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012646 6596 216.5 UdeM00000012646 XP_045206316.1 51.2 217
104 2 11 225 108 324 3.50E-53 216.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012647 6596 160.6 UdeM00000012647 XP_045192981.1 21.8 1139
724 37 282 1383 157 1165 1.40E-35 160.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012648 6596 184.9 UdeM00000012648 XP_045192981.1 21.7 1146
749 37 349 1443 210 1258 7.60E-43 184.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012649 6565 60.1 UdeM00000012649 XP_022290339.1 35.4 96
61 1 31 125 39 134 3.10E-06 60.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000012650 7739 354.4 UdeM00000012650 XP_035696678.1 52.2 322
151 1 377 695 582 903 3.50E-94 354.4 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
anchiostoma; Branchiostoma floridae
UdeM00000012651 6596 172.9 UdeM00000012651 XP_045192981.1 21.3 1271
829 40 34 1219 255 1439 2.50E-39 172.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000012652 8078 62.8 UdeM00000012652 XP_035990535.1 47.5 59
29 1 7 65 2 58 2.20E-07 62.8 8078 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Atherinomorphae; Cyp
rinodontiformes; Cyprinodontoidei; Fundulidae; Fundulus; Fundulus
heteroclitus
UdeM00000012653 1676925 177.9 UdeM00000012653 XP_023657625.1 43.8
224 119 2 2 224 99 316 1.40E-41 177.9 1676925
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Osteoglo
ssocephala; Osteoglossomorpha; Osteoglossiformes; Mormyridae; Paramormyrops; P
aramormyrops kingsleyae
UdeM00000012654 400682 119 UdeM00000012654 XP_003390251.1 36
214 121 4 12 221 432 633 7.60E-24 119 400682
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Porifera; Demospongiae; Heteroscle
romorpha; Haplosclerida; Niphatidae; Amphimedon; Amphimedon queenslandica
UdeM00000012655 7574 141.7 UdeM00000012655 XP_013388573.1 37.2 234
128 7 96 327 349 565 1.70E-30 141.7 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
guloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000012656 29159 94.7 UdeM00000012656 XP_034331441.1 43.1 109
62 0 1 109 1 109 7.80E-17 94.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000012657 63155 110.2 UdeM00000012657 XP_030608364.1 37.1 167
85 8 5 170 8 155 2.80E-21 110.2 63155 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Cichlomorphae; Cichl
iformes; Cichlidae; New World
cichlids; Cichlasomatinae; Heroini; Archocentrus; Archocentrus centrarchus

UdeM00000012658 6596 127.1 UdeM00000012658 XP_045180427.1 33.6 274
 127 4 1 220 1 273 3.00E-26 127.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012659 225164 186.8 UdeM00000012659 XP_009051619.1 35.2
 315 192 3 7 312 710 1021 4.20E-44 186.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000012660 6573 115.2 UdeM00000012660 XP_021357887.1 30.9 288
 109 4 21 307 26 224 1.50E-22 115.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012661 6596 252.7 UdeM00000012661 XP_045202652.1 37.4 385
 138 6 10 295 187 567 6.10E-64 252.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012662 29159 157.1 UdeM00000012662 XP_034318677.1 43.1 225
 104 7 1 215 68 278 2.50E-35 157.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012663 6596 131.7 UdeM00000012663 XP_045215232.1 28.6 308
 69 2 6 162 160 467 9.90E-28 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012664 6596 181 UdeM00000012664 XP_045192981.1 21.2 1259
 869 36 349 1577 210 1375 1.20E-41 181 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012666 6596 153.7 UdeM00000012666 XP_045192981.1 26.1 532
 354 14 285 810 158 656 1.40E-33 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012667 6596 168.7 UdeM00000012667 XP_045192981.1 20.9 1199
 809 39 168 1327 255 1353 5.00E-38 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012668 6596 84 UdeM00000012668 XP_045202576.1 57.7 78
 26 1 10 80 137 214 2.10E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012669 6596 88.6 UdeM00000012669 XP_045202576.1 56 91
32 2 1 83 124 214 8.60E-15 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012670 6596 218 UdeM00000012670 XP_045206316.1 50.7 217
106 1 11 226 108 324 1.20E-53 218 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012671 6596 176.4 UdeM00000012671 XP_045192981.1 21.1 1271
873 36 402 1607 252 1457 3.30E-40 176.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012672 1735272 462.6 UdeM00000012672 XP_041348132.1 41.6
668 363 10 3 660 19 669 8.30E-127 462.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012673 1735272 429.9 UdeM00000012673 XP_041348132.1 37.3
745 363 11 3 737 19 669 6.70E-117 429.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012674 6596 343.2 UdeM00000012674 XP_045157219.1 41.4 485
261 6 1 472 1 475 6.20E-91 343.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012676 1735272 84 UdeM00000012676 XP_041374253.1 24.9
197 147 1 1 196 95 291 1.00E-12 84 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012677 7741 204.9 UdeM00000012677 XP_019640655.1 50.5 196
95 2 1 195 38 232 9.30E-50 204.9 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000012679 6596 1251.5 UdeM00000012679 XP_045173723.1 87.2
836 103 3 9 843 6 838 0.00E+00 1251.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012680 6579 401.4 UdeM00000012680 XP_033747707.1 60.1 308
122 1 76 382 162 469 1.30E-108 401.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012681 6579 401.4 UdeM00000012681 XP_033747707.1 60.1 308
122 1 88 394 162 469 1.40E-108 401.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012682 29159 96.3 UdeM00000012682 XP_011449481.2 52.7 112
41 4 197 298 177 286 7.20E-17 96.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012683 225164 143.7 UdeM00000012683 XP_009053751.1 39.3
229 127 5 4 223 3 228 3.00E-31 143.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000012684 6500 126.3 UdeM00000012684 XP_005100292.1 38.5 205
105 5 30 230 64 251 6.00E-26 126.3 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000012685 6596 482.6 UdeM00000012685 XP_045173676.1 83.3 281
46 1 1 281 1 280 3.30E-133 482.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012686 400727 406.8 UdeM00000012686 XP_025090191.1 93.3
208 14 0 50 257 6 213 2.10E-110 406.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000012688 6596 151.8 UdeM00000012688 XP_045173197.1 68 122
33 1 1 116 1 122 6.10E-34 151.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012687 6596 448.4 UdeM00000012687 XP_045173196.1 89.4 263
28 0 1 263 1 263 7.10E-123 448.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012689 6596 147.9 UdeM00000012689 XP_045173196.1 97.5 80
 2 0 1 80 185 264 7.30E-33 147.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012690 6596 501.9 UdeM00000012690 XP_045171052.1 60.7 428
 168 0 137 564 82 509 1.10E-138 501.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012691 6596 515.8 UdeM00000012691 XP_045171052.1 60.8 439
 172 0 137 575 82 520 7.80E-143 515.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012692 6596 233.4 UdeM00000012692 XP_045171594.1 32.7 762
 380 29 1 702 35 723 8.70E-58 233.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012693 6565 176 UdeM00000012693 XP_022344363.1 58.4 137
 57 0 1 137 1 137 3.30E-41 176 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012694 6596 169.5 UdeM00000012694 XP_045173276.1 60.2 118
 47 0 26 143 24 141 3.20E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012695 6579 255.8 UdeM00000012695 XP_033748071.1 45.6 272
 143 4 8 278 7 274 6.50E-65 255.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012696 6579 720.3 UdeM00000012696 XP_033748016.1 73.1 469
 123 2 5 470 5 473 1.60E-204 720.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012697 29159 433.7 UdeM00000012697 XP_034338747.1 71.2 285
 78 2 3 284 2 285 1.80E-118 433.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012698 29159 126.7 UdeM00000012698 XP_011424388.2 34.6 182
 119 0 2 183 164 345 3.10E-26 126.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012699 6579 387.1 UdeM00000012699 XP_033747846.1 48.8 363
186 0 33 395 14 376 2.70E-104 387.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012701 6596 834.7 UdeM00000012701 XP_045171917.1 74.5 533
136 0 2 534 14 546 6.60E-239 834.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012700 6596 904.4 UdeM00000012700 XP_045171917.1 68.3 646
199 3 2 647 14 653 8.10E-260 904.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012702 6596 854.4 UdeM00000012702 XP_045171917.1 67.7 617
192 2 3 619 44 653 9.20E-245 854.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012703 6573 223 UdeM00000012703 XP_021358194.1 37.6 303
174 5 14 304 7 306 5.10E-55 223 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012704 6573 167.9 UdeM00000012704 XP_021358194.1 38.7 225
126 3 1 216 85 306 1.40E-38 167.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012705 6579 681 UdeM00000012705 XP_033747393.1 78.2 417
87 2 15 427 388 804 9.60E-193 681 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012706 6596 386.7 UdeM00000012706 XP_045172135.1 64.2 302
104 3 1 300 1 300 2.60E-104 386.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012707 6573 121.7 UdeM00000012707 XP_021374752.1 43.4 143
74 2 6 141 5 147 7.60E-25 121.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012708 6565 633.6 UdeM00000012708 XP_022339665.1 55.1 630
195 12 6 615 4 565 2.50E-178 633.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012709 6579 302 UdeM00000012709 XP_033748575.1 48.5 324
152 6 15 332 608 922 9.70E-79 302 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012710 400727 375.9 UdeM00000012710 XP_025090767.1 42.7
468 203 8 34 495 113 521 7.80E-101 375.9 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000012711 6596 1419.1 UdeM00000012711 XP_045172712.1 62.7
1158 364 7 2 1150 43 1141 0.00E+00 1419.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012712 6596 159.1 UdeM00000012712 XP_045172715.1 81.3 134
25 0 3 136 7 140 4.10E-36 159.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012713 6573 257.7 UdeM00000012713 XP_021362193.1 55 251
84 5 1 224 1 249 1.50E-65 257.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012714 6596 640.2 UdeM00000012714 XP_045158673.1 59.3 511
198 6 47 555 46 548 2.50E-180 640.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012715 6573 658.7 UdeM00000012715 XP_021362192.1 57.9 534
210 8 27 554 29 553 6.80E-186 658.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012716 6596 276.2 UdeM00000012716 XP_045158673.1 70.9 175
50 1 4 177 370 544 3.20E-71 276.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012717 6596 508.1 UdeM00000012717 XP_045171932.1 80.3 304
60 0 5 308 866 1169 8.10E-141 508.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012718	6596	1069.3	UdeM00000012718	XP_045171932.1	43.1
1474	228	2	58	1531	11
			873	0.00E+00	1069.3
cellular					6596
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000012719	6596	294.3	UdeM00000012719	XP_045173620.1	40.5
238	15	91	582	14	467
			3.50E-76	294.3	6596
cellular					
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000012721	6596	124.8	UdeM00000012721	XP_045174016.1	50.3
76	2	18	186	20	183
			6.10E-25	124.8	6596
cellular					
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000012720	6596	126.3	UdeM00000012720	XP_045174017.1	49.4
80	2	8	181	3	171
			2.10E-25	126.3	6596
cellular					
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000012722	6596	233.4	UdeM00000012722	XP_045174019.1	52.3
90	1	1	195	1	192
			2.50E-58	233.4	6596
cellular					
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000012723	6596	228	UdeM00000012723	XP_045173113.1	50
45	3	5	161	22	242
			8.60E-57	228	6596
cellular					
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria					
UdeM00000012724	37653	68.6	UdeM00000012724	XP_014773118.1	56.2
24	2	71	133	27	87
			7.10E-09	68.6	37653
cellular					
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides					
UdeM00000012726	6565	69.7	UdeM00000012726	XP_022340599.1	26.4
155	4	44	270	43	262
			6.50E-09	69.7	6565
cellular					
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica					
UdeM00000012725	6579	138.3	UdeM00000012725	XP_033747586.1	27.6
253	5	7	368	4	365
			2.00E-29	138.3	6579
cellular					
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus					
UdeM00000012727	6565	58.9	UdeM00000012727	XP_022322825.1	40.3
42	1	39	109	381	452
			5.00E-06	58.9	6565
cellular					

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012728 6565 228.4 UdeM00000012728 XP_022336729.1 51.5 260
99 5 5 264 4 236 1.10E-56 228.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012729 6573 1236.9 UdeM00000012729 XP_021373101.1 49.4
1343 612 10 3 1293 109 1435 0.00E+00 1236.9 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000012731 6596 141 UdeM00000012731 XP_045172965.1 36.9 295
131 9 28 319 176 418 3.10E-30 141 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000012732 225164 65.9 UdeM00000012732 XP_009045146.1 25.5
593 285 22 187 750 161 625 4.40E-07 65.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
UdeM00000012733 6565 234.2 UdeM00000012733 XP_022344216.1 41.2 872
478 15 85 943 752 1601 6.90E-58 234.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000012734 6596 243.4 UdeM00000012734 XP_045173958.1 61.8 199
74 2 37 234 631 828 2.80E-61 243.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000012735 6596 250.8 UdeM00000012735 XP_045173958.1 60.1 213
78 3 70 281 622 828 2.10E-63 250.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000012736 6579 236.9 UdeM00000012736 XP_033748567.1 38.4 406
190 10 2 384 8 376 5.00E-59 236.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012737 6579 236.9 UdeM00000012737 XP_033748567.1 38.4 406
190 10 2 384 8 376 5.20E-59 236.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012738 6596 111.7 UdeM00000012738 XP_045173952.1 38.6 223
 108 7 1 212 71 275 1.20E-21 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012739 1735272 4602.7 UdeM00000012739 XP_041349285.1
 94.3 2367 129 2 1 2366 1 2363 0.00E+00 4602.7
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000012740 8407 78.2 UdeM00000012740 XP_040177830.1 44.2 113
 51 6 29 131 366 476 3.60E-11 78.2 8407 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Ranoidea;Ranidae;Rana;Rana;Rana temporaria
 UdeM00000012741 6596 111.3 UdeM00000012741 XP_045182968.1 35.3 139
 89 1 70 208 334 471 1.60E-21 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012742 6596 161.4 UdeM00000012742 XP_045206316.1 33 276
 165 5 25 286 100 369 1.70E-36 161.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012743 6596 141.7 UdeM00000012743 XP_045196272.1 32.9 283
 172 7 2 272 352 628 1.50E-30 141.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012750 6579 137.5 UdeM00000012750 XP_033758185.1 40.3 201
 86 5 171 371 5 171 3.50E-29 137.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012751 6596 134.8 UdeM00000012751 XP_045177816.1 59.5 121
 46 1 1 121 391 508 7.30E-29 134.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012753 6596 174.9 UdeM00000012753 XP_045172844.1 51.2 170
 75 4 1 166 1 166 8.80E-41 174.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012754 6596 92.8 UdeM00000012754 XP_045214032.1 21.4 570
 369 18 145 681 36 559 2.70E-15 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012758 6596 117.9 UdeM00000012758 XP_045157636.1 26.2 366
 252 9 424 780 1 357 6.20E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012759 6596 117.9 UdeM00000012759 XP_045157636.1 26.2 366
 252 9 424 780 1 357 9.90E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012761 6573 231.9 UdeM00000012761 XP_021343061.1 37.3 295
 180 3 2 295 3 293 1.10E-57 231.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012762 6596 185.3 UdeM00000012762 XP_045173115.1 38.6 228
 138 1 1 226 67 294 9.20E-44 185.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012763 6596 172.6 UdeM00000012763 XP_045172907.1 35.9 262
 158 5 1 258 1 256 6.70E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012764 6596 86.7 UdeM00000012764 XP_045172907.1 40.2 132
 69 5 1 128 1 126 2.60E-14 86.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043503 6596 352.8 UdeM00000043503 XP_045170511.1 29.5 818
 476 27 337 1086 97 881 1.80E-93 352.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043505 6596 348.6 UdeM00000043505 XP_045170511.1 29.7 752
 438 23 15 710 213 929 2.30E-92 348.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031280 225164 98.6 UdeM00000031280 XP_009054455.1 20.7
 468 343 7 1 463 95 539 2.30E-17 98.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031281 225164 98.6 UdeM00000031281 XP_009054455.1 20.7
 468 343 7 1 463 95 539 2.30E-17 98.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031282 225164 98.6 UdeM00000031282 XP_009054455.1 20.7
 468 343 7 1 463 95 539 2.30E-17 98.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031283 225164 98.6 UdeM00000031283 XP_009054455.1 20.7
 468 343 7 1 463 95 539 2.30E-17 98.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031285 6573 85.5 UdeM00000031285 XP_021346266.1 37.1 132
 77 3 6 134 27 155 2.60E-13 85.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031286 6573 543.9 UdeM00000031286 XP_021352116.1 65.5 426
 119 5 1 424 1 400 1.80E-151 543.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031287 6596 2367.8 UdeM00000031287 XP_045204208.1 49.5
 2940 1198 60 1 2822 14 2783 0.00E+00 2367.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031288 6596 388.7 UdeM00000031288 XP_045204693.1 59.2 341
 115 5 1 323 568 902 1.00E-104 388.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031289 1735272 161.4 UdeM00000031289 XP_041359345.1 63.9
 122 44 0 3 124 444 565 1.20E-36 161.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031291 6596 362.1 UdeM00000031291 XP_045204696.1 47.7 413
 185 7 24 412 28 433 1.00E-96 362.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031290 6596 364.8 UdeM00000031290 XP_045204696.1 48.4 401
 180 6 49 425 36 433 1.60E-97 364.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031293 6565 374 UdeM00000031293 XP_022327428.1 47.2 422
 216 5 24 440 7 426 2.60E-100 374 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031292 6565 374 UdeM00000031292 XP_022327428.1 47.2 422
 216 5 33 449 7 426 2.70E-100 374 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031294 6579 911.8 UdeM00000031294 XP_033742990.1 69.5 622
 188 1 1 622 1 620 4.90E-262 911.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031295 1735272 139.8 UdeM00000031295 XP_041358868.1 71.4
 91 26 0 4 94 2 92 1.80E-30 139.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031296 6596 321.2 UdeM00000031296 XP_045203143.1 53.9 256
 114 4 1 254 1 254 1.20E-84 321.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031297 6596 166.4 UdeM00000031297 XP_045203143.1 60 120
 46 2 1 119 1 119 2.40E-38 166.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031298 29159 73.2 UdeM00000031298 XP_019926167.2 45.2 93
 45 2 1 92 282 369 3.10E-10 73.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031299 6596 113.6 UdeM00000031299 XP_045206618.1 45.5 145
 69 4 48 190 252 388 3.00E-22 113.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031300 6596 310.1 UdeM00000031300 XP_045203527.1 49.2 333
 162 2 21 346 14 346 3.70E-81 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031301 6596 320.5 UdeM00000031301 XP_045203527.1 52.5 303
 144 0 44 346 44 346 2.70E-84 320.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031302 6596 70.1 UdeM00000031302 XP_045203527.1 48.7 78
 38 1 24 101 25 100 2.10E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031303 6596 127.5 UdeM00000031303 XP_045203527.1 50.8 124
 55 2 1 118 226 349 1.10E-26 127.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031305 6596 345.9 UdeM00000031305 XP_045203528.1 55 338
 129 6 1 335 352 669 5.80E-92 345.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031304 6596 555.1 UdeM00000031304 XP_045203530.1 57 532
 192 9 9 530 58 562 1.00E-154 555.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044441 42514 136.3 UdeM00000044441 XP_037403362.1 51.1 135
 58 3 9 138 72 203 3.10E-29 136.3 42514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiformes;Characo
 idei;Serrasalminae;Pygocentrus;Pygocentrus nattereri
 UdeM00000011091 6573 140.2 UdeM00000011091 XP_021356527.1 37.7 207
 126 3 35 241 34 237 4.30E-30 140.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011092 6565 108.6 UdeM00000011092 XP_022299405.1 38.7 163
 99 1 19 181 197 358 1.10E-20 108.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
 eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000011093 29144 132.1 UdeM00000011093 XP_030636303.1 39.3 211
 117 5 17 225 7 208 1.20E-27 132.1 29144 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
 nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
 phala; Otomorpha; Ostariophysi; Anotophysii; Gonorynchiformes; Chanoidei; Chanid
 ae; Chanos; Chanos chanos
 UdeM00000011094 6596 162.9 UdeM00000011094 XP_045172301.1 25.9 664
 376 26 6 645 399 970 1.80E-36 162.9 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000011095 6596 189.1 UdeM00000011095 XP_045172301.1 25.7 820
 494 30 459 1255 367 1094 3.70E-44 189.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000011096 1735272 694.9 UdeM00000011096 XP_041368128.1 53.1
 734 327 6 47 767 1 730 1.20E-196 694.9 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000011099 6579 434.5 UdeM00000011099 XP_033732454.1 66.6 302
 101 0 1 302 28 329 1.10E-118 434.5 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000011100 6579 179.1 UdeM00000011100 XP_033732457.1 83.2 113
 19 0 14 126 19 131 3.60E-42 179.1 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000011101 6579 375.2 UdeM00000011101 XP_033727585.1 34.6 615
 316 10 96 707 80 611 1.90E-100 375.2 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000011102 6596 313.9 UdeM00000011102 XP_045189007.1 34.9 548
 320 15 2 524 66 601 3.90E-82 313.9 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000011107 6596 490.7 UdeM00000011107 XP_045211522.1 33.9 924
 507 28 27 884 2143 3028 3.90E-135 490.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria

UdeM00000011108 6596 510.8 UdeM00000011108 XP_045211522.1 33 1019
 574 33 17 966 2050 3028 4.10E-141 510.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011109 6579 209.1 UdeM00000011109 XP_033745542.1 39.3 285
 152 10 27 301 30 303 8.40E-51 209.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011114 6579 182.2 UdeM00000011114 XP_033745542.1 42.7 225
 116 8 7 226 66 282 9.30E-43 182.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011115 6573 146 UdeM00000011115 XP_021365342.1 38.8 260
 131 12 32 282 12 252 7.50E-32 146 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011116 6596 405.6 UdeM00000011116 XP_045211522.1 33.2 738
 399 20 77 756 2347 3048 1.40E-109 405.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011117 6596 1394 UdeM00000011117 XP_045198724.1 54.7 1290
 484 8 294 1494 2 1279 0.00E+00 1394 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011118 6565 537.7 UdeM00000011118 XP_022320952.1 66.5 522
 134 10 4 508 12 509 2.10E-149 537.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011119 6596 218.8 UdeM00000011119 XP_045156575.1 73.2 183
 40 2 12 185 268 450 7.00E-54 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011120 6596 141 UdeM00000011120 XP_045184655.1 32.3 260
 174 2 1 259 76 334 2.20E-30 141 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011121 6596 149.8 UdeM00000011121 XP_045184655.1 33.1 260
 171 3 1 258 76 334 4.70E-33 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011122 6526 176.4 UdeM00000011122 XP_013073891.1 32.9 337
 210 4 41 377 74 394 6.80E-41 176.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biophalaria;Biophalaria
 glabrata
 UdeM00000011123 6596 177.2 UdeM00000011123 XP_045202507.1 43.2 227
 108 5 3 208 7 233 2.20E-41 177.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011124 29159 149.8 UdeM00000011124 XP_011445270.2 46.5 159
 80 1 33 186 360 518 3.50E-33 149.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011125 6573 337.8 UdeM00000011125 XP_021362376.1 69.8 235
 71 0 4 238 9 243 1.10E-89 337.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011126 6596 569.3 UdeM00000011126 XP_045192713.1 93.7 301
 19 0 1 301 1 301 2.90E-159 569.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011127 6596 119.8 UdeM00000011127 XP_045180427.1 46.3 177
 92 2 76 250 98 273 5.30E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011128 90988 112.5 UdeM00000011128 XP_039529744.1 38 137
 84 1 6 141 387 523 4.70E-22 112.5 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 ideii;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
 UdeM00000011129 6596 585.5 UdeM00000011129 XP_045192713.1 95.1 288
 14 0 7 294 301 588 3.80E-164 585.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011130 29159 72.8 UdeM00000011130 XP_019926413.2 86.5 37
 5 0 1 37 292 328 1.90E-10 72.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011131 6579 84.3 UdeM00000011131 XP_033750975.1 53.6 69
 31 1 78 145 440 508 1.40E-13 84.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011132 6596 163.7 UdeM00000011132 XP_045170628.1 54.6 130
 59 0 1 130 27 156 1.70E-37 163.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011133 29159 72 UdeM00000011133 XP_034324494.1 38.8 85
 52 0 52 136 165 249 8.20E-10 72 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011134 6596 350.5 UdeM00000011134 XP_045190171.1 31.1 1110
 589 34 1 979 1 1065 6.90E-93 350.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011135 6579 841.6 UdeM00000011135 XP_033728893.1 59.1 787
 294 10 50 816 40 818 8.10E-241 841.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011138 50390 66.6 UdeM00000011138 XP_028143308.1 39.5 76
 46 0 1 76 59 134 1.90E-08 66.6 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000011139 224129 106.3 UdeM00000011139 XP_025834090.1 52.4
 103 43 1 5 101 663 765 2.70E-20 106.3 224129
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Buprestoidea;Buprestidae;Agrilinae;Agrilus;Agrilus planipennis
 UdeM00000011140 6579 3773.8 UdeM00000011140 XP_033760673.1 58
 3553 1236 59 1 3408 1 3441 0.00E+00 3773.8 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011141 6596 4155.9 UdeM00000011141 XP_045191928.1 87.5
 2447 299 3 1 2440 1 2447 0.00E+00 4155.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011142 6573 167.5 UdeM00000011142 XP_021352012.1 28 542
 322 13 10 501 6 529 4.20E-38 167.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011143 1735272 176.8 UdeM00000011143 XP_041369436.1 40.7
 204 120 1 52 255 10 212 3.60E-41 176.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pelto-
 spiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011144 6596 647.1 UdeM00000011144 XP_045194772.1 44.9 744
 348 12 3 694 12 745 2.60E-182 647.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhetero-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria
 a mercenaria
 UdeM00000011145 37653 63.9 UdeM00000011145 XP_014783575.1 48.1 54
 28 0 43 96 43 96 1.50E-07 63.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octo-
 poda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000011146 6573 71.6 UdeM00000011146 XP_021362152.1 49.3 69
 35 0 20 88 29 97 6.40E-10 71.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011149 6573 150.6 UdeM00000011149 XP_021380258.1 62.9 105
 38 1 2 105 1440 1544 1.10E-33 150.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011150 6596 1236.5 UdeM00000011150 XP_045189154.1 50
 1332 639 18 224 1538 13 1334 0.00E+00 1236.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhetero-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria
 a mercenaria
 UdeM00000011151 29159 526.2 UdeM00000011151 XP_011438047.2 48.5 540
 259 10 14 538 23 558 6.70E-146 526.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostre-
 ida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011152 29159 506.1 UdeM00000011152 XP_011438047.2 44.5 589
 303 11 10 579 9 592 7.00E-140 506.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostre-
 ida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011153 37653 355.5 UdeM00000011153 XP_014769846.1 91.4 187
 16 0 1 187 1 187 4.20E-95 355.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000011154 29159 474.2 UdeM00000011154 XP_034334367.1 47.2 521
187 6 6 440 126 644 1.90E-130 474.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000011155 29159 125.6 UdeM00000011155 XP_011451530.1 48 125
62 2 69 190 74 198 7.00E-26 125.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000011158 225164 75.1 UdeM00000011158 XP_009056751.1 51.2
82 38 2 1 82 372 451 7.60E-11 75.1 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiidae; Lottia; Lottia gigantea

UdeM00000011159 6596 125.2 UdeM00000011159 XP_045170628.1 54.5 99
45 0 1 99 1 99 5.80E-26 125.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011160 6596 136.7 UdeM00000011160 XP_045159488.1 85.7 70
10 0 1 70 1 70 1.20E-29 136.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011165 202533 157.9 UdeM00000011165 XP_035225712.1 44.6
166 87 2 22 182 7 172 1.20E-35 157.9 202533
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Araneae; Araneomorphae; Entelegynae; Eresoidea; Eresidae; Stegodyphus; Stegodyphus dumicola

UdeM00000011166 6596 94.7 UdeM00000011166 XP_045206950.1 62.3 69
26 0 1 69 1 69 5.40E-17 94.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011167 6573 363.6 UdeM00000011167 XP_021373560.1 42.8 470
84 1 1 285 1 470 2.30E-97 363.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000011168 6596 639.4 UdeM00000011168 XP_045198281.1 64.9 481
165 2 1 481 1 477 3.70E-180 639.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011169 6596 708.4 UdeM00000011169 XP_045198289.1 48.5 1053
 442 26 2 988 496 1514 1.30E-200 708.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011170 6596 82.4 UdeM00000011170 XP_045162331.1 25 276
 180 7 1 262 501 763 1.90E-12 82.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011171 6565 562 UdeM00000011171 XP_022325871.1 48.3 540
 268 5 1 538 1 531 8.60E-157 562 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011174 70779 105.5 UdeM00000011174 XP_015764363.1 33.5 182
 98 4 5 166 6 184 7.30E-20 105.5 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000011175 29159 546.6 UdeM00000011175 XP_034303685.1 47.1 529
 276 3 9 537 8 532 3.70E-152 546.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011177 6596 147.9 UdeM00000011177 XP_045194738.1 72.2 97
 26 1 7 102 9 105 7.80E-33 147.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011178 6596 702.6 UdeM00000011178 XP_045194738.1 70.4 466
 137 1 7 471 9 474 3.40E-199 702.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011179 6596 819.7 UdeM00000011179 XP_045190333.1 59.1 685
 269 6 1 683 1 676 2.80E-234 819.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011180 6596 713.4 UdeM00000011180 XP_045190345.1 70.5 511
 140 4 1 511 1 500 2.10E-202 713.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011181 6596 143.7 UdeM00000011181 XP_045188603.1 27.3 439
 275 15 2 414 386 806 7.30E-31 143.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011182 10224 127.9 UdeM00000011182 XP_002740205.2 30.9 272
166 5 4 275 48 297 3.10E-26 127.9 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000011183 1735272 171.8 UdeM00000011183 XP_041367923.1 41.9
210 114 3 48 249 110 319 1.10E-39 171.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011184 6596 152.5 UdeM00000011184 XP_045163453.1 27.1 450
290 14 114 544 371 801 1.60E-33 152.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011185 6596 106.3 UdeM00000011185 XP_045162670.1 23.1 762
490 28 2 717 127 838 2.30E-19 106.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011187 6596 151.8 UdeM00000011187 XP_045200348.1 26.1 475
316 14 63 514 486 948 3.80E-33 151.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011188 10224 136 UdeM00000011188 XP_002740205.2 35.2 244
136 5 4 247 48 269 1.10E-28 136 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000011189 6596 376.7 UdeM00000011189 XP_045188318.1 61.3 297
114 1 2 297 6 302 2.70E-101 376.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011190 6596 493.4 UdeM00000011190 XP_045188272.1 36.8 1163
524 28 34 1124 347 1370 7.60E-136 493.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011192 6596 489.2 UdeM00000011192 XP_045201943.1 72 457
114 2 1 455 60 504 5.70E-135 489.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011193 6573 269.2 UdeM00000011193 XP_021361918.1 77.1 157
 36 0 36 192 563 719 3.90E-69 269.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011194 6596 481.9 UdeM00000011194 XP_045201943.1 64.1 457
 149 2 1 454 60 504 9.10E-133 481.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011195 29159 473 UdeM00000011195 XP_011442101.1 80.5 292
 56 1 9 299 2 293 2.80E-130 473 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011196 6596 279.3 UdeM00000011196 XP_045181413.1 46.2 1610
 800 16 1 1578 11 1586 3.10E-71 279.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011197 6596 218.8 UdeM00000011197 XP_045201123.1 38.8 495
 242 15 1 488 175 615 1.80E-53 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011199 6596 141.4 UdeM00000011199 XP_045211479.1 59.8 117
 44 2 16 130 14 129 9.70E-31 141.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011200 6573 234.2 UdeM00000011200 XP_021375729.1 41.5 287
 143 5 1 262 340 626 2.00E-58 234.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011201 6596 70.9 UdeM00000011201 XP_045195845.1 46.1 76
 40 1 58 133 55 129 1.40E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011203 6596 879.8 UdeM00000011203 XP_045191341.1 62.1 746
 255 8 24 752 632 1366 2.50E-252 879.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000011204 6573 261.9 UdeM00000011204 XP_021354586.1 46 274
 143 2 1 274 3 271 1.10E-66 261.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011205 6573 261.9 UdeM00000011205 XP_021354586.1 46.7 274
 141 2 1 274 3 271 1.10E-66 261.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011206 6573 282.3 UdeM00000011206 XP_021354586.1 50.2 273
 132 1 1 273 3 271 7.70E-73 282.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011207 6573 423.7 UdeM00000011207 XP_021354586.1 43.7 529
 257 6 13 505 16 539 3.90E-115 423.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011208 6573 378.3 UdeM00000011208 XP_021354582.1 41.6 527
 222 7 24 472 101 619 1.70E-101 378.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011209 6596 419.9 UdeM00000011209 XP_045191341.1 42.4 536
 243 5 27 496 634 1169 5.30E-114 419.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011210 6596 414.1 UdeM00000011210 XP_045191341.1 42.1 542
 242 6 27 502 634 1169 2.90E-112 414.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011211 6596 438 UdeM00000011211 XP_045191341.1 44.6 542
 251 8 43 539 632 1169 2.00E-119 438 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011213 36176 173.7 UdeM00000011213 XP_043561851.1 23.1 886
 500 32 27 901 88 803 1.20E-39 173.7 36176 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Hemiscylliidae;Chiloscyllium
 plagiolum;Chiloscyllium plagiolum
 UdeM00000011214 29159 245 UdeM00000011214 XP_034301321.1 33 454
 249 12 12 451 22 434 1.90E-61 245 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011216 6573 118.6 UdeM00000011216 XP_021339848.1 83.6 61
 10 0 85 145 95 155 6.60E-24 118.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011217 7998 234.6 UdeM00000011217 NP_001244306.1 69.1 162
 49 1 207 368 4 164 2.10E-58 234.6 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus
 UdeM00000011218 1735272 156.4 UdeM00000011218 XP_041367785.1 27
 437 238 13 75 440 173 599 1.30E-34 156.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011219 6596 168.7 UdeM00000011219 XP_045198185.1 33.7 371
 176 16 36 342 196 560 2.10E-38 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011220 6596 498.4 UdeM00000011220 XP_045194783.1 78.5 284
 61 0 18 301 14 297 6.20E-138 498.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011221 6412 278.1 UdeM00000011221 XP_009023307.1 28.2 701
 429 25 46 688 269 953 4.00E-71 278.1 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000011222 6565 136.3 UdeM00000011222 XP_022286598.1 36.5 296
 158 9 16 305 78 349 6.70E-29 136.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011223 6565 249.2 UdeM00000011223 XP_022335990.1 67.3 171
 56 0 3 173 343 513 4.50E-63 249.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011225 6596 109 UdeM00000011225 XP_045202636.1 30.7 335
 191 8 3 327 100 403 1.20E-20 109 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011226 6596 287.3 UdeM00000011226 XP_045214278.1 42.4 384
 181 4 15 392 16 365 2.90E-74 287.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011227 6596 216.9 UdeM00000011227 XP_045214278.1 30.2 693
334 17 1 567 456 1124 7.00E-53 216.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011228 400727 313.9 UdeM00000011228 XP_025112388.1 70
203 61 0 71 273 73 275 2.00E-82 313.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000011229 400727 312.8 UdeM00000011229 XP_025112388.1 59.9
252 93 2 13 263 31 275 4.30E-82 312.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000011230 6596 540 UdeM00000011230 XP_045201882.1 71 389
101 5 1 388 1 378 2.40E-150 540 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011231 6596 858.2 UdeM00000011231 XP_045201914.1 58 807
322 11 1 799 1 798 8.20E-246 858.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011232 10224 383.6 UdeM00000011232 XP_002735040.1 52.2 372
152 4 5 376 6 351 3.00E-103 383.6 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000011236 225164 307.4 UdeM00000011236 XP_009048425.1 65.9
214 72 1 12 224 27 240 1.50E-80 307.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000011237 6565 167.2 UdeM00000011237 XP_022328321.1 77 122
28 0 1 122 1 122 1.40E-38 167.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011238 400727 205.7 UdeM00000011238 XP_025112983.1 66.2
151 51 0 1 151 1 151 4.20E-50 205.7 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000011239 6596 445.3 UdeM00000011239 XP_045207016.1 48.2 504
232 12 7 506 4 482 1.10E-121 445.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011240 6596 193.7 UdeM00000011240 XP_045204855.1 46.6 558
251 4 2 519 358 908 5.70E-46 193.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011241 7054 432.2 UdeM00000011241 XP_031328250.1 49.6 425
213 1 1 424 1 425 8.00E-118 432.2 7054 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elateriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis

UdeM00000011242 1735272 146.7 UdeM00000011242 XP_041368331.1 44.7
371 202 2 1 369 1 370 5.70E-32 146.7 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000011243 1735272 153.7 UdeM00000011243 XP_041370549.1 34.9
284 120 5 12 294 164 383 3.70E-34 153.7 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000011245 6596 527.3 UdeM00000011245 XP_045197814.1 50.6 530
261 1 15 543 16 545 2.30E-146 527.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011246 1735272 1169.1 UdeM00000011246 XP_041368565.1
56.9 1005 413 9 33 1034 20 1007 0.00E+00 1169.1
1735272 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000011247 6596 669.5 UdeM00000011247 XP_045191539.1 57 542
229 3 14 555 11 548 3.90E-189 669.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011248 7998 59.7 UdeM00000011248 XP_017323142.1 46.1 76
37 2 17 90 58 131 2.20E-06 59.7 7998 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid ei;Ictaluridae;Ictalurus;Ictalurus punctatus

UdeM00000011249 6573 213 UdeM00000011249 XP_021369519.1 45.6 261
125 7 7 258 10 262 4.50E-52 213 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011250 6573 193.7 UdeM00000011250 XP_021369519.1 47.7 216
99 5 42 248 52 262 2.70E-46 193.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011251 6573 194.9 UdeM00000011251 XP_021369519.1 47.3 226
104 6 6 222 43 262 1.10E-46 194.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011253 6573 214.9 UdeM00000011253 XP_021369519.1 46 261
124 7 7 258 10 262 1.20E-52 214.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011254 6573 68.9 UdeM00000011254 XP_021369519.1 35.1 148
60 4 36 150 83 227 6.10E-09 68.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011255 6565 78.6 UdeM00000011255 XP_022311060.1 51.3 78
36 1 77 154 28 103 8.10E-12 78.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011257 7868 65.5 UdeM00000011257 NP_001279192.1 58.6 58
19 2 6 58 41 98 4.80E-08 65.5 7868 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Holocephali;Chimaeriformes;Callorhynchidae;Callorhynchus;Callorhynchus milii

UdeM00000011258 6565 117.9 UdeM00000011258 XP_022319276.1 51.4 111
49 2 11 121 156 261 9.40E-24 117.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011259 6596 126.7 UdeM00000011259 XP_045171063.1 38.8 165
99 2 15 179 7 169 3.00E-26 126.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011264 1735272 1705.3 UdeM00000011264 XP_041370347.1
37.9 2265 1067 23 7 1939 4 2261 0.00E+00 1705.3

1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011266 260615 195.7 UdeM00000011266 XP_039385216.1 62.2
180 18 2 1 130 347 526 3.80E-47 195.7 260615
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
oemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000011267 6573 1228.4 UdeM00000011267 XP_021380178.1 60.3
984 352 10 132 1104 794 1749 0.00E+00 1228.4 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011268 6596 191.8 UdeM00000011268 XP_045205873.1 50.8 187
80 4 213 395 237 415 1.70E-45 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011270 6579 896.7 UdeM00000011270 XP_033730374.1 71.2 639
180 3 455 1091 459 1095 2.90E-257 896.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011269 6579 1340.5 UdeM00000011269 XP_033730374.1 70.2
945 277 4 455 1397 459 1400 0.00E+00 1340.5 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011271 37653 476.5 UdeM00000011271 XP_014774431.1 73.3 300
79 1 38 337 1184 1482 3.30E-131 476.5 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000011272 6596 282.3 UdeM00000011272 XP_045200231.1 63.1 268
79 3 1 252 116 379 5.90E-73 282.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011273 29159 102.4 UdeM00000011273 XP_034302659.1 60 75
30 0 28 102 5115 5189 3.40E-19 102.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011274 6573 5953.2 UdeM00000011274 XP_021371158.1 69
4503 1292 34 23 4488 679 5113 0.00E+00 5953.2 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000011275 6596 755 UdeM00000011275 XP_045212931.1 61.7 699
249 7 5 686 4 700 8.40E-215 755 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000011276 10224 134.8 UdeM00000011276 XP_002740205.2 36.2 229
123 5 4 229 48 256 2.80E-28 134.8 10224 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii
UdeM00000011277 6579 877.5 UdeM00000011277 XP_033760558.1 34.5 1527
973 6 543 2065 1340 2843 3.40E-251 877.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000011278 6579 164.9 UdeM00000011278 XP_033729790.1 31.8 355
153 3 10 280 17 366 1.70E-37 164.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000011279 6579 148.3 UdeM00000011279 XP_033729790.1 47.3 146
77 0 10 155 17 162 8.20E-33 148.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000011282 6500 72 UdeM00000011282 XP_005100473.1 48.3 60
29 1 16 75 164 221 9.30E-10 72 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica
UdeM00000011284 6573 832 UdeM00000011284 XP_021366299.1 32.3 1327
896 2 998 2323 15 1340 1.80E-237 832 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000011286 10224 133.7 UdeM00000011286 XP_002740205.2 36.4 228
122 5 4 228 48 255 3.20E-28 133.7 10224 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii
UdeM00000011285 10224 134.8 UdeM00000011285 XP_002740205.2 36.2 229
123 5 4 229 48 256 2.80E-28 134.8 10224 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii
UdeM00000011287 6579 1025.8 UdeM00000011287 XP_033760558.1 31.9
2172 1364 24 17 2163 746 2827 9.20E-296 1025.8 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000011288 6579 150.2 UdeM00000011288 XP_033729790.1 47.9 146
 76 0 10 155 17 162 2.20E-33 150.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011292 55291 108.6 UdeM00000011292 XP_039601029.1 26 346
 197 11 4 308 25 352 2.00E-20 108.6 55291 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Polypterus;Polypterus
 senegalus
 UdeM00000011294 1735272 78.6 UdeM00000011294 XP_041374672.1 27.9
 190 120 5 7 181 146 333 9.50E-12 78.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011295 6573 740.7 UdeM00000011295 XP_021366299.1 33.3 1125
 749 1 209 1332 82 1206 3.20E-210 740.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011296 6579 131 UdeM00000011296 XP_033729790.1 50 124
 62 0 10 133 17 140 1.20E-27 131 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011298 2652724 94 UdeM00000011298 XP_028513771.1 45
 111 61 0 2 112 109 219 1.40E-16 94 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000011300 6596 66.6 UdeM00000011300 XP_045180785.1 26.6 158
 106 6 12 162 76 230 3.80E-08 66.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011301 10224 129.8 UdeM00000011301 XP_002740205.2 29.8 325
 193 9 4 318 48 347 8.40E-27 129.8 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000011302 1735272 119.8 UdeM00000011302 XP_041374024.1 26.8
 340 217 7 12 326 421 753 6.70E-24 119.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011303 6596 445.7 UdeM00000011303 XP_045200043.1 57 351
 149 2 1 350 38 387 5.60E-122 445.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011304 6596 445.7 UdeM00000011304 XP_045200043.1 54.5 380
167 3 7 381 9 387 6.10E-122 445.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011305 6596 233.4 UdeM00000011305 XP_045200030.1 24.6 874
579 19 106 926 863 1709 1.20E-57 233.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011306 1735272 423.7 UdeM00000011306 XP_041368258.1 63.2
323 119 0 1 323 1 323 2.10E-115 423.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011309 6596 152.1 UdeM00000011309 XP_045202653.1 43.2 213
74 3 1 166 53 265 6.30E-34 152.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011311 6573 523.9 UdeM00000011311 XP_021370704.1 38.6 741
445 5 40 772 62 800 4.00E-145 523.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011312 6579 581.3 UdeM00000011312 XP_033738752.1 35.9 935
581 9 42 966 10 936 2.40E-162 581.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011313 6596 491.5 UdeM00000011313 XP_045161796.1 42.7 1346
548 59 1641 2877 1672 2903 7.30E-135 491.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011314 6596 499.2 UdeM00000011314 XP_045161796.1 42.9 1343
547 58 1641 2874 1672 2903 3.50E-137 499.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011315 6596 456.4 UdeM00000011315 XP_045161796.1 41.3 1343
541 58 1641 2847 1672 2903 2.60E-124 456.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011316 6596 496.9 UdeM00000011316 XP_045161796.1 42 1347
 557 58 1641 2878 1672 2903 1.70E-136 496.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011317 6573 606.3 UdeM00000011317 XP_021367246.1 55.9 994
 414 4 21 1012 19 990 9.30E-170 606.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011318 6596 1466.8 UdeM00000011318 XP_045191407.1 86
 1048 145 2 1 1047 1 1047 0.00E+00 1466.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011319 6596 575.5 UdeM00000011319 XP_045188691.1 68.6 398
 111 4 2 385 6 403 5.20E-161 575.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011320 6596 456.1 UdeM00000011320 XP_045188691.1 55.9 383
 158 2 15 386 17 399 4.60E-125 456.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011321 6596 321.2 UdeM00000011321 XP_045188691.1 44.4 387
 164 7 7 353 14 389 1.60E-84 321.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011322 6596 371.7 UdeM00000011322 XP_045188691.1 48.8 371
 177 4 23 391 30 389 1.20E-99 371.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011323 6565 367.9 UdeM00000011323 XP_022325508.1 40.6 552
 249 12 103 644 93 575 3.00E-98 367.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011324 6565 293.5 UdeM00000011324 XP_022325508.1 46.9 320
 146 2 103 400 93 410 5.40E-76 293.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011325 6565 293.5 UdeM00000011325 XP_022325508.1 46.9 320
 146 2 57 354 93 410 4.90E-76 293.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011326 6565 338.6 UdeM00000011326 XP_022325508.1 52.2 318
149 2 36 352 93 408 1.00E-89 338.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011327 1232801 83.2 UdeM00000011327 XP_043204463.1 35.8
134 79 4 1 133 451 578 4.70E-13 83.2 1232801
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanid ae;Amphibalanus;Amphibalanus amphitrite

UdeM00000011328 6596 706.8 UdeM00000011328 XP_045173785.1 61.8 555
207 4 55 607 65 616 2.30E-200 706.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000011329 6105 129.8 UdeM00000011329 XP_031568117.1 46.8 139
74 0 47 185 13 151 3.60E-27 129.8 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000011330 6596 170.6 UdeM00000011330 XP_045183440.1 54.4 158
68 2 10 167 227 380 2.70E-39 170.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000011332 2652724 89.7 UdeM00000011332 XP_028513771.1 46.5
99 53 0 1 99 73 171 2.20E-15 89.7 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000011335 29159 157.5 UdeM00000011335 XP_019926412.2 37.4 222
125 5 1 219 275 485 2.10E-35 157.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011336 8078 171.4 UdeM00000011336 XP_035989482.1 51.3 156
76 0 24 179 27 182 1.30E-39 171.4 8078 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus heteroclitus

UdeM00000011337 7054 67.4 UdeM00000011337 XP_031330401.1 50.9 55
24 1 2 53 388 442 1.10E-08 67.4 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
UdeM00000011338 6596 277.3 UdeM00000011338 XP_045184729.1 29.4 712
464 12 4 700 3 690 5.40E-71 277.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011340 6596 558.5 UdeM00000011340 XP_045173785.1 61.4 440
168 2 58 496 68 506 8.60E-156 558.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011341 6579 484.6 UdeM00000011341 XP_033740344.1 55.6 444
150 3 50 450 101 540 1.40E-133 484.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000011342 7054 90.5 UdeM00000011342 XP_031350480.1 46 87
46 1 22 107 381 467 1.40E-15 90.5 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
UdeM00000011344 6596 93.6 UdeM00000011344 XP_045201791.1 40 110
66 0 2 111 478 587 1.90E-16 93.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011345 6596 90.9 UdeM00000011345 XP_045181416.1 25.3 269
179 5 1 261 260 514 2.60E-15 90.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011346 6596 107.5 UdeM00000011346 XP_045194229.1 32.3 232
133 7 6 226 15 233 2.30E-20 107.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011347 6573 125.6 UdeM00000011347 XP_021359218.1 67 88
29 0 2 89 422 509 4.30E-26 125.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011348 6596 116.3 UdeM00000011348 XP_045160729.1 41.1 158
84 1 26 183 546 694 4.20E-23 116.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011349 6573 176 UdeM00000011349 XP_021359218.1 53.2 158
 74 0 1 158 352 509 4.30E-41 176 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011350 6565 128.6 UdeM00000011350 XP_022314272.1 51.9 129
 57 1 22 145 407 535 6.40E-27 128.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011351 6573 117.5 UdeM00000011351 XP_021359218.1 49.1 108
 55 0 1 108 352 459 1.20E-23 117.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011352 6573 162.5 UdeM00000011352 XP_021359218.1 50 158
 77 1 1 156 352 509 4.80E-37 162.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011354 6596 184.9 UdeM00000011354 XP_045201862.1 34.8 336
 203 6 5 336 4 327 1.70E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011356 6596 227.3 UdeM00000011356 XP_045201869.1 28.7 631
 416 13 7 625 6 614 5.60E-56 227.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011357 6596 84 UdeM00000011357 XP_045212653.1 31.3 163
 110 1 17 177 39 201 2.20E-13 84 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011358 6596 107.1 UdeM00000011358 XP_045202892.1 36.1 205
 113 6 28 224 60 254 3.10E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011359 29159 245.7 UdeM00000011359 XP_034317101.1 43.4 318
 158 7 26 336 92 394 8.10E-62 245.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011360 29159 338.2 UdeM00000011360 XP_034322046.1 58.7 271
 108 2 1 271 416 682 9.70E-90 338.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011361 29159 214.9 UdeM00000011361 XP_011451530.1 53 183
 85 1 71 252 84 266 1.20E-52 214.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011362 6596 449.9 UdeM00000011362 XP_045211522.1 33.3 851
 458 26 9 789 2238 3048 6.80E-123 449.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011363 6579 211.1 UdeM00000011363 XP_033745542.1 39.3 298
 162 11 8 296 11 298 2.20E-51 211.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011364 6596 219.9 UdeM00000011364 XP_045189789.1 57.8 192
 71 3 1 186 153 340 3.50E-54 219.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011367 6579 517.7 UdeM00000011367 XP_033740344.1 55.5 474
 164 3 50 480 101 570 1.60E-143 517.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011368 6596 193.7 UdeM00000011368 XP_045201862.1 33.1 375
 236 7 5 375 4 367 5.60E-46 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011369 6596 120.6 UdeM00000011369 XP_045160729.1 37.4 222
 121 4 13 230 487 694 2.80E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011370 6596 124.8 UdeM00000011370 XP_045211573.1 31.1 251
 164 5 3 250 2 246 1.60E-25 124.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011371 6596 201.1 UdeM00000011371 XP_045201869.1 28.2 553
 367 11 2 542 118 652 3.90E-48 201.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011373 6579 625.9 UdeM00000011373 XP_033732565.1 51.7 640
 270 10 1 608 4 636 5.30E-176 625.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000011374 6579 622.9 UdeM00000011374 XP_033732564.1 52.6 614
257 8 2 587 31 638 4.40E-175 622.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000011375 6565 1225.7 UdeM00000011375 XP_022321932.1 42
1474 736 25 41 1410 22 1480 0.00E+00 1225.7 6565
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000011376 6573 712.6 UdeM00000011376 XP_021351151.1 40.1 1069
590 26 3 1033 1411 2467 7.20E-202 712.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000011377 6596 276.2 UdeM00000011377 XP_045193706.1 67.4 230
57 8 6 227 169 388 3.80E-71 276.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000011378 6596 279.3 UdeM00000011378 XP_045193706.1 83.2 155
25 1 16 169 11 165 3.40E-72 279.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000011379 10224 187.6 UdeM00000011379 NP_001158395.1 43.1 204
113 1 62 265 33 233 3.00E-44 187.6 10224 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii
UdeM00000011380 6579 278.9 UdeM00000011380 XP_033728585.1 52.5 242
112 1 1 239 1 242 6.30E-72 278.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000011382 29159 273.9 UdeM00000011382 XP_011436154.3 43.3 314
172 1 67 380 34 341 3.70E-70 273.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000011383 6573 656.8 UdeM00000011383 XP_021380189.1 61.7 553
170 2 1 511 1 553 2.30E-185 656.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000011387 8032 432.6 UdeM00000011387 XP_029558453.1 44.9 477
263 0 10 486 9 485 8.40E-118 432.6 8032 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Protacanthopterygii;Salmoniformes;Salmonidae;Salmoninae;Salmo;Salmo trutta
 UdeM00000011388 6596 275.8 UdeM00000011388 XP_045181306.1 65.5 197
 67 1 4 199 18 214 4.40E-71 275.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011389 29159 210.7 UdeM00000011389 XP_034300374.1 52.1 192
 85 1 1 185 3 194 1.70E-51 210.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011390 29159 669.5 UdeM00000011390 XP_034300374.1 50.4 689
 322 6 1 680 3 680 4.60E-189 669.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011391 6596 369.4 UdeM00000011391 XP_045200581.1 66.8 274
 90 1 11 284 6 278 4.20E-99 369.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011392 6573 119.4 UdeM00000011392 XP_021341398.1 60.4 91
 34 1 1 89 108 198 2.50E-24 119.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011393 6596 214.9 UdeM00000011393 XP_045200561.1 71.1 149
 41 2 54 201 74 221 9.20E-53 214.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011395 6573 271.6 UdeM00000011395 XP_021352112.1 46.6 264
 141 0 159 422 121 384 1.80E-69 271.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011396 6596 350.9 UdeM00000011396 XP_045204875.1 53.2 301
 139 2 120 419 144 443 2.30E-93 350.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011397 6596 721.1 UdeM00000011397 XP_045162359.1 47.1 732
 361 7 1 715 1 723 1.40E-204 721.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011398 6579 310.1 UdeM00000011398 XP_033760558.1 37.1 455
 285 1 56 509 1950 2404 5.40E-81 310.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011399 1735272 133.3 UdeM00000011399 XP_041374024.1 25.8
 395 257 10 12 382 421 803 6.80E-28 133.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011401 10224 111.3 UdeM00000011401 XP_002740205.2 39.6 164
 84 3 4 167 48 196 1.40E-21 111.3 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000011403 6596 515 UdeM00000011403 XP_045192877.1 41.5 1041
 461 27 3 978 38 995 2.10E-142 515 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011402 6596 563.5 UdeM00000011402 XP_045192877.1 42.3 1071
 470 27 19 1024 8 995 5.40E-157 563.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011404 6596 116.7 UdeM00000011404 XP_045192745.1 53.8 93
 43 0 19 111 8 100 2.10E-23 116.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011405 6596 551.6 UdeM00000011405 XP_045192908.1 73.9 376
 87 2 1 376 1 365 7.80E-154 551.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011406 6596 142.9 UdeM00000011406 XP_045192891.1 69.4 111
 23 3 1 111 289 388 2.50E-31 142.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011407 1735272 225.3 UdeM00000011407 XP_041370813.1 59.5
 227 55 5 102 305 70 282 1.10E-55 225.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011408 6596 331.3 UdeM00000011408 XP_045183440.1 48.4 353
 177 3 45 396 32 380 1.90E-87 331.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011410 6579 274.2 UdeM00000011410 XP_033731805.1 86.2 152
21 0 14 165 203 354 1.10E-70 274.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011409 6596 295.8 UdeM00000011409 XP_045202484.1 67.8 264
68 8 62 312 185 444 6.40E-77 295.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011411 6579 89.7 UdeM00000011411 XP_033758050.1 52.1 73
35 0 45 117 33 105 3.60E-15 89.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011415 6596 147.9 UdeM00000011415 XP_045163453.1 24.8 616
410 24 149 737 398 987 8.10E-32 147.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011416 29159 438 UdeM00000011416 XP_011431939.2 53.9 414
183 4 1 412 34 441 1.50E-119 438 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011417 6579 395.6 UdeM00000011417 XP_033763454.1 82.8 325
52 2 139 463 100 420 8.80E-107 395.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011420 6596 374.4 UdeM00000011420 XP_045214042.1 39.1 580
295 11 1 561 1 541 2.90E-100 374.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011421 6596 850.1 UdeM00000011421 XP_045201014.1 55.4 751
316 6 2 746 33 770 2.10E-243 850.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011422 6596 169.9 UdeM00000011422 XP_045214042.1 40.1 247
136 4 37 276 695 936 5.60E-39 169.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011424 6596 122.9 UdeM00000011424 XP_045172183.1 39.3 183
 104 4 56 234 104 283 7.90E-25 122.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011425 6596 189.5 UdeM00000011425 XP_045172183.1 40.5 264
 149 4 10 270 285 543 5.70E-45 189.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011426 6596 410.6 UdeM00000011426 XP_045188171.1 34.8 966
 552 22 293 1216 230 1159 8.60E-111 410.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011427 6596 658.3 UdeM00000011427 XP_045190226.1 80.5 395
 74 1 22 416 207 598 6.50E-186 658.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011428 1735272 485.7 UdeM00000011428 XP_041369494.1 85.3
 293 43 0 12 304 20 312 4.40E-134 485.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011429 6579 282.7 UdeM00000011429 XP_033763701.1 88.2 152
 18 0 1 152 1 152 2.70E-73 282.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011430 6500 148.3 UdeM00000011430 XP_012943867.1 51.8 137
 66 0 4 140 5 141 7.70E-33 148.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000011431 6500 116.7 UdeM00000011431 XP_012943867.1 51.8 110
 53 0 4 113 5 114 2.00E-23 116.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000011432 6500 142.5 UdeM00000011432 XP_012943867.1 51.1 137
 67 0 4 140 5 141 4.20E-31 142.5 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000011433 6500 141.4 UdeM00000011433 XP_012943867.1 55.7 122
 54 0 6 127 20 141 8.50E-31 141.4 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000011434 6500 141 UdeM00000011434 XP_012943867.1 53.7 136
 61 1 94 229 6 139 2.00E-30 141 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000011435 6565 124.4 UdeM00000011435 XP_022324519.1 56.5 108
 47 0 1 108 31 138 9.10E-26 124.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011436 29159 437.6 UdeM00000011436 XP_034314164.1 33.7 790
 464 20 53 808 87 850 4.20E-119 437.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011437 29159 437.6 UdeM00000011437 XP_034314164.1 33.7 790
 464 20 53 808 87 850 3.80E-119 437.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011438 6573 438.3 UdeM00000011438 XP_021356985.1 34 761
 460 17 7 740 97 842 2.50E-119 438.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011439 29159 66.6 UdeM00000011439 XP_034317667.1 28.1 121
 83 2 34 150 311 431 3.20E-08 66.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011440 6573 459.5 UdeM00000011440 XP_021356985.1 34.6 777
 464 18 7 754 78 839 1.00E-125 459.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011442 6573 442.2 UdeM00000011442 XP_021356985.1 34.2 780
 439 22 7 727 78 842 1.30E-120 442.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011443 29159 400.2 UdeM00000011443 XP_034301655.1 31.9 767
 403 21 9 665 68 825 5.20E-108 400.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011444 6573 454.9 UdeM00000011444 XP_021356985.1 34.8 781
 457 20 34 781 78 839 2.60E-124 454.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011445 29159 60.5 UdeM00000011445 XP_011436865.2 35.4 99
 64 0 73 171 24 122 2.80E-06 60.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011446 37621 142.9 UdeM00000011446 XP_014679100.1 37.2 234
132 7 90 317 78 302 7.00E-31 142.9 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000011447 158456 89.4 UdeM00000011447 XP_028998265.1 27.5
218 124 6 33 225 179 387 7.00E-15 89.4 158456
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Anabantaria;Anabantiformes;Anabantoidei;Osphronemidae;Macropodinae;Betta;Betta splendens

UdeM00000011448 59729 103.2 UdeM00000011448 XP_041577555.1 30.7 218
143 4 228 444 27 237 9.60E-19 103.2 59729 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Passeriformes;Passeroidea;Estrildidae;Estrildinae;Taeniopygia;Taeniopygia guttata

UdeM00000011451 225164 132.1 UdeM00000011451 XP_009047588.1 49.2
126 64 0 85 210 28 153 8.50E-28 132.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000011452 6565 120.9 UdeM00000011452 XP_022326564.1 44 134
73 1 24 155 16 149 1.50E-24 120.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011453 6573 188.3 UdeM00000011453 XP_021361559.1 73.9 134
34 1 1 134 1 133 6.20E-45 188.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011456 7739 66.6 UdeM00000011456 XP_035663387.1 42.7 75
43 0 32 106 190 264 3.30E-08 66.6 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000011457 6596 145.6 UdeM00000011457 XP_045167997.1 29.6 388
242 12 11 381 4 377 2.40E-31 145.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011458 6596 779.2 UdeM00000011458 XP_045176255.1 47.3 1115
488 23 56 1083 1059 2160 6.60E-22 779.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011459 6573 74.3 UdeM00000011459 XP_021349042.1 25.5 542
266 16 385 850 362 841 9.60E-10 74.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011460 225164 336.3 UdeM00000011460 XP_009050356.1 77.9
217 48 0 1 217 1 217 3.00E-89 336.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000011461 225164 337.4 UdeM00000011461 XP_009050356.1 78.3
217 47 0 1 217 1 217 1.30E-89 337.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000011463 6596 395.6 UdeM00000011463 XP_045194698.1 49.7 479
209 11 1 459 1 467 1.10E-106 395.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011464 6596 122.9 UdeM00000011464 XP_045194709.1 21.4 692
334 13 16 655 28 561 1.60E-24 122.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011465 6596 126.7 UdeM00000011465 XP_045194698.1 57.8 116
49 0 99 214 465 580 3.50E-26 126.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011466 6579 149.4 UdeM00000011466 XP_033753652.1 31.3 345
217 11 26 361 25 358 8.60E-33 149.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011467 6579 154.5 UdeM00000011467 XP_033753652.1 31.4 369
230 13 2 361 4 358 2.70E-34 154.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011468 6573 193.7 UdeM00000011468 XP_021369519.1 47.7 216
99 5 330 536 52 262 5.90E-46 193.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011469 6573 213 UdeM00000011469 XP_021369519.1 45.6 261
 125 7 7 258 10 262 4.50E-52 213 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011470 6573 184.9 UdeM00000011470 XP_021369519.1 46.8 216
 100 6 87 292 52 262 1.50E-43 184.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011471 6573 205.3 UdeM00000011471 XP_021369519.1 45.2 261
 125 8 7 257 10 262 9.40E-50 205.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011472 6573 201.1 UdeM00000011472 XP_021369519.1 44.4 261
 116 8 7 246 10 262 1.70E-48 201.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011473 6573 67.4 UdeM00000011473 XP_021369519.1 44.1 93
 49 1 22 111 83 175 1.50E-08 67.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011474 6500 142.9 UdeM00000011474 XP_012946305.1 29.1 375
 221 12 25 363 30 395 8.10E-31 142.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000011475 151771 123.6 UdeM00000011475 XP_028417951.1 44.8
 134 73 1 43 176 7 139 2.50E-25 123.6 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000011476 6565 129 UdeM00000011476 XP_022310266.1 48.6 146
 70 1 146 291 184 324 9.60E-27 129 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011477 6596 201.1 UdeM00000011477 XP_045183440.1 56.1 187
 77 3 1 186 198 380 2.00E-48 201.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011478 6579 1009.2 UdeM00000011478 XP_033730381.1 57.4
 940 333 12 1 881 65 996 3.20E-29 1009.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011479 1735272 516.2 UdeM00000011479 XP_041369495.1 50.3
 477 234 2 11 484 45 521 4.70E-143 516.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011480 29159 623.2 UdeM00000011480 XP_034339032.1 70.3 437
 122 4 1 431 1 435 3.20E-175 623.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011481 6596 1174.8 UdeM00000011481 XP_045188162.1 81.4
 731 131 3 202 930 433 1160 0.00E+00 1174.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011482 6596 539.3 UdeM00000011482 XP_045197229.1 87.5 304
 37 1 2 304 15 318 3.20E-150 539.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011483 6596 539.3 UdeM00000011483 XP_045197229.1 86.7 308
 40 1 7 313 11 318 3.30E-150 539.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011484 6579 362.8 UdeM00000011484 XP_033728658.1 59.7 305
 110 4 10 301 13 317 4.10E-97 362.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011485 6596 460.7 UdeM00000011485 XP_045194766.1 47.5 547
 241 9 120 652 242 756 3.10E-126 460.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011486 6579 77 UdeM00000011486 XP_033762752.1 46.2 78
 42 0 5 82 185 262 1.20E-11 77 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011487 6596 217.2 UdeM00000011487 XP_045208999.1 45.8 264
 97 3 4 265 11 230 2.40E-53 217.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011488 29159 240 UdeM00000011488 XP_011449627.2 36.8 400
 223 10 4 381 6 397 5.10E-60 240 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011489 6596 320.9 UdeM00000011489 XP_045206316.1 41.2 485
206 9 17 441 59 524 2.60E-84 320.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011490 6596 242.3 UdeM00000011490 XP_045199609.1 38.2 422
209 13 8 382 6 422 1.00E-60 242.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011491 6596 242.3 UdeM00000011491 XP_045199609.1 38.2 422
210 13 8 383 6 422 1.00E-60 242.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011493 7539 143.3 UdeM00000011493 XP_023019945.1 46 139
73 1 19 155 755 893 3.50E-31 143.3 7539 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Chrysomelinae;Doryphorini;Leptinotarsa;Leptinotarsa decemlineata

UdeM00000011494 1735272 180.6 UdeM00000011494 XP_041378242.1 44.4
266 102 3 73 294 389 652 5.20E-42 180.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011495 6596 102.1 UdeM00000011495 XP_045210831.1 40.6 165
83 3 1 150 1 165 7.10E-19 102.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011496 6596 334.7 UdeM00000011496 XP_045187150.1 47 394
167 4 1 357 229 617 1.40E-88 334.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011498 6596 240.4 UdeM00000011498 XP_045199609.1 38.5 418
206 13 12 383 10 422 3.90E-60 240.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011499 29159 89.7 UdeM00000011499 XP_034315421.1 38.9 126
74 2 40 165 221 343 3.70E-15 89.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000011500 6565 131.3 UdeM00000011500 XP_022306954.1 48.3 118
61 0 63 180 831 948 1.20E-27 131.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000011501 29159 221.1 UdeM00000011501 XP_011449627.2 36.3 399
225 10 5 382 7 397 2.40E-54 221.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000011502 6596 231.9 UdeM00000011502 XP_045199609.1 37.9 422
211 13 8 383 6 422 1.40E-57 231.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011503 29159 229.2 UdeM00000011503 XP_011449627.2 48 250
116 5 24 267 156 397 6.30E-57 229.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000011504 6596 869.8 UdeM00000011504 XP_045196507.1 61 724
243 9 8 696 18 737 2.40E-249 869.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011506 6565 799.3 UdeM00000011506 XP_022323262.1 59.6 732
274 8 13 727 4 730 4.20E-228 799.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000011507 6565 763.5 UdeM00000011507 XP_022323261.1 53.7 817
281 10 1 807 1 730 2.80E-217 763.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000011508 6565 755.4 UdeM00000011508 XP_022323261.1 52.4 837
281 10 1 827 1 730 7.80E-215 755.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000011509 6596 334.3 UdeM00000011509 XP_045201815.1 32.5 794
448 20 45 795 44 792 4.30E-88 334.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011510 6596 349 UdeM00000011510 XP_045201815.1 32.1 782
472 16 22 771 29 783 1.60E-92 349 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011511 6596 602.4 UdeM00000011511 XP_045211172.1 74.3 358
92 0 3 360 11 368 3.70E-169 602.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011512 6596 636 UdeM00000011512 XP_045190964.1 65.8 471
158 3 2 470 1 470 3.90E-179 636 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011513 400727 529.3 UdeM00000011513 XP_025114076.1 68.1
367 79 3 6 347 24 377 3.80E-147 529.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000011514 29159 609.4 UdeM00000011514 XP_011419208.2 78.4 352
75 1 9 360 8 358 3.00E-171 609.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011516 6500 629.8 UdeM00000011516 XP_012943766.1 79 357
75 0 5 361 9 365 2.20E-177 629.8 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000011517 6596 156.8 UdeM00000011517 XP_045190872.1 34 282
186 0 134 415 2 283 7.00E-35 156.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011518 6573 677.6 UdeM00000011518 XP_021341745.1 44 1609
725 33 157 1687 1499 3009 4.20E-191 677.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011519 6573 287 UdeM00000011519 XP_021341745.1 35.8 1034
562 31 8 987 333 1318 9.70E-74 287 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011520 6573 290 UdeM00000011520 XP_021341745.1 35.8 1052
535 33 8 985 333 1318 1.10E-74 290 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011522 6565 142.5 UdeM00000011522 XP_022322359.1 82.4 85
15 0 6 90 254 338 4.50E-31 142.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000011521 6579 404.4 UdeM00000011521 XP_033728952.1 62.3 313
110 3 1 306 13 324 1.60E-109 404.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000011523 6579 396.4 UdeM00000011523 XP_033728952.1 68 275
88 0 1 275 50 324 3.90E-107 396.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000011525 6500 94 UdeM00000011525 XP_005092832.1 52.5 80
38 0 7 86 254 333 1.00E-16 94 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000011526 6573 292.7 UdeM00000011526 XP_021365545.1 54.8 250
113 0 1 250 1 250 4.50E-76 292.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011527 225164 370.5 UdeM00000011527 XP_009065531.1 77
222 51 0 4 225 5 226 1.50E-99 370.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
UdeM00000011528 6596 602.1 UdeM00000011528 XP_045186101.1 43.7 796
335 11 100 788 161 950 1.00E-168 602.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000011529 6596 152.1 UdeM00000011529 XP_045185505.1 37.9 314
172 13 1 297 1 308 1.10E-33 152.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000011530 6596 69.7 UdeM00000011530 XP_045185979.1 45.1 113
48 5 7 117 320 420 2.80E-09 69.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000011531 6596 72.8 UdeM00000011531 XP_045185505.1 39.2 120
47 5 7 112 441 548 3.30E-10 72.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011532 451745 61.6 UdeM00000011532 XP_037553707.1 38.2
 89 54 1 62 150 506 593 9.80E-07 61.6 451745
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Rivulidae;Nematolebias;Nematolebias whitei
 UdeM00000011533 1735272 515 UdeM00000011533 XP_041368936.1 37.9
 1115 565 16 10 1109 9 1011 5.00E-142 515 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011534 6596 364.4 UdeM00000011534 XP_045195345.1 69.1 243
 74 1 1 242 1 243 1.10E-97 364.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011535 6596 796.6 UdeM00000011535 XP_045195336.1 80.8 526
 97 3 1 525 1 523 1.90E-227 796.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011536 6596 190.7 UdeM00000011536 XP_045172484.1 23.9 637
 441 16 10 627 70 681 6.20E-45 190.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011542 6596 429.5 UdeM00000011542 XP_045198598.1 80.4 270
 53 0 18 287 4 273 3.40E-117 429.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011543 6596 562.4 UdeM00000011543 XP_045190325.1 84.2 323
 50 1 23 345 36 357 4.00E-157 562.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011544 29159 698.7 UdeM00000011544 XP_011436849.2 58 607
 242 5 1 602 1 599 7.20E-198 698.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011545 1735272 847.8 UdeM00000011545 XP_041368214.1 73.1
 579 149 3 3 574 312 890 8.00E-243 847.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000011546 1735272 308.5 UdeM00000011546 XP_041370713.1 56.5
248 108 0 9 256 69 316 8.60E-81 308.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000011547 1735272 374.4 UdeM00000011547 XP_041370713.1 54.8
312 134 1 3 307 5 316 1.50E-100 374.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000011548 6579 176 UdeM00000011548 XP_033763918.1 42 288
156 6 60 343 7 287 8.10E-41 176 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000011549 6573 928.7 UdeM00000011549 XP_021380272.1 99.8 452
1 0 1 452 1 452 2.80E-267 928.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011550 6596 573.2 UdeM00000011550 XP_045187864.1 68 428
122 5 1 415 1 426 3.00E-160 573.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011551 6565 131.7 UdeM00000011551 XP_022299727.1 33.3 231
77 3 1 155 46 275 9.30E-28 131.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011552 6579 806.2 UdeM00000011552 XP_033732346.1 68.3 618
194 1 18 633 418 1035 3.00E-230 806.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011553 6596 93.6 UdeM00000011553 XP_045163807.1 61.6 73
28 0 211 283 141 213 4.40E-16 93.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011554 1735272 143.3 UdeM00000011554 XP_041367923.1 40
195 105 3 1 185 154 346 3.20E-31 143.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011555 8090 178.7 UdeM00000011555 XP_023808455.1 28.6 504
311 12 1 470 419 907 1.90E-41 178.7 8090 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
latipes

UdeM00000011556 10224 70.1 UdeM00000011556 XP_006822644.1 27.8 205
131 5 1 203 24 213 4.00E-09 70.1 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii

UdeM00000011558 29159 260 UdeM00000011558 XP_034318948.1 47 268
140 1 1 266 686 953 3.30E-66 260 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011557 6565 225.7 UdeM00000011557 XP_022306954.1 40.3 303
144 6 165 435 651 948 1.10E-55 225.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011557 6565 122.1 UdeM00000011557 XP_022306954.1 33.6 223
123 4 1 214 4 210 1.80E-24 122.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011560 29159 194.9 UdeM00000011560 XP_034315421.1 51.9 206
93 3 122 323 271 474 1.60E-46 194.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011561 6579 302.8 UdeM00000011561 XP_033729660.1 71.6 222
57 2 21 236 554 775 5.30E-79 302.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011562 6596 1005 UdeM00000011562 XP_045198471.1 82.9 598
101 1 1 597 1 598 4.30E-290 1005 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011563 6596 1006.9 UdeM00000011563 XP_045198471.1 83.3
598 99 1 1 597 1 598 1.10E-290 1006.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011564 133434 350.9 UdeM00000011564 XP_022085153.1 74.8
218 54 1 1 218 2 218 1.20E-93 350.9 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000011565 7741 927.2 UdeM00000011565 XP_019635977.1 99.6 451
2 0 1 451 1 451 8.20E-267 927.2 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000011566 7741 925.2 UdeM00000011566 XP_019635977.1 99.6 450
2 0 38 487 2 451 3.30E-266 925.2 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000011567 6596 608.6 UdeM00000011567 XP_045189298.1 81.1 429
52 7 3 403 8 435 7.70E-171 608.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011568 6596 594.7 UdeM00000011568 XP_045189298.1 80 429
48 7 3 394 8 435 1.10E-166 594.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011569 6596 605.9 UdeM00000011569 XP_045189298.1 80.4 429
48 6 3 396 8 435 4.90E-170 605.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011570 1735272 183.3 UdeM00000011570 XP_041371097.1 27.8
618 285 20 19 493 415 1014 7.40E-43 183.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011571 6596 169.9 UdeM00000011571 XP_045203602.1 33.8 346
206 10 9 346 47 377 9.30E-39 169.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011572 6565 120.2 UdeM00000011572 XP_022322237.1 86.2 65
9 0 17 81 16 80 1.30E-24 120.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011573 6596 3369.3 UdeM00000011573 XP_045214634.1 54.9
2964 1196 11 1 2905 113 2994 0.00E+00 3369.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011574 1735272 261.2 UdeM00000011574 XP_041368541.1 59
 178 73 0 4 181 3594 3771 1.00E-66 261.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011575 6596 1122.1 UdeM00000011575 XP_045214634.1 60.4
 854 314 6 11 861 3223 4055 0.00E+00 1122.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011576 6596 421.4 UdeM00000011576 XP_045214634.1 61.3 318
 106 2 9 326 3755 4055 1.10E-114 421.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011580 6596 1004.6 UdeM00000011580 XP_045197337.1 51.8
 1276 473 22 1 1249 1 1161 1.10E-289 1004.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011581 6596 1011.1 UdeM00000011581 XP_045197337.1 52.5
 1258 471 22 1 1229 1 1161 1.20E-291 1011.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011582 1735272 99 UdeM00000011582 XP_041378840.1 53.2
 77 36 0 7 83 235 311 3.60E-18 99 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011583 1735272 98.6 UdeM00000011583 XP_041378840.1 53.2
 77 36 0 7 83 235 311 5.20E-18 98.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011584 7574 198.7 UdeM00000011584 XP_013382110.1 42 257
 107 3 14 234 45 295 8.00E-48 198.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000011585 37653 143.7 UdeM00000011585 XP_014773457.1 41.5 183
 92 4 225 395 174 353 5.40E-31 143.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000011586 6579 988.8 UdeM00000011586 XP_033732617.1 46.1 1231
365 14 1 1224 62 1000 7.80E-285 988.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000011587 6596 932.9 UdeM00000011587 XP_045195737.1 60.6 785
294 5 7 780 5 785 2.60E-268 932.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011588 6596 139.4 UdeM00000011588 XP_045202652.1 49.3 152
56 2 1 131 1 152 3.20E-30 139.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011589 6596 118.2 UdeM00000011589 XP_045188039.1 69.7 76
23 0 1 76 44 119 5.60E-24 118.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011590 6596 136.7 UdeM00000011590 XP_045202653.1 47.2 163
81 2 1 163 53 210 2.70E-29 136.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011591 70779 73.6 UdeM00000011591 XP_015772101.1 50.7 73
32 1 1 73 1 69 1.50E-10 73.6 70779 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora digitifera

UdeM00000011592 1735272 92.8 UdeM00000011592 XP_041350033.1 29.8
218 75 3 1 144 74 287 4.40E-16 92.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis

UdeM00000011593 8049 259.2 UdeM00000011593 XP_030193753.1 35.9 376
225 4 131 501 17 381 1.10E-65 259.2 8049 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthopterygii; Paracanthopterygii; Zeiogadaria; Gadariae; Gadiformes; Gadoidei; Gadidae; Gadus; Gadus morhua

UdeM00000011595 52670 74.7 UdeM00000011595 XP_013855145.1 35.3 119
75 1 7 123 289 407 1.20E-10 74.7 52670 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthopterygii; Paracanthopterygii; Zeiogadaria; Gadariae; Gadiformes; Gadoidei; Gadidae; Gadus; Gadus morhua

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Cypriodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus limnaeus

UdeM00000011596 6579 600.9 UdeM00000011596 XP_033732612.1 51.2 1035
432 12 1 978 1 1019 2.90E-168 600.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011597 6565 121.3 UdeM00000011597 XP_022299727.1 35.2 233
93 3 1 176 46 277 1.40E-24 121.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011598 7739 128.3 UdeM00000011598 XP_035658706.1 92.6 68
5 0 1 68 31 98 3.90E-27 128.3 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000011599 6565 61.6 UdeM00000011599 XP_022299023.1 48.5 68
34 1 1 68 148 214 4.70E-07 61.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011600 7741 158.7 UdeM00000011600 XP_019640655.1 49 153
77 1 1 152 38 190 5.90E-36 158.7 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000011601 6565 103.6 UdeM00000011601 XP_022323617.1 67.1 79
22 1 1 79 259 333 1.20E-19 103.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011603 6596 429.5 UdeM00000011603 XP_045189459.1 79.1 277
57 1 1 276 275 551 3.30E-117 429.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011602 6596 540.4 UdeM00000011602 XP_045189459.1 79.8 401
80 1 1 400 275 675 3.40E-150 540.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011604 6596 1445.6 UdeM00000011604 XP_045189635.1 75.1
1006 203 5 1 1005 837 1796 0.00E+00 1445.6 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011605 6596 1471.8 UdeM00000011605 XP_045189635.1 78.6
 962 203 3 1 961 837 1796 0.00E+00 1471.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011606 6596 1446.4 UdeM00000011606 XP_045189635.1 77.3
 970 205 5 1 965 837 1796 0.00E+00 1446.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011607 6565 263.8 UdeM00000011607 XP_022323617.1 50.4 427
 170 18 34 434 2132 2542 3.70E-67 263.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011609 6596 705.3 UdeM00000011609 XP_045189252.1 67.8 519
 155 4 16 523 13 530 5.90E-200 705.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011610 400727 431.8 UdeM00000011610 XP_025112678.1 58.9
 336 135 1 29 364 28 360 1.50E-117 431.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000011611 400727 433.7 UdeM00000011611 XP_025112678.1 58.9
 336 135 1 10 345 28 360 2.20E-118 433.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000011612 29159 335.9 UdeM00000011612 XP_011435096.2 63.3 256
 93 1 8 262 373 628 4.70E-89 335.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011613 29159 132.9 UdeM00000011613 XP_011445438.1 24.3 461
 273 12 14 466 11 403 1.20E-27 132.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011614 64176 166 UdeM00000011614 XP_028567204.1 27.1 462
 285 22 225 673 2697 3119 2.00E-37 166 64176 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Laterata;Lacertibaenia;L
 acertidae;Lacertinae;Podarcis;Podarcis muralis

UdeM00000011615 45264 163.7 UdeM00000011615 XP_044180189.1 27.5 432
 284 15 428 853 3260 3668 1.20E-36 163.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000011616 64176 161 UdeM00000011616 XP_028567204.1 26.7 427
 251 18 385 805 2696 3066 8.00E-36 161 64176 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Laterata;Lacertibaenia;L
 acertidae;Lacertinae;Podarcis;Podarcis muralis
 UdeM00000011617 61221 128.3 UdeM00000011617 XP_044284061.1 29.6 280
 160 10 390 666 2533 2778 4.30E-26 128.3 61221 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Anguimorpha;P
 aleoanguimorpha;Varanoidea;Varanidae;Varanus;Varanus komodoensis
 UdeM00000011618 7654 82.4 UdeM00000011618 XP_041476506.1 36.3 124
 70 3 65 186 397 513 7.20E-13 82.4 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000011619 7654 84.7 UdeM00000011619 XP_041476506.1 36.3 124
 70 3 353 474 397 513 3.50E-13 84.7 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000011620 37653 74.7 UdeM00000011620 XP_014783575.1 31.7 120
 79 2 11 130 6 122 1.10E-10 74.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000011621 225164 65.1 UdeM00000011621 XP_009065599.1 28.2
 149 74 4 29 153 59 198 9.20E-08 65.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000011623 6596 389.4 UdeM00000011623 XP_045198960.1 39.2 783
 345 14 114 801 710 1456 1.10E-104 389.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011622 6596 555.4 UdeM00000011622 XP_045198960.1 41.8 1516
 651 25 30 1409 36 1456 2.00E-154 555.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011624 6596 538.9 UdeM00000011624 XP_045198960.1 41 1524
 675 24 30 1432 36 1456 2.00E-149 538.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011625 6500 214.2 UdeM00000011625 XP_005103567.1 73.4 143
38 0 1 143 1 143 1.10E-52 214.2 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000011626 6596 194.5 UdeM00000011626 XP_045205279.1 100 96
0 0 1 96 1 96 6.20E-47 194.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011627 45264 164.5 UdeM00000011627 XP_044167060.1 35.8 324
191 7 6 319 5 321 2.30E-37 164.5 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000011628 6596 253.4 UdeM00000011628 XP_045181920.1 51.6 217
104 1 1 217 55 270 2.70E-64 253.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011629 6565 161 UdeM00000011629 XP_022328252.1 44.8 210
98 5 1 192 1106 1315 1.50E-36 161 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011630 6565 344.4 UdeM00000011630 XP_022328252.1 50.5 364
161 6 1 346 953 1315 1.70E-91 344.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011631 6596 145.6 UdeM00000011631 XP_045201841.1 36 222
136 2 145 360 200 421 1.20E-31 145.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011632 29159 281.6 UdeM00000011632 XP_034300849.1 46.9 456
119 3 118 573 563 895 2.30E-72 281.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011633 6573 184.1 UdeM00000011633 XP_021362361.1 52.4 187
89 0 3356 3542 300 486 3.10E-42 184.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011634 6579 303.1 UdeM00000011634 XP_033732387.1 56.5 317
123 4 1 312 6 312 2.00E-78 303.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011635 400727 320.9 UdeM00000011635 XP_025112993.1 48.4
351 130 3 5 351 10 313 2.10E-84 320.9 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000011636 400727 367.9 UdeM00000011636 XP_025113000.1 60.1
318 105 5 48 362 11 309 1.50E-98 367.9 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000011637 6596 293.5 UdeM00000011637 XP_045165679.1 60.6 350
129 3 14 362 356 697 3.70E-76 293.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011638 6596 591.3 UdeM00000011638 XP_045204836.1 71.2 393
111 2 1 393 1 391 9.30E-166 591.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011639 6596 189.5 UdeM00000011639 XP_045186486.1 37.7 345
169 8 1 331 1 313 1.20E-44 189.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011640 6596 104 UdeM00000011640 XP_045186486.1 33.8 195
101 4 2 182 133 313 4.40E-19 104 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011641 6596 199.1 UdeM00000011641 XP_045186394.1 72.4 123
34 0 1 123 1 123 3.20E-48 199.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011643 6596 188.3 UdeM00000011643 XP_045186180.1 71.1 114
32 1 5 117 13 126 5.40E-45 188.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011642 6596 188.3 UdeM00000011642 XP_045186180.1 71.1 114
32 1 5 117 13 126 5.40E-45 188.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011644 6596 188.3 UdeM00000011644 XP_045186180.1 71.1 114
32 1 5 117 13 126 5.40E-45 188.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011645 1735272 127.1 UdeM00000011645 XP_041370101.1 62.2
111 41 1 11 120 4 114 1.70E-26 127.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011646 29159 650.6 UdeM00000011646 XP_011449094.1 76.6 381
86 1 10 387 141 521 1.30E-183 650.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011647 225164 68.9 UdeM00000011647 XP_009066026.1 26.4
349 235 12 23 360 26 363 1.90E-08 68.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000011648 6596 110.5 UdeM00000011648 XP_045202205.1 37.4 198
103 7 28 221 15 195 2.70E-21 110.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011649 6596 616.7 UdeM00000011649 XP_045189694.1 82.1 386
56 6 1 378 1 381 2.00E-173 616.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011650 6579 470.3 UdeM00000011650 XP_033762715.1 68 306
98 0 18 323 31 336 2.00E-129 470.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011651 6526 157.1 UdeM00000011651 XP_013085871.1 68.7 99
31 0 19 117 12 110 1.60E-35 157.1 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pantapulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000011652 6573 251.5 UdeM00000011652 XP_021375983.1 75 144
36 0 63 206 47 190 9.30E-64 251.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011654 8078 292.7 UdeM00000011654 XP_035994673.1 60.3 234
 63 1 1 204 196 429 3.60E-76 292.7 8078 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoides;Fundulidae;Fundulus;Fundulus
 heteroclitus

UdeM00000011657 29159 119.8 UdeM00000011657 XP_019926413.2 30 317
 59 5 1 161 292 601 4.30E-24 119.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011658 29159 203 UdeM00000011658 XP_019926413.2 73.5 136
 35 1 1 135 1 136 2.40E-49 203 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011660 6565 296.2 UdeM00000011660 XP_022324031.1 41.1 406
 221 7 46 436 6 408 8.50E-77 296.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011661 6596 114 UdeM00000011661 XP_045194463.1 33.8 240
 124 7 11 220 28 262 2.50E-22 114 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000011662 2652724 395.6 UdeM00000011662 XP_028512668.1 39
 472 261 5 44 488 71 542 1.20E-106 395.6 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000011663 2652724 395.6 UdeM00000011663 XP_028512668.1 39
 472 261 5 14 458 71 542 1.10E-106 395.6 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000011664 6596 152.5 UdeM00000011664 XP_045200750.1 45 149
 82 0 10 158 9 157 4.60E-34 152.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000011665 6596 268.9 UdeM00000011665 XP_045200737.1 47.3 313
 145 5 66 364 67 373 1.30E-68 268.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000011666 6596 66.6 UdeM00000011666 XP_045175451.1 42.1 95
 55 0 355 449 427 521 9.20E-08 66.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011667 6579 330.9 UdeM00000011667 XP_033762673.1 63 254
94 0 1 254 1 254 1.50E-87 330.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011668 46514 89.4 UdeM00000011668 XP_038062873.1 57.5 73
31 0 1 73 21 93 2.70E-15 89.4 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000011669 6579 294.7 UdeM00000011669 XP_033762673.1 57.1 254
109 0 1 254 1 254 1.20E-76 294.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011670 29159 111.3 UdeM00000011670 XP_011452223.2 32.4 219
104 10 4 217 48 227 3.40E-21 111.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011671 29159 106.7 UdeM00000011671 XP_011452223.2 32.9 213
99 10 23 230 54 227 8.70E-20 106.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011672 29159 101.3 UdeM00000011672 XP_011440604.2 42.9 119
64 3 3 117 1 119 1.00E-18 101.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011676 7574 310.8 UdeM00000011676 XP_013381563.1 43.6 344
175 7 91 424 52 386 2.80E-81 310.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000011677 6596 126.3 UdeM00000011677 XP_045190077.1 56.1 123
47 2 1 118 1 121 2.50E-26 126.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011679 70779 83.6 UdeM00000011679 XP_015777172.1 39.4 94
57 0 5 98 43 136 2.10E-13 83.6 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000011680 70779 84.3 UdeM00000011680 XP_015777172.1 38.9 95
58 0 5 99 43 137 1.00E-13 84.3 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000011682 225164 99.4 UdeM00000011682 XP_009054455.1 20.7
 468 343 7 1 463 95 539 1.30E-17 99.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000042417 1735272 121.7 UdeM00000042417 XP_041379632.1 32.8
 274 170 6 73 343 231 493 1.90E-24 121.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042423 6565 100.5 UdeM00000042423 XP_022299012.1 42.1 121
 68 1 41 161 26 144 2.00E-18 100.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042424 29159 327.8 UdeM00000042424 XP_034334268.1 52.3 285
 133 1 1 285 69 350 1.40E-86 327.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042425 7604 79.3 UdeM00000042425 XP_033647944.1 49.3 69
 35 0 8 76 11 79 2.30E-12 79.3 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroiidae;Asturias;Asturias rubens
 UdeM00000039734 6596 375.2 UdeM00000039734 XP_045210058.1 63.2 299
 75 3 1 293 1 270 7.80E-101 375.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039736 6596 453 UdeM00000039736 XP_045210058.1 78.9 270
 57 0 1 270 1 270 2.70E-124 453 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039737 6596 117.9 UdeM00000039737 XP_045202576.1 47.7 151
 71 2 1 143 87 237 1.60E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039738 6596 178.3 UdeM00000039738 XP_045206316.1 48.4 186
 95 1 51 235 90 275 1.10E-41 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039739 6596 222.2 UdeM00000039739 XP_045186396.1 35.7 294
 186 2 92 385 26 316 1.10E-54 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039742 6596 117.5 UdeM00000039742 XP_045202576.1 47.7 151
 71 2 1 143 87 237 2.10E-23 117.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039743 6596 183.3 UdeM00000039743 XP_045206316.1 49.5 186
 93 1 51 235 90 275 3.50E-43 183.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039744 6596 222.2 UdeM00000039744 XP_045186396.1 35.7 294
 186 2 214 507 26 316 1.50E-54 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039747 6596 223.8 UdeM00000039747 XP_045186396.1 36.1 294
 187 1 96 389 25 317 3.90E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039748 6596 235.3 UdeM00000039748 XP_045186396.1 37.1 294
 184 1 194 487 25 317 1.60E-58 235.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039749 6596 222.6 UdeM00000039749 XP_045210059.1 53 217
 96 3 18 234 24 234 5.30E-55 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039750 6596 290 UdeM00000039750 XP_045207432.1 49.5 285
 141 2 17 299 16 299 3.50E-75 290 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039751 6596 251.1 UdeM00000039751 XP_045207432.1 48.4 256
 126 2 1 251 45 299 1.80E-63 251.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039752 6596 732.3 UdeM00000039752 XP_045207076.1 44.8 824
 433 10 10 822 11 823 7.00E-208 732.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039753 6596 1318.1 UdeM00000039753 XP_045207071.1 60.6
 1221 398 16 27 1176 18 1226 0.00E+00 1318.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039754 6579 367.9 UdeM00000039754 XP_033732916.1 76.3 228
 54 0 4 231 3 230 1.00E-98 367.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039755 6579 119 UdeM00000039755 XP_033731739.1 53.8 93
 43 0 3 95 268 360 3.40E-24 119 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039756 6596 312 UdeM00000039756 XP_045209702.1 42.1 560
 264 16 1 517 1 543 1.40E-81 312 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039757 6596 302.8 UdeM00000039757 XP_045209702.1 51.3 351
 126 11 47 360 543 885 7.70E-79 302.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039758 6596 725.3 UdeM00000039758 XP_045210376.1 64 561
 193 4 94 651 74 628 6.90E-206 725.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039759 6579 58.9 UdeM00000039759 XP_033730472.1 32.6 86
 57 1 1 86 203 287 5.50E-06 58.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039760 1735272 160.6 UdeM00000039760 XP_041363019.1 52.5
 139 63 1 38 176 76 211 2.00E-36 160.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039761 1735272 154.5 UdeM00000039761 XP_041363019.1 51.5
 134 65 0 34 167 71 204 1.40E-34 154.5 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000039763 6596 250.8 UdeM00000039763 XP_045210369.1 59 195
80 0 10 204 1100 1294 1.60E-63 250.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039764 6565 126.7 UdeM00000039764 XP_022299727.1 48.2 139
70 2 4 141 140 277 2.70E-26 126.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000039765 6596 271.9 UdeM00000039765 XP_045210369.1 54.8 230
104 0 8 237 868 1097 8.40E-70 271.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039766 6596 247.7 UdeM00000039766 XP_045210369.1 55.6 207
92 0 8 214 868 1074 1.40E-62 247.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039767 6596 680.2 UdeM00000039767 XP_045210369.1 46.2 795
400 12 11 795 84 860 3.10E-192 680.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039768 6596 650.2 UdeM00000039768 XP_045210369.1 46.1 766
385 12 11 766 84 831 3.30E-183 650.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039771 6596 77.4 UdeM00000039771 XP_045208452.1 36.8 106
66 1 369 474 36 140 6.30E-11 77.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039774 6596 163.3 UdeM00000039774 XP_045207139.1 47.1 187
97 1 3 189 2 186 3.10E-37 163.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039775 6573 436.8 UdeM00000039775 XP_021348784.1 42.7 919
382 23 3 884 4 814 6.50E-119 436.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039776 6596 202.6 UdeM00000039776 XP_045207818.1 67.8 149
 44 2 40 184 3 151 4.30E-49 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000039777 6596 583.6 UdeM00000039777 XP_045207189.1 59.9 484
 191 1 45 528 55 535 2.60E-163 583.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000039778 6596 1288.9 UdeM00000039778 XP_045209098.1 55.1
 1178 498 5 21 1177 1888 3055 0.00E+00 1288.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000039779 6596 1353.2 UdeM00000039779 XP_045209098.1 54.5
 1256 541 8 10 1247 1878 3120 0.00E+00 1353.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000039781 6573 688.3 UdeM00000039781 XP_021357092.1 37.6 1137
 623 15 1 1098 1 1089 1.70E-194 688.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039783 225164 469.5 UdeM00000039783 XP_009046545.1 69.1
 327 100 1 30 356 18 343 3.90E-129 469.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea
 UdeM00000039785 6579 450.7 UdeM00000039785 XP_033759783.1 57.4 376
 156 4 2 374 83 457 1.90E-123 450.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039786 6579 278.9 UdeM00000039786 XP_033759783.1 38.4 437
 80 6 21 269 22 457 7.00E-72 278.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039789 225164 1459.5 UdeM00000039789 XP_009059178.1
 84.3 858 131 3 1 857 370 1224 0.00E+00 1459.5
 225164 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000039788 225164 2173.3 UdeM00000039788 XP_009059178.1
85.2 1227 177 3 1 1226 1 1224 0.00E+00 2173.3
225164 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000039790 6579 1115.5 UdeM00000039790 XP_033732029.1 63.8
860 308 2 62 919 222 1080 0.00E+00 1115.5 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039792 400727 336.3 UdeM00000039792 XP_025081059.1 87.7
187 23 0 1 187 42 228 3.00E-89 336.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039793 400727 145.2 UdeM00000039793 XP_025081059.1 72.3
94 26 0 1 94 42 135 4.40E-32 145.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039794 37653 228.4 UdeM00000039794 XP_014776436.1 70.7 198
30 2 19 211 44 218 8.50E-57 228.4 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000039795 37653 246.9 UdeM00000039795 XP_014776436.1 75.8 198
24 2 19 215 44 218 2.30E-62 246.9 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000039796 37653 262.3 UdeM00000039796 XP_014776436.1 85.7 175
24 1 19 192 44 218 4.80E-67 262.3 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000039797 37653 243.8 UdeM00000039797 XP_014776436.1 80 175
30 1 19 188 44 218 1.70E-61 243.8 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000039798 400727 255 UdeM00000039798 XP_025082270.1 64.6
181 61 1 23 200 30 210 1.30E-64 255 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039799 400727 255 UdeM00000039799 XP_025082270.1 64.6
181 61 1 23 200 30 210 1.30E-64 255 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000039800 400727 255 UdeM00000039800 XP_025082270.1 64.6
181 61 1 23 200 30 210 1.30E-64 255 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000039801 400727 255 UdeM00000039801 XP_025082270.1 64.6
181 61 1 23 200 30 210 1.30E-64 255 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000039803 1735272 625.9 UdeM00000039803 XP_041372160.1 41.2
849 452 12 13 840 1180 2002 7.20E-176 625.9 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000039804 6596 600.9 UdeM00000039804 XP_045209803.1 40.5 730
374 13 34 708 25 749 2.10E-168 600.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039806 6596 1055.4 UdeM00000039806 XP_045209078.1 23.9
3575 1372 78 8 2312 7 3501 1.10E-304 1055.4 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039807 6596 1060.4 UdeM00000039807 XP_045209078.1 23.9
3575 1372 77 8 2313 7 3501 3.40E-306 1060.4 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039808 6573 85.5 UdeM00000039808 XP_021349937.1 35.7 115
72 2 1 114 1 114 5.00E-14 85.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000039809 29159 307.8 UdeM00000039809 XP_011435335.2 51 355
131 7 2 356 45 356 1.80E-80 307.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000039810 6596 167.2 UdeM00000039810 XP_045207458.1 47.2 161
79 2 7 163 2 160 1.80E-38 167.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039811 6596 180.6 UdeM00000039811 XP_045207458.1 51 143
70 0 11 153 7 149 1.50E-42 180.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039815 29159 110.9 UdeM00000039815 XP_034315421.1 54.5 112
46 2 3 110 364 474 1.10E-21 110.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039816 37621 99.8 UdeM00000039816 XP_014663462.1 43.5 108
51 2 4 111 25 122 3.00E-18 99.8 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000039817 7574 269.2 UdeM00000039817 XP_023932024.1 43.4 334
182 5 60 390 30 359 8.00E-69 269.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000039818 6565 303.9 UdeM00000039818 XP_022292556.1 47.9 315
160 3 4 315 31 344 2.40E-79 303.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039819 6573 94.7 UdeM00000039819 XP_021368513.1 40.3 134
72 2 2 135 325 450 9.40E-17 94.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039820 6565 331.6 UdeM00000039820 XP_022292556.1 45.8 367
163 3 7 337 61 427 1.20E-87 331.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042879 6596 374.4 UdeM00000042879 XP_045173200.1 48.9 438
175 7 4 402 1 428 1.80E-100 374.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042880 6596 614 UdeM00000042880 XP_045189332.1 77.4 390
87 1 1 389 1 390 1.30E-172 614 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042882 6596 690.6 UdeM00000042882 XP_045189331.1 87.2 453
49 4 1 448 1 449 1.30E-195 690.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042883 6596 655.2 UdeM00000042883 XP_045189331.1 89 417
43 1 1 414 33 449 5.50E-185 655.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042884 6579 292.4 UdeM00000042884 XP_033756795.1 59.2 233
91 1 1 229 1 233 5.40E-76 292.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042885 6596 391.3 UdeM00000042885 XP_045189317.1 33.6 789
436 17 1 780 1 710 2.90E-105 391.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042886 6596 321.2 UdeM00000042886 XP_045190565.1 40.7 405
217 5 13 405 15 408 1.80E-84 321.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042887 6596 254.2 UdeM00000042887 XP_045187824.1 35.8 394
230 6 20 402 19 400 2.80E-64 254.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042888 6596 317.8 UdeM00000042888 XP_045190997.1 45.3 342
186 1 29 370 14 354 2.70E-83 317.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042889 6596 318.2 UdeM00000042889 XP_045190565.1 44.5 393
210 5 16 404 16 404 1.60E-83 318.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042890 1735272 418.3 UdeM00000042890 XP_041368606.1 35.2
676 373 6 42 715 62 674 2.00E-113 418.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042891 6596 362.1 UdeM00000042891 XP_045188211.1 52.7 366
149 4 1 345 1 363 8.00E-97 362.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042892 6573 296.6 UdeM00000042892 XP_021353225.1 35.3 743
354 22 1 670 1 689 8.10E-77 296.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042893 6596 1375.9 UdeM00000042893 XP_045158029.1 44.8
1621 861 21 2 1604 132 1737 0.00E+00 1375.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042896 7604 303.5 UdeM00000042896 XP_033633146.1 41 390
212 3 262 633 29 418 6.90E-79 303.5 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatacida;Asteroidea;Asteroidea;Asteroidea rubens

UdeM00000042898 29159 87 UdeM00000042898 XP_034329650.1 45.8 72
39 0 9 80 307 378 1.20E-14 87 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042899 29159 523.9 UdeM00000042899 XP_034302047.1 35.8 839
528 8 14 849 87 917 4.00E-145 523.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042901 7668 236.1 UdeM00000042901 XP_011666894.1 40.2 343
179 8 7 332 5 338 6.70E-59 236.1 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000042902 441366 160.2 UdeM00000042902 XP_028326620.1 46.8
186 90 4 20 204 103 280 3.00E-36 160.2 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000042903 6596 288.5 UdeM00000042903 XP_045204116.1 52.6 340
148 8 1 334 5 337 1.10E-74 288.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042904 6596 134.4 UdeM00000042904 XP_045203359.1 33.9 251
158 4 208 453 48 295 3.60E-28 134.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042906 10224 347.4 UdeM00000042906 XP_002736880.1 58.3 283
116 2 32 312 35 317 2.20E-92 347.4 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000042907 6596 757.7 UdeM00000042907 XP_045203695.1 59.1 618
248 4 1 615 66 681 1.20E-215 757.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042908 29159 525.8 UdeM00000042908 XP_011451018.2 54.3 497
224 2 108 604 263 756 7.70E-146 525.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042909 29159 527.7 UdeM00000042909 XP_011451018.2 54.3 501
226 2 108 608 263 760 2.10E-146 527.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042910 29159 96.7 UdeM00000042910 XP_011451009.2 40.8 125
72 1 128 252 263 385 4.60E-17 96.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042911 114398 427.6 UdeM00000042911 XP_042903861.1 38.9
609 361 6 1 605 1 602 2.70E-116 427.6 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM00000042912 6596 718.8 UdeM00000042912 XP_045204309.1 51.2 729
318 13 4 714 172 880 7.20E-204 718.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042913 114398 428.3 UdeM00000042913 XP_042903861.1 38.8
609 362 6 1 605 1 602 1.60E-116 428.3 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM00000042914 6596 130.2 UdeM00000042914 XP_045206207.1 51.2 121
59 0 62 182 1 121 3.00E-27 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042915 6573 94.7 UdeM00000042915 XP_021365625.1 52.9 87
 41 0 14 100 40 126 1.50E-16 94.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017366 6596 104.4 UdeM00000017366 XP_045176094.1 53.3 90
 41 1 162 251 81 169 2.90E-19 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017367 6596 127.9 UdeM00000017367 XP_045176094.1 42.3 163
 85 3 156 312 81 240 2.50E-26 127.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017368 6565 456.4 UdeM00000017368 XP_022324540.1 35.8 858
 516 19 20 873 27 853 9.20E-125 456.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017369 6565 333.6 UdeM00000017369 XP_022337291.1 32.1 864
 490 27 7 809 62 889 8.20E-88 333.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017370 6596 526.2 UdeM00000017370 XP_045173468.1 38.4 872
 497 20 4 860 2 848 9.60E-146 526.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017371 6579 452.2 UdeM00000017371 XP_033727403.1 39.4 617
 347 13 44 649 43 643 1.10E-123 452.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017373 6579 453.8 UdeM00000017373 XP_033727403.1 38.5 618
 362 7 38 647 31 638 3.90E-124 453.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017374 6596 189.9 UdeM00000017374 XP_045215724.1 25.1 546
 343 10 7 536 240 735 8.90E-45 189.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017375 6596 166.8 UdeM00000017375 XP_045182112.1 27.4 485
 294 10 67 544 311 744 8.10E-38 166.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017376 6596 407.5 UdeM00000017376 XP_045180699.1 40.8 574
283 9 2 540 133 684 2.70E-110 407.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017377 6596 479.2 UdeM00000017377 XP_045180699.1 43.4 636
297 12 41 641 77 684 8.60E-132 479.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017381 6573 149.8 UdeM00000017381 XP_021343481.1 33.7 261
133 7 26 283 28 251 6.20E-33 149.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017380 6573 149.8 UdeM00000017380 XP_021343481.1 33.7 261
133 7 54 311 28 251 6.70E-33 149.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017382 6596 373.6 UdeM00000017382 XP_045177776.1 38.3 520
301 5 1 517 405 907 5.30E-100 373.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017383 6596 492.7 UdeM00000017383 XP_045177776.1 35.7 734
446 7 1 731 405 1115 8.40E-136 492.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017384 6596 389.8 UdeM00000017384 XP_045177776.1 37.7 554
316 6 1 548 405 935 7.30E-105 389.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017387 6596 101.3 UdeM00000017387 XP_045177776.1 57.5 80
34 0 1 80 405 484 6.60E-19 101.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017390 6565 120.6 UdeM00000017390 XP_022302393.1 47.7 128
54 3 3 129 59 174 2.00E-24 120.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017391 6596 210.3 UdeM00000017391 XP_045206702.1 25.1 750
 484 14 47 767 37 737 8.90E-51 210.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017395 6596 100.1 UdeM00000017395 XP_045182112.1 31.8 173
 118 0 1 173 572 744 3.20E-18 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017396 6596 201.8 UdeM00000017396 XP_045161856.1 27.1 764
 478 14 15 750 34 746 3.10E-48 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017397 6596 103.6 UdeM00000017397 XP_045206136.1 32.7 171
 111 2 144 310 253 423 4.90E-19 103.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017398 6596 277.3 UdeM00000017398 XP_045187052.1 48.3 292
 144 4 18 306 47 334 2.30E-71 277.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017399 6596 166.4 UdeM00000017399 XP_045206702.1 21.3 748
 419 14 47 671 37 737 1.30E-37 166.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017400 6596 212.2 UdeM00000017400 XP_045206702.1 24.4 755
 483 14 47 767 37 737 2.40E-51 212.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017401 6596 168.7 UdeM00000017401 XP_045182112.1 27.4 405
 243 5 6 406 387 744 1.60E-38 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017403 6565 94.4 UdeM00000017403 XP_022310590.1 40.7 108
 64 0 219 326 483 590 3.00E-16 94.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017405 6573 150.6 UdeM00000017405 XP_021343481.1 34.1 261
 132 7 26 283 28 251 3.70E-33 150.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017406 29159 97.1 UdeM00000017406 XP_034325075.1 31.1 183
 87 2 100 243 15 197 3.50E-17 97.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017407 6596 369.4 UdeM00000017407 XP_045177776.1 37.8 526
 307 5 1 523 405 913 9.90E-99 369.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017409 6596 97.8 UdeM00000017409 XP_045177776.1 51.8 85
 41 0 6 90 823 907 2.10E-17 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017410 6596 278.5 UdeM00000017410 XP_045177776.1 36.2 434
 257 5 1 431 405 821 1.50E-71 278.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017411 6596 79.7 UdeM00000017411 XP_045186033.1 30.4 158
 108 2 241 398 23 178 9.80E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017412 6579 265.4 UdeM00000017412 XP_033730606.1 43.9 358
 184 8 1 347 1 352 1.00E-67 265.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017413 6565 120.6 UdeM00000017413 XP_022299602.1 45.5 132
 70 2 238 369 2 131 4.40E-24 120.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017414 6573 182.6 UdeM00000017414 XP_021371412.1 41.2 238
 130 5 82 313 970 1203 8.20E-43 182.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017415 6596 213.4 UdeM00000017415 XP_045215724.1 24.2 795
 500 22 33 786 4 736 1.10E-51 213.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017416 1735272 768.5 UdeM00000017416 XP_041373141.1 50.1
796 373 8 7 786 12 799 8.40E-219 768.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017417 1735272 313.5 UdeM00000017417 XP_041379319.1 49.2
301 150 2 1 300 624 922 2.90E-82 313.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017418 94835 60.5 UdeM00000017418 XP_019382070.1 29.7 145
94 5 174 318 307 443 4.70E-06 60.5 94835 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Crocodylia;Longirostres;Gavialidae;Gavialinae;Gavialis;Gavialis gangeticus

UdeM00000017419 6596 152.5 UdeM00000017419 XP_045182455.1 27.2 408
250 7 1 406 391 753 1.20E-33 152.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017420 6596 343.2 UdeM00000017420 XP_045177779.1 36.7 507
312 5 1 505 80 579 7.40E-91 343.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017421 6596 211.1 UdeM00000017421 XP_045206702.1 25.1 749
485 12 47 767 37 737 5.20E-51 211.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017423 6596 112.1 UdeM00000017423 XP_045206136.1 31.1 164
109 1 59 222 270 429 9.40E-22 112.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017424 6573 150.6 UdeM00000017424 XP_021343481.1 34.1 261
132 7 26 283 28 251 3.70E-33 150.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017425 6596 377.1 UdeM00000017425 XP_045177779.1 37.8 527
301 5 1 516 97 607 4.60E-101 377.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017430 6573 177.9 UdeM00000017430 XP_021346189.1 49.7 185
 65 3 1 161 22 202 1.00E-41 177.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017431 7668 318.2 UdeM00000017431 XP_030845845.1 38.3 413
 166 1 55 378 29 441 1.70E-83 318.2 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus
 UdeM00000017432 6596 95.5 UdeM00000017432 XP_045216400.1 34 159
 101 3 3 160 39 194 6.90E-17 95.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017433 6565 123.6 UdeM00000017433 XP_022299602.1 45.5 132
 70 2 89 220 2 131 3.20E-25 123.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017434 6596 342.8 UdeM00000017434 XP_045177776.1 38.7 520
 264 6 1 476 405 913 7.10E-91 342.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017435 6596 293.1 UdeM00000017435 XP_045177776.1 43.1 346
 192 3 38 381 609 951 8.30E-76 293.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017437 6596 143.3 UdeM00000017437 XP_045182112.1 29.2 264
 184 3 1 263 483 744 4.70E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017438 6596 158.3 UdeM00000017438 XP_045182112.1 27 403
 247 5 6 406 387 744 2.20E-35 158.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017439 6596 170.6 UdeM00000017439 XP_045182112.1 27.7 405
 242 5 6 406 387 744 4.20E-39 170.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017440 6596 161.4 UdeM00000017440 XP_045182112.1 26.6 403
 249 4 6 406 387 744 2.60E-36 161.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017442 6596 136.7 UdeM00000017442 XP_045182112.1 31.1 264
 179 3 1 263 483 744 4.50E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017443 6596 205.7 UdeM00000017443 XP_045206702.1 24.7 750
 487 14 47 767 37 737 2.20E-49 205.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017446 6596 90.1 UdeM00000017446 XP_045182112.1 35.7 129
 83 0 40 168 616 744 3.20E-15 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017447 6596 199.9 UdeM00000017447 XP_045161856.1 26.2 764
 485 14 49 784 34 746 1.20E-47 199.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017448 6596 107.1 UdeM00000017448 XP_045206136.1 33.3 171
 110 2 144 310 253 423 4.40E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017449 6596 185.3 UdeM00000017449 XP_045206702.1 23.9 748
 495 16 47 767 37 737 3.10E-43 185.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017450 6596 75.5 UdeM00000017450 XP_045192984.1 27.4 168
 120 2 34 201 13 178 1.00E-10 75.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017451 6596 251.9 UdeM00000017451 XP_045177776.1 33.1 538
 311 14 1 518 405 913 3.70E-63 251.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017452 6565 468.8 UdeM00000017452 XP_022320668.1 44.9 593
 258 10 281 825 185 756 1.50E-128 468.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017453 29159 148.7 UdeM00000017453 XP_034339171.1 39.8 211
 119 6 7 213 564 770 8.60E-33 148.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017454 6596 157.9 UdeM00000017454 XP_045182112.1 26.4 405
 247 5 6 406 387 744 2.80E-35 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017456 6596 149.4 UdeM00000017456 XP_045182112.1 25.4 401
 256 2 6 406 387 744 1.00E-32 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017457 6596 115.9 UdeM00000017457 XP_045182112.1 31.2 231
 151 3 6 232 518 744 7.30E-23 115.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017458 6596 185.7 UdeM00000017458 XP_045182112.1 23.5 799
 515 18 80 849 13 744 2.60E-43 185.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044083 6596 460.7 UdeM00000044083 XP_045207279.1 81.9 270
 49 0 1 270 156 425 1.30E-126 460.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044084 29159 101.3 UdeM00000044084 XP_034307341.1 42.9 98
 56 0 11 108 211 308 8.00E-19 101.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044085 6579 102.8 UdeM00000044085 XP_033729790.1 35.3 153
 94 2 39 190 84 232 1.10E-18 102.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044086 6579 91.3 UdeM00000044086 XP_033761565.1 47.2 89
 47 0 155 243 195 283 1.90E-15 91.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000044089 6596 317.4 UdeM00000044089 XP_045208720.1 25.4 1252
624 32 8 974 50 1276 6.40E-83 317.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000044091 45351 80.1 UdeM00000044091 XP_001623471.2 34.5 145
77 3 10 138 12 154 2.50E-12 80.1 45351 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
UdeM00000044092 29159 344 UdeM00000044092 XP_034330259.1 39.4 490
253 13 1 483 331 783 3.20E-91 344 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000044095 6579 317.4 UdeM00000044095 XP_033747061.1 49.1 340
166 4 1 339 22 355 2.20E-83 317.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000044096 7739 121.7 UdeM00000044096 XP_035686596.1 28.9 304
153 8 1 251 1 294 1.40E-24 121.7 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
UdeM00000044098 6565 99.4 UdeM00000044098 XP_022287303.1 29.8 238
113 7 19 204 459 694 6.40E-18 99.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000044099 6565 471.1 UdeM00000044099 XP_022334993.1 52.5 451
176 6 3 450 381 796 1.60E-129 471.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000044101 6579 303.1 UdeM00000044101 XP_033756871.1 31.8 655
410 16 4 642 22 655 1.00E-78 303.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000044103 6596 352.1 UdeM00000044103 XP_045166082.1 31.6 895
487 19 23 900 17 803 2.20E-93 352.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000044105 29159 284.3 UdeM00000044105 XP_011428416.3 32.4 584
360 16 29 588 20 592 3.80E-73 284.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000044106 29159 266.9 UdeM00000044106 XP_011428416.3 31.1 575
 347 16 29 565 20 583 5.90E-68 266.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030355 6596 146.7 UdeM00000030355 XP_045169559.1 71 107
 30 1 7 113 16 121 2.10E-32 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030356 6596 305.4 UdeM00000030356 XP_045169559.1 59 268
 101 3 19 280 122 386 7.20E-80 305.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030357 6596 534.6 UdeM00000030357 XP_045168616.1 55 469
 208 3 1 467 16 483 1.20E-148 534.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030358 7955 134.8 UdeM00000030358 NP_955902.1 77.4 84 19
 0 3 86 4 87 5.30E-29 134.8 7955 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 ideii;Danionidae;Danioninae;Danio;Danio rerio
 UdeM00000030359 6596 506.5 UdeM00000030359 XP_045168375.1 40.2 966
 440 22 1 867 361 1287 7.90E-140 506.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030360 6596 146 UdeM00000030360 XP_045168378.1 47.7 174
 74 5 12 184 22 179 5.00E-32 146 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030361 6596 136.7 UdeM00000030361 XP_045168369.1 66.3 104
 34 1 9 111 42 145 1.80E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030362 6596 429.5 UdeM00000030362 XP_045206867.1 39.3 578
 333 7 8 573 12 583 6.80E-117 429.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030363 6596 501.9 UdeM00000030363 XP_045168505.1 50.9 534
 206 9 4 483 14 545 9.30E-139 501.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030364 6596 490.7 UdeM00000030364 XP_045168505.1 49.3 552
 206 10 4 501 14 545 2.20E-135 490.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030365 7739 580.9 UdeM00000030365 XP_035696678.1 57.2 481
 203 1 2 479 423 903 1.60E-162 580.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000030366 1735272 500.4 UdeM00000030366 XP_041366704.1 65.9
 346 115 2 7 352 3 345 2.40E-138 500.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030367 6596 268.9 UdeM00000030367 XP_045169901.1 36.3 496
 280 6 95 572 3 480 2.30E-68 268.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030368 6596 288.1 UdeM00000030368 XP_045169901.1 36.4 461
 275 7 54 506 53 503 2.40E-74 288.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030369 6596 293.5 UdeM00000030369 XP_045169901.1 35.9 454
 283 4 54 504 55 503 5.50E-76 293.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030370 6596 198.7 UdeM00000030370 XP_045168752.1 59.8 164
 63 1 2 165 14 174 5.70E-48 198.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030371 6579 602.1 UdeM00000030371 XP_033749460.1 73.4 387
 99 2 1 383 1 387 5.10E-169 602.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030372 6579 575.1 UdeM00000030372 XP_033749460.1 75 352
 88 0 6 357 36 387 6.20E-161 575.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000030373 6596 177.2 UdeM00000030373 XP_045168175.1 46.6 193
91 3 7 187 6 198 2.30E-41 177.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030374 8049 259.2 UdeM00000030374 XP_030193753.1 35.9 376
225 4 131 501 17 381 1.10E-65 259.2 8049 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
e;Gadus;Gadus morhua
UdeM00000030375 6596 108.6 UdeM00000030375 XP_045168178.1 42.6 162
85 4 1 161 1 155 7.70E-21 108.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030377 6573 665.2 UdeM00000030377 XP_021358634.1 60.7 488
181 4 12 490 10 495 6.30E-188 665.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000030378 6573 667.9 UdeM00000030378 XP_021358634.1 60.3 494
194 2 1 493 3 495 9.70E-189 667.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000030379 6579 194.9 UdeM00000030379 XP_033726452.1 45 229
123 2 9 237 57 282 1.40E-46 194.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000030380 400727 174.1 UdeM00000030380 XP_025093379.1 73.4
109 29 0 1 109 1 109 9.80E-41 174.1 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000030381 6596 752.3 UdeM00000030381 XP_045169280.1 41.3 1141
506 24 1 1074 1 1044 8.60E-214 752.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030382 6579 563.1 UdeM00000030382 XP_033762276.1 75.6 336
80 1 1 336 1 334 2.30E-157 563.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030383 6596 553.5 UdeM00000030383 XP_045168483.1 69.8 400
119 1 1 398 1 400 2.20E-154 553.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030384 6596 1626.3 UdeM00000030384 XP_045200063.1 77
1075 220 10 71 1138 86 1140 0.00E+00 1626.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030385 6596 1635.9 UdeM00000030385 XP_045200063.1 78
1060 223 8 71 1125 86 1140 0.00E+00 1635.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030386 6596 1046.2 UdeM00000030386 XP_045200394.1 68.8
709 221 0 1 709 1 709 1.90E-302 1046.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030387 6573 90.1 UdeM00000030387 XP_021376647.1 59.4 69
27 1 7 75 1 68 1.70E-15 90.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030388 6596 103.6 UdeM00000030388 XP_045202441.1 27.4 252
146 6 1 250 119 335 3.80E-19 103.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030389 1735272 526.2 UdeM00000030389 XP_041349303.1 52.4
504 235 5 17 517 24 525 4.80E-146 526.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030390 1735272 173.3 UdeM00000030390 XP_041350563.1 76.3
114 24 1 1 114 1 111 1.80E-40 173.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030391 29159 615.9 UdeM00000030391 XP_034330109.1 54.9 559
236 4 1 543 1 559 5.00E-173 615.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

UdeM00000030392 6596 220.3 UdeM00000030392 XP_045190923.1 70.7 150
44 0 88 237 381 530 2.60E-54 220.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030393 6596 275 UdeM00000030393 XP_045190923.1 34.5 530
98 6 1 281 1 530 1.00E-70 275 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030395 6596 71.2 UdeM00000030395 XP_045177372.1 31.7 161
99 5 1 157 7 160 2.30E-09 71.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030396 6596 107.8 UdeM00000030396 XP_045177373.1 23.2 569
237 18 8 390 7 561 6.10E-20 107.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030397 6596 89.7 UdeM00000030397 XP_045177372.1 29.6 247
145 9 5 235 6 239 9.70E-15 89.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030398 6596 97.8 UdeM00000030398 XP_045175693.1 34.6 153
86 6 237 377 1015 1165 3.10E-17 97.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030399 6596 86.7 UdeM00000030399 XP_045177372.1 28.3 240
155 6 8 236 7 240 5.40E-14 86.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030400 6596 85.5 UdeM00000030400 XP_045177373.1 28.3 237
142 6 161 381 20 244 1.60E-13 85.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030401 6596 100.1 UdeM00000030401 XP_045175693.1 33.1 314
155 12 63 323 1016 1327 5.40E-18 100.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030402 6596 120.6 UdeM00000030402 XP_045176094.1 35.9 306
156 10 233 504 118 417 6.00E-24 120.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030403 6596 138.3 UdeM00000030403 XP_045176094.1 30.5 256
158 6 199 438 1 252 2.50E-29 138.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030404 29159 140.2 UdeM00000030404 XP_034325075.1 40.8 184
105 2 120 300 15 197 4.40E-30 140.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030407 6596 191 UdeM00000030407 XP_045177373.1 28.4 573
302 23 21 516 20 561 4.20E-45 191 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030408 6579 82 UdeM00000030408 XP_033727573.1 30.3 198
121 4 6 187 66 262 1.30E-12 82 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030409 6596 150.6 UdeM00000030409 XP_045176094.1 32.1 271
161 8 10 261 10 276 5.10E-33 150.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030410 6596 81.6 UdeM00000030410 XP_045177373.1 37.2 164
85 7 5 164 11 160 1.50E-12 81.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030411 6596 81.3 UdeM00000030411 XP_045177373.1 27.6 290
151 13 177 436 11 271 4.60E-12 81.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030412 6596 160.2 UdeM00000030412 XP_045175693.1 31.3 278
168 8 132 391 899 1171 8.10E-36 160.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030413 6596 136.7 UdeM00000030413 XP_045175693.1 27.4 336
 212 10 145 463 829 1149 7.50E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030414 6596 142.5 UdeM00000030414 XP_045174485.1 25.8 570
 260 17 22 438 654 1213 1.60E-30 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030415 6596 80.1 UdeM00000030415 XP_045188597.1 28 218
 138 8 17 221 91 302 3.90E-12 80.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030418 6596 194.9 UdeM00000030418 XP_045196603.1 33.3 378
 228 10 35 396 82 451 2.20E-46 194.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030420 29159 639.4 UdeM00000030420 XP_034303860.1 46.7 751
 289 14 5 659 21 756 5.00E-180 639.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030423 6596 188.3 UdeM00000030423 XP_045196603.1 33 379
 228 11 35 396 82 451 2.00E-44 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030421 6596 188.3 UdeM00000030421 XP_045196603.1 33 379
 228 11 35 396 82 451 2.00E-44 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030422 6596 188.3 UdeM00000030422 XP_045196603.1 33 379
 228 11 35 396 82 451 2.00E-44 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030425 7739 105.5 UdeM00000030425 XP_035674774.1 57.1 84
 36 0 5 88 31 114 3.60E-20 105.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000030426 29159 184.5 UdeM00000030426 XP_019921528.2 41.5 234
 127 4 94 318 21 253 2.80E-43 184.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030427 6596 414.5 UdeM00000030427 XP_045199686.1 45.5 545
 249 13 3 510 5 538 2.10E-112 414.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030428 6596 490.7 UdeM00000030428 XP_045199686.1 63.9 360
 125 2 72 428 637 994 1.90E-135 490.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030429 6500 240.7 UdeM00000030429 XP_005106411.1 75.2 145
 36 0 1 145 1 145 1.10E-60 240.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000030430 6596 197.2 UdeM00000030430 XP_045187150.1 51.5 204
 93 3 40 242 291 489 2.50E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030431 6596 224.9 UdeM00000030431 XP_045187150.1 37.5 360
 126 5 1 266 135 489 1.20E-55 224.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030432 6579 1454.9 UdeM00000030432 XP_033759958.1 69.1
 1271 392 1 3 1273 9 1278 0.00E+00 1454.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030433 37653 601.7 UdeM00000030433 XP_014771666.1 77.9 362
 74 1 12 367 36 397 6.50E-169 601.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000030434 6573 71.6 UdeM00000030434 XP_021340356.1 29.8 151
 99 3 135 280 206 354 1.80E-09 71.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030435 29139 65.5 UdeM00000030435 XP_027702208.1 27.4 157
 105 3 215 371 106 253 1.70E-07 65.5 29139 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc

opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metatheria;Diprotodontia;Vombatidae;Vombatus;Vombatus ursinus
 UdeM00000030437 6565 64.7 UdeM00000030437 XP_022286544.1 22.2 275
 187 6 34 282 37 310 2.20E-07 64.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030438 6573 68.2 UdeM00000030438 XP_021340236.1 31 158
 99 4 24 173 197 352 1.20E-08 68.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030441 150288 69.7 UdeM00000030441 XP_020774544.1 32.9
 167 93 5 39 195 121 278 4.70E-09 69.7 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000030446 29159 68.6 UdeM00000030446 XP_034330341.1 21.1 199
 150 3 299 497 3691 3882 2.70E-08 68.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030448 6596 100.1 UdeM00000030448 XP_045201849.1 33.9 168
 102 4 105 266 186 350 5.40E-18 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030449 6596 156.8 UdeM00000030449 XP_045201849.1 26.8 493
 296 18 1 455 478 943 6.70E-35 156.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030455 7054 247.3 UdeM00000030455 XP_031327742.1 47.3 243
 128 0 581 823 139 381 7.10E-62 247.3 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000030456 202533 336.7 UdeM00000030456 XP_035218899.1 37.3
 467 270 7 1 445 1 466 4.70E-89 336.7 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000030460 6596 360.1 UdeM00000030460 XP_045211214.1 39.1 516
 296 7 6 506 5 517 4.60E-96 360.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030461 6596 537.3 UdeM00000030461 XP_045211214.1 40.7 738
 417 10 6 727 5 737 3.00E-149 537.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041115 29159 176.8 UdeM00000041115 XP_034312908.1 25.8 651
 316 16 5 523 6 621 7.30E-41 176.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041116 29159 176.8 UdeM00000041116 XP_034312908.1 25.8 651
 316 16 5 523 6 621 7.30E-41 176.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044186 83332 233.8 UdeM00000044186 NP_217389.1 73.8 164 43
 0 30 193 56 219 1.80E-58 233.8 83332 cellular
 organisms;Bacteria;Terrabacteria
 group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Myc
 obacterium;Mycobacterium tuberculosis complex;Mycobacterium
 tuberculosis;Mycobacterium tuberculosis H37Rv
 UdeM00000039675 6596 157.1 UdeM00000039675 XP_045179271.1 37.2 274
 137 5 1 266 273 519 3.00E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039677 6596 139.4 UdeM00000039677 XP_045171063.1 36 222
 135 6 2 221 41 257 5.60E-30 139.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039678 29159 66.2 UdeM00000039678 XP_034339171.1 36.2 94
 54 2 1 88 452 545 4.10E-08 66.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039680 7574 147.1 UdeM00000039680 XP_013389395.1 37 219
 128 5 2 212 749 965 2.70E-32 147.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000039681 7574 137.9 UdeM00000039681 XP_013389395.1 36.1 219
 130 5 2 212 749 965 1.60E-29 137.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000039682 7739 111.7 UdeM00000039682 XP_035696040.1 36.2 174
 96 5 2 164 807 976 9.20E-22 111.7 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000039683 7574 139.8 UdeM00000039683 XP_013390464.1 36.9 225
123 7 2 215 770 986 4.10E-30 139.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000039684 7574 131 UdeM00000039684 XP_013390464.1 38.7 186
102 5 2 179 770 951 1.90E-27 131 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000039685 6596 104.4 UdeM00000039685 XP_045177674.1 66.2 74
25 0 1 74 328 401 1.10E-19 104.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039686 7574 92.8 UdeM00000039686 XP_013410728.1 29 293
150 6 97 341 56 338 9.30E-16 92.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000039687 7574 531.9 UdeM00000039687 XP_013380319.1 63.6 379
130 1 1 371 33 411 1.20E-147 531.9 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000039688 6596 85.1 UdeM00000039688 XP_045177776.1 45.3 95
52 0 7 101 819 913 6.20E-14 85.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039689 29159 111.7 UdeM00000039689 XP_034305547.1 30.7 225
146 6 47 266 21 240 1.50E-21 111.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039690 6596 150.2 UdeM00000039690 XP_045164107.1 47.3 165
77 2 45 200 2247 2410 2.80E-33 150.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039691 6573 181.8 UdeM00000039691 XP_021354477.1 35 343
130 4 3 252 1764 2106 1.10E-42 181.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039692 6573 152.5 UdeM00000039692 XP_021354477.1 47.9 163
85 0 1 163 1944 2106 4.60E-34 152.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000039693 6565 100.9 UdeM00000039693 XP_022308598.1 36.6 164
96 4 2 164 21 177 1.70E-18 100.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000039694 7741 59.3 UdeM00000039694 XP_019620661.1 36.5 104
64 2 90 191 27 130 7.60E-06 59.3 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000039695 6596 204.9 UdeM00000039695 XP_045189084.1 30.6 422
229 5 54 472 1459 1819 2.30E-49 204.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039696 6579 60.8 UdeM00000039696 XP_033725865.1 35.4 99
64 0 64 162 169 267 1.80E-06 60.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000039697 6596 915.2 UdeM00000039697 XP_045164107.1 59.8 767
297 3 134 893 2301 3063 6.60E-263 915.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039698 1735272 464.9 UdeM00000039698 XP_041360663.1 36.9
837 439 21 144 924 901 1704 2.50E-127 464.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000044168 6565 90.9 UdeM00000044168 XP_022288855.1 41.3 121
65 5 20 139 973 1088 3.10E-15 90.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000044169 6579 121.3 UdeM00000044169 XP_033744257.1 42.1 140
81 0 83 222 154 293 1.60E-24 121.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000044171 6596 114.4 UdeM00000044171 XP_045191674.1 24.8 262
173 9 16 273 1574 1815 3.60E-22 114.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044172 6579 116.7 UdeM00000044172 XP_033744257.1 41.4 140
82 0 1 140 154 293 2.60E-23 116.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000044174 6565 86.3 UdeM00000044174 XP_022288855.1 39.4 127
65 6 20 145 973 1088 7.70E-14 86.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044175 6579 116.7 UdeM00000044175 XP_033744257.1 41.4 140
82 0 1 140 154 293 2.60E-23 116.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000044177 6565 90.9 UdeM00000044177 XP_022288855.1 41.3 121
65 5 20 139 973 1088 3.10E-15 90.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044178 6579 116.7 UdeM00000044178 XP_033744257.1 41.4 140
82 0 1 140 154 293 2.60E-23 116.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000044181 6565 90.9 UdeM00000044181 XP_022288855.1 41.3 121
65 5 20 139 973 1088 3.10E-15 90.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044180 6565 90.1 UdeM00000044180 XP_022288855.1 41.6 113
62 4 96 207 979 1088 6.40E-15 90.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044182 6579 121.3 UdeM00000044182 XP_033744257.1 42.1 140
81 0 83 222 154 293 1.60E-24 121.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000044061 6945 84.3 UdeM00000044061 XP_040065097.1 28.5 193
112 4 59 225 85 277 2.90E-13 84.3 6945 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Acari; Parasitifo
rmes; Ixodida; Ixodoidea; Ixodidae; Ixodinae; Ixodes; Ixodes scapularis
UdeM00000044062 218467 88.6 UdeM00000044062 XP_023232316.1 33.8
151 89 3 42 181 35 185 1.50E-14 88.6 218467
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Scorpiones; Buthi
da; Buthoidea; Buthidae; Centruroides; Centruroides sculpturatus
UdeM00000044063 6945 86.3 UdeM00000044063 XP_040065097.1 31.7 167
103 4 26 181 52 218 7.50E-14 86.3 6945 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Acari; Parasitifo
rmes; Ixodida; Ixodoidea; Ixodidae; Ixodinae; Ixodes; Ixodes scapularis

UdeM00000041282 6596 231.5 UdeM00000041282 XP_045204261.1 41.8 275
 150 6 57 327 39 307 1.60E-57 231.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041283 6596 179.9 UdeM00000041283 XP_045179870.1 36.2 282
 171 5 53 327 198 477 5.80E-42 179.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041284 6596 229.6 UdeM00000041284 XP_045202146.1 46.4 239
 113 3 46 271 77 313 5.10E-57 229.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041285 6573 261.5 UdeM00000041285 XP_021352111.1 44.1 286
 156 3 110 391 135 420 1.70E-66 261.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041287 6573 320.1 UdeM00000041287 XP_021375058.1 55.8 274
 119 1 39 310 117 390 3.10E-84 320.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041289 6579 374.8 UdeM00000041289 XP_033748359.1 37.8 598
 326 9 230 782 100 696 3.20E-100 374.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041290 1735272 182.6 UdeM00000041290 XP_041361735.1 35.8
 274 149 6 1 262 68 326 6.70E-43 182.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041292 7739 335.1 UdeM00000041292 XP_035691534.1 36.6 612
 352 13 9 594 560 1161 1.90E-88 335.1 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000041293 6596 91.7 UdeM00000041293 XP_045204875.1 40.4 94
 55 1 46 138 309 402 8.70E-16 91.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041295 7654 72.8 UdeM00000041295 XP_041463763.1 44.2 95
 48 2 5 97 941 1032 2.70E-10 72.8 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000041297 6596 334.7 UdeM00000041297 XP_045161465.1 55.5 272
 120 1 67 337 46 317 1.30E-88 334.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041299 6596 256.5 UdeM00000041299 XP_045179599.1 55.2 230
 97 2 40 263 49 278 3.70E-65 256.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041300 1735272 181.4 UdeM00000041300 XP_041361735.1 35.6
 270 167 5 2 269 62 326 1.50E-42 181.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000033625 6596 414.1 UdeM00000033625 XP_045209793.1 52.4 477
 226 1 8 484 822 1297 2.50E-112 414.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033626 6596 304.7 UdeM00000033626 XP_045208580.1 53.3 291
 136 0 11 301 8 298 1.40E-79 304.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033627 6596 316.6 UdeM00000033627 XP_045208580.1 55.8 285
 125 1 68 352 3 286 4.10E-83 316.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033628 6596 221.5 UdeM00000033628 XP_045193084.1 31.1 441
 277 9 241 666 28 456 3.30E-54 221.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033629 29159 214.5 UdeM00000033629 XP_034312908.1 28.2 649
 342 20 9 564 6 623 3.40E-52 214.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033630 29159 73.9 UdeM00000033630 XP_034307878.1 32.3 99
 67 0 1 99 92 190 3.70E-10 73.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033633 7574 104.8 UdeM00000033633 XP_013418747.1 34 153
 90 2 227 372 42 190 2.50E-19 104.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000033635 6596 170.6 UdeM00000033635 XP_045193084.1 26.3 540
 282 14 60 520 28 530 5.20E-39 170.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033636 6596 85.5 UdeM00000033636 XP_045214418.1 41.5 106
 60 2 14 118 106 210 5.00E-14 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033638 225164 95.9 UdeM00000033638 XP_009062316.1 33.2
 184 115 5 4 186 319 495 6.20E-17 95.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000033639 6596 119.4 UdeM00000033639 XP_045176094.1 37.5 176
 104 5 13 186 83 254 1.00E-23 119.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033641 6565 73.2 UdeM00000033641 XP_022321940.1 18.7 198
 161 0 3 200 178 375 4.40E-10 73.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033642 6596 136.7 UdeM00000033642 XP_045206071.1 24 359
 266 3 15 370 28 382 5.90E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033643 6596 158.7 UdeM00000033643 XP_045185034.1 25.5 662
 420 18 139 767 118 739 3.00E-35 158.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033645 6596 157.1 UdeM00000033645 XP_045187893.1 25.8 794
 494 26 1 756 5 741 8.60E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033646 29159 173.3 UdeM00000033646 XP_011449844.1 22.9 498
 382 2 2 497 177 674 7.80E-40 173.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033647 6596 71.2 UdeM00000033647 XP_045203541.1 22.2 198
134 3 2 181 72 267 1.90E-09 71.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033649 6596 134.4 UdeM00000033649 XP_045190373.1 26 292
207 5 38 329 1693 1975 3.00E-28 134.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033650 6565 79 UdeM00000033650 XP_022311215.1 30 217
133 7 49 254 146 354 1.20E-11 79 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033651 29159 368.6 UdeM00000033651 XP_034320142.1 28.6 1005
604 32 16 968 28 970 2.70E-98 368.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033652 6596 331.6 UdeM00000033652 XP_045164114.1 29.3 898
550 32 3 873 139 978 3.30E-87 331.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033654 29159 94.4 UdeM00000033654 XP_011449844.1 22.9 223
166 2 2 221 177 396 2.00E-16 94.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033655 225164 107.8 UdeM00000033655 XP_009057378.1 34.3
143 91 1 493 635 16 155 5.10E-20 107.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea
UdeM00000033656 6565 176.8 UdeM00000033656 XP_022287884.1 27.1 498
322 15 168 646 516 991 1.00E-40 176.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033657 29159 370.9 UdeM00000033657 XP_034320142.1 28.7 1005
603 32 29 981 28 970 5.50E-99 370.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033658 6596 375.9 UdeM00000033658 XP_045201849.1 27.7 1022
659 32 22 997 27 1014 1.70E-100 375.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044405 6579 224.6 UdeM00000044405 XP_033731124.1 41.3 310
 153 7 10 294 6 311 1.70E-55 224.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009311 6596 650.6 UdeM00000009311 XP_045210331.1 81.7 405
 72 2 1 403 1 405 1.40E-183 650.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009312 6579 152.9 UdeM00000009312 XP_033757817.1 46.2 197
 89 4 1 181 1 196 3.90E-34 152.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009313 6565 860.5 UdeM00000009313 XP_022323231.1 58.5 832
 303 14 4 814 40 850 2.00E-246 860.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009314 46514 141.4 UdeM00000009314 XP_038062328.1 34.6 246
 159 1 22 265 131 376 1.70E-30 141.4 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000009316 6579 150.2 UdeM00000009316 XP_033739209.1 53.4 131
 61 0 9 139 2 132 1.90E-33 150.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009317 6526 83.6 UdeM00000009317 XP_013067337.1 95.2 42
 2 0 1 42 1 42 2.30E-13 83.6 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000009318 6526 334.3 UdeM00000009318 XP_013094297.1 38.7 507
 308 3 3 507 38 543 2.90E-88 334.3 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000009319 6596 420.6 UdeM00000009319 XP_045178453.1 63.1 290
 106 1 7 295 25 314 1.60E-114 420.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009320 6500 337.8 UdeM00000009320 XP_005105670.1 59 256
 104 1 8 262 23 278 1.30E-89 337.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000009321 1735272 777.3 UdeM00000009321 XP_041373706.1 68.2
 654 186 5 1 641 1 645 1.50E-221 777.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009322 6565 135.2 UdeM00000009322 XP_022319986.1 72.3 83
 23 0 7 89 18 100 4.20E-29 135.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009323 29159 395.2 UdeM00000009323 XP_011429655.2 67.4 288
 90 2 17 304 24 307 7.70E-107 395.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009324 6565 74.7 UdeM00000009324 XP_022337163.1 31.8 148
 94 4 72 216 167 310 1.60E-10 74.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009325 6565 81.3 UdeM00000009325 XP_022337163.1 33.8 139
 86 3 7 142 175 310 1.20E-12 81.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009326 6579 171 UdeM00000009326 XP_033747151.1 46.2 182
 90 3 778 955 35 212 7.30E-39 171 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009327 6579 172.6 UdeM00000009327 XP_033747151.1 46.2 182
 90 3 306 483 35 212 1.30E-39 172.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009328 6579 170.6 UdeM00000009328 XP_033747151.1 40.3 216
 117 4 311 518 1 212 5.20E-39 170.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009329 6579 170.6 UdeM00000009329 XP_033747151.1 40.3 216
 117 4 187 394 1 212 3.90E-39 170.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009330 6105 115.5 UdeM00000009330 XP_031574328.1 42.1 126
 68 2 28 148 24 149 5.80E-23 115.5 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000009331 6105 115.5 UdeM00000009331 XP_031574328.1 42.1 126
68 2 28 148 24 149 5.80E-23 115.5 6105 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000009332 55291 260 UdeM00000009332 XP_039605055.1 34.3 408
217 7 24 431 400 756 5.40E-66 260 55291 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Cladistia;Polypteriformes;Polypteridae;Polypterus;Polypterus
senegalus
UdeM00000009333 6596 256.1 UdeM00000009333 XP_045184074.1 72.7 176
48 0 10 185 2 177 3.30E-65 256.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009334 1735272 135.2 UdeM00000009334 XP_041356485.1 31.2
474 265 13 578 1022 620 1061 5.00E-28 135.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009335 224129 422.5 UdeM00000009335 XP_025833580.1 51.8
394 175 4 56 440 48 435 9.20E-115 422.5 224129
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Buprestoidea;Buprestidae;Agrilinae;Agrilus;Agrilus planipennis
UdeM00000009336 224129 422.5 UdeM00000009336 XP_025833580.1 51.8
394 175 4 45 429 48 435 9.00E-115 422.5 224129
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Buprestoidea;Buprestidae;Agrilinae;Agrilus;Agrilus planipennis
UdeM00000009337 400727 419.5 UdeM00000009337 XP_025096955.1 49.4
415 206 3 55 469 23 433 7.70E-114 419.5 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000009339 1735272 140.2 UdeM00000009339 XP_041373446.1 40.2
224 124 6 32 249 1 220 3.80E-30 140.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009340 6573 134 UdeM00000009340 XP_021342948.1 39 213
87 8 32 206 1 208 2.20E-28 134 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000009341 8078 287.7 UdeM00000009341 XP_035994673.1 59 234
66 1 1 204 196 429 1.10E-74 287.7 8078 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Atherinomorphae; Cyprinodontiformes; Cyprinodontoides; Fundulidae; Fundulus; Fundulus heteroclitus
UdeM00000009342 225164 355.9 UdeM00000009342 XP_009057189.1 44.7
425 217 3 59 483 9 415 8.20E-95 355.9 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000009343 1735272 256.5 UdeM00000009343 XP_041352547.1 43.1
304 165 3 45 343 122 422 4.70E-65 256.5 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000009345 41117 759.2 UdeM00000009345 XP_037085028.1 80 446
89 0 1 446 1 446 2.90E-216 759.2 41117 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Hexanauplia; Thecostraca; Cirripedia; Thoracica; Pedunculata; Scalpellomorpha; Pollicipedidae; Pollicipes; Pollicipes pollicipes
UdeM00000009346 1735272 97.4 UdeM00000009346 XP_041356248.1 45.7
94 51 0 59 152 6 99 1.60E-17 97.4 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000009348 7054 107.8 UdeM00000009348 XP_031350480.1 49.5 93
46 1 14 105 375 467 8.30E-21 107.8 7054 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elateriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis
UdeM00000009351 6596 72 UdeM00000009351 XP_045209648.1 65.4 52
18 0 27 78 759 810 8.60E-10 72 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000009352 6596 327.4 UdeM00000009352 XP_045209649.1 31.9 752
464 21 40 763 42 773 4.90E-86 327.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009353 29159 129.8 UdeM00000009353 XP_034316161.1 54 100
 46 0 1 100 718 817 2.00E-27 129.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009354 6573 236.9 UdeM00000009354 XP_021377871.1 56.8 199
 85 1 18 216 13 210 2.80E-59 236.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009355 6573 227.6 UdeM00000009355 XP_021377871.1 63.2 174
 63 1 1 174 317 489 1.20E-56 227.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009356 6573 449.9 UdeM00000009356 XP_021377871.1 50.8 461
 218 4 4 462 36 489 4.10E-123 449.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009358 6596 387.9 UdeM00000009358 XP_045185217.1 59.4 318
 122 3 21 336 14 326 2.20E-104 387.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009360 2607531 256.1 UdeM00000009360 XP_036371126.1 37.9
 314 183 4 156 466 413 717 8.80E-65 256.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000036153 6573 241.9 UdeM00000036153 XP_021353812.1 46.5 316
 145 6 1 298 1 310 1.10E-60 241.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036154 6596 226.9 UdeM00000036154 XP_045187338.1 65.7 172
 51 3 1 164 1 172 1.90E-56 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036155 6596 243 UdeM00000036155 XP_045187337.1 59.7 186
 75 0 4 189 20 205 3.10E-61 243 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036156 6596 675.6 UdeM00000036156 XP_045166954.1 67.8 451
 143 1 10 458 310 760 4.30E-191 675.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036157 6596 297.7 UdeM00000036157 XP_045166954.1 88.7 151
17 0 8 158 161 311 8.60E-78 297.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036158 6596 154.8 UdeM00000036158 XP_045166954.1 62.2 127
39 2 13 139 15 132 9.10E-35 154.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036159 6596 1026.5 UdeM00000036159 XP_045166963.1 59.3
1104 356 15 1 1070 1 1045 2.30E-296 1026.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036160 6573 2137.5 UdeM00000036160 XP_021345432.1 59
1809 678 16 1 1803 2 1752 0.00E+00 2137.5 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036161 1735272 269.2 UdeM00000036161 XP_041351538.1 60.1
208 81 1 1 208 57 262 4.40E-69 269.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036162 6573 419.1 UdeM00000036162 XP_021345436.1 80.5 292
49 2 64 347 75 366 5.60E-114 419.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036163 6573 419.9 UdeM00000036163 XP_021345436.1 78.6 290
48 3 68 343 77 366 3.20E-114 419.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036164 6596 451.8 UdeM00000036164 XP_045166671.1 51.2 453
214 4 3 451 39 488 1.00E-123 451.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036165 6573 577.8 UdeM00000036165 XP_021371270.1 71.7 534
135 4 1 526 1 526 1.40E-161 577.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036166 6596 535.4 UdeM00000036166 XP_045209735.1 35 904
 521 15 20 890 23 892 1.40E-148 535.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036167 6596 538.1 UdeM00000036167 XP_045209735.1 34.7 901
 529 17 20 892 23 892 2.10E-149 538.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036168 6596 538.1 UdeM00000036168 XP_045209735.1 34.7 901
 529 17 20 892 23 892 2.10E-149 538.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036169 6596 234.2 UdeM00000036169 XP_045209735.1 33.6 408
 243 6 3 405 505 889 3.00E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036170 6596 224.6 UdeM00000036170 XP_045209735.1 31 429
 201 8 20 355 23 449 2.10E-55 224.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036171 6596 516.5 UdeM00000036171 XP_045209735.1 34.1 911
 537 19 9 890 19 895 6.50E-143 516.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036172 6596 81.6 UdeM00000036172 XP_045209735.1 37.3 110
 69 0 5 114 780 889 7.00E-13 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036173 6596 90.5 UdeM00000036173 XP_045209735.1 36.3 113
 72 0 5 117 780 892 1.60E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036174 6596 70.1 UdeM00000036174 XP_045209735.1 34.2 111
 71 1 4 112 779 889 2.10E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036175 6596 86.7 UdeM00000036175 XP_045209735.1 36.8 114
 72 0 4 117 779 892 2.30E-14 86.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036176 6596 503.4 UdeM00000036176 XP_045185503.1 60.2 440
 172 3 1 438 1 439 2.80E-139 503.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036177 7574 658.7 UdeM00000036177 XP_013388894.1 58.1 583
 227 7 5 577 6 581 7.50E-186 658.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000036178 6596 226.5 UdeM00000036178 XP_045160601.1 28.6 636
 146 6 126 457 244 875 7.00E-56 226.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036179 45264 269.6 UdeM00000036179 XP_044165535.1 48.8 254
 126 1 1 250 294 547 1.50E-68 269.6 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000036180 6596 337 UdeM00000036180 XP_045187802.1 45.2 407
 204 11 4 398 51 450 3.30E-89 337 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036182 6596 283.1 UdeM00000036182 XP_045187802.1 49.7 304
 134 9 1 289 48 347 4.40E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036181 6596 321.2 UdeM00000036181 XP_045187802.1 45.9 379
 182 10 1 360 48 422 1.70E-84 321.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036183 400727 58.5 UdeM00000036183 XP_025111790.1 32.9
 82 55 0 32 113 504 585 6.70E-06 58.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000036184 6596 248.4 UdeM00000036184 XP_045187806.1 62.7 201
 71 3 1 197 1 201 8.50E-63 248.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036185 6596 174.9 UdeM00000036185 XP_045174845.1 67.4 132
38 2 7 136 46 174 7.50E-41 174.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036186 29159 189.9 UdeM00000036186 XP_019924248.1 48.6 220
104 3 7 225 5 216 3.60E-45 189.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036187 80966 186 UdeM00000036187 XP_022077561.1 56.4 156
68 0 1 156 116 271 3.60E-44 186 80966 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Ovalentaria incertae sedis;Pomacentridae;Acanthochromis;Acanthochromis polyacanthus

UdeM00000036188 6573 241.5 UdeM00000036188 XP_021362074.1 60.2 186
73 1 30 214 183 368 1.00E-60 241.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036190 6565 438 UdeM00000036190 XP_022332036.1 71.1 315
88 2 1 313 376 689 1.10E-119 438 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036191 6596 254.6 UdeM00000036191 XP_045174845.1 69.5 177
49 2 1 175 1 174 1.10E-64 254.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036192 6565 186.8 UdeM00000036192 XP_022333753.1 60.5 147
58 0 7 153 5 151 3.50E-44 186.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036193 6565 1094.3 UdeM00000036193 XP_022332036.1 65.2
831 284 4 27 853 48 877 0.00E+00 1094.3 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036194 6579 434.5 UdeM00000036194 XP_033734764.1 68.3 325
87 4 1 321 1 313 1.20E-118 434.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036195 29159 1137.1 UdeM00000036195 XP_011437945.1 76.8
747 143 7 1 741 1 723 0.00E+00 1137.1
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000036196 6579 974.5 UdeM00000036196 XP_033734456.1 42.4 1497
683 27 1 1386 49 1477 1.40E-280 974.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036197 400727 61.6 UdeM00000036197 XP_025105663.1 36.3
102 60 1 89 190 97 193 1.30E-06 61.6 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000036198 6596 1615.5 UdeM00000036198 XP_045173685.1 54
1755 707 22 42 1759 72 1763 0.00E+00 1615.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036199 6596 697.2 UdeM00000036199 XP_045173685.1 53.3 647
291 5 11 651 1867 2508 2.00E-197 697.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036200 10224 96.7 UdeM00000036200 XP_006815030.1 47.9 96
45 3 3 97 427 518 5.20E-17 96.7 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii
UdeM00000036201 6573 298.1 UdeM00000036201 XP_021359541.1 35.4 466
244 9 2 424 10 461 2.00E-77 298.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000036202 6596 173.3 UdeM00000036202 XP_045215622.1 43.7 197
109 2 14 208 87 283 3.30E-40 173.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036203 6579 246.9 UdeM00000036203 XP_033743480.1 38.5 366
207 9 67 428 30 381 4.80E-62 246.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036204 29159 178.7 UdeM00000036204 XP_034312908.1 26.3 651
 313 19 5 523 6 621 1.90E-41 178.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036205 6579 344.7 UdeM00000036205 XP_033743480.1 40.6 463
 256 10 33 491 30 477 2.70E-91 344.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036206 29159 117.5 UdeM00000036206 XP_034330259.1 47.5 122
 55 3 1 122 519 631 1.30E-23 117.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036208 3981 184.5 UdeM00000036208 XP_021672724.1 60.5 152
 59 1 1 151 1 152 1.00E-43 184.5 3981 cellular
 organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
 ;Tracheophyta;Euphylllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
 udicotyledons;Gunneridae;Pentapetalae;rosids;fabids;Malpighiales;Euphorbi
 aceae;Crotonoideae;Micrandreae;Hevea;Hevea brasiliensis
 UdeM00000036209 6579 250.4 UdeM00000036209 XP_033734573.1 87.4 143
 18 0 26 168 1 143 1.70E-63 250.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036210 6596 132.5 UdeM00000036210 XP_045169236.1 43.4 159
 86 2 1179 1337 1183 1337 4.00E-27 132.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036211 6596 124 UdeM00000036211 XP_045187622.1 28 440
 233 10 32 456 23 393 5.00E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036212 6596 454.5 UdeM00000036212 XP_045169245.1 46.8 511
 254 8 56 551 20 527 1.90E-124 454.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036214 6596 236.1 UdeM00000036214 XP_045169094.1 59.7 191
 75 2 1 189 1 191 3.70E-59 236.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036215 6596 236.9 UdeM00000036215 XP_045169094.1 55.8 190
 84 0 1 190 1 190 2.20E-59 236.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036216 400727 690.3 UdeM00000036216 XP_025103463.1 53.2
697 299 8 2 696 3 674 2.60E-195 690.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000036217 6596 63.9 UdeM00000036217 XP_045160225.1 57.6 59
25 0 91 149 109 167 2.00E-07 63.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036219 6579 313.2 UdeM00000036219 XP_033734692.1 46.5 325
169 3 1 321 1 324 4.00E-82 313.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036221 6596 146 UdeM00000036221 XP_045196567.1 57.6 118
49 1 65 182 3 119 4.80E-32 146 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036222 6565 794.3 UdeM00000036222 XP_022297807.1 38.7 1300
775 12 115 1405 196 1482 2.80E-226 794.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036223 6565 219.9 UdeM00000036223 XP_022301041.1 51.9 335
154 2 1 328 1488 1822 7.30E-54 219.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036224 6565 13434.2 UdeM00000036224 XP_022297807.1 43.7
19706 10052 238 3 19293 1828 20909 0.00E+00 13434.2 6565

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036225 6596 385.2 UdeM00000036225 XP_045187150.1 50 394
192 2 1 394 229 617 1.00E-103 385.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036226 6596 195.7 UdeM00000036226 XP_045169782.1 47.4 192
100 1 1 191 56 247 5.50E-47 195.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036228 6596 835.1 UdeM00000036228 XP_045165863.1 55.8 754
 321 3 23 764 9 762 7.10E-239 835.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036229 6596 285 UdeM00000036229 XP_045165895.1 53.7 296
 95 8 1 287 1 263 1.40E-73 285 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036230 6579 495.4 UdeM00000036230 XP_033734471.1 72.4 351
 97 0 1 351 1 351 6.20E-137 495.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036231 6596 241.9 UdeM00000036231 XP_045165916.1 65.4 211
 62 3 1 210 1 201 7.80E-61 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036232 6596 1489.9 UdeM00000036232 XP_045165928.1 81.2
 882 144 5 1 877 1 865 0.00E+00 1489.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036233 6596 1261.5 UdeM00000036233 XP_045165928.1 79.6
 771 135 5 1 766 1 754 0.00E+00 1261.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036234 6596 220.7 UdeM00000036234 XP_045165946.1 60.6 170
 66 1 5 174 6 174 1.50E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036236 2607531 374.4 UdeM00000036236 XP_029642491.1 66.9
 293 68 4 20 285 271 561 1.30E-100 374.4 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000036235 6596 443.4 UdeM00000036235 XP_045165634.1 69.9 336
 70 5 29 337 269 600 2.70E-121 443.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036237 90988 114.8 UdeM00000036237 XP_039535825.1 64.3 84
30 0 1 84 111 194 8.00E-23 114.8 90988 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinidae;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas

UdeM00000036238 283035 115.9 UdeM00000036238 XP_035852032.1 38
158 96 1 4 161 76 231 4.80E-23 115.9 283035

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Percidae;Percidae;Luciopercinae;Sander;Sander lucioperca

UdeM00000036239 29159 101.3 UdeM00000036239 XP_034323867.1 36.3 124
76 2 8 128 4 127 1.00E-18 101.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036240 1735272 511.9 UdeM00000036240 XP_041353604.1 55.6
453 176 9 15 456 22 460 8.30E-142 511.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036241 7574 468 UdeM00000036241 XP_013389106.1 62.6 353
131 1 5 357 2 353 1.10E-128 468 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036242 1735272 266.5 UdeM00000036242 XP_041350608.1 49.2
435 196 7 9 430 11 433 5.70E-68 266.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036243 45264 241.1 UdeM00000036243 XP_044165535.1 47.4 232
118 1 1 228 294 525 1.40E-60 241.1 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000036244 6596 404.4 UdeM00000036244 XP_045161775.1 56.3 316
136 1 109 424 26 339 1.90E-109 404.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036245 1735272 174.5 UdeM00000036245 XP_041367923.1 38.3
243 137 4 1 232 154 394 1.60E-40 174.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036246 1735272 84 UdeM00000036246 XP_041367923.1 36
139 21 1 1 71 1 139 8.80E-14 84 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036247 6565 94 UdeM00000036247 XP_022303441.1 32.2 255
149 6 1 248 1 238 3.00E-16 94 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036248 6596 86.7 UdeM00000036248 XP_045161798.1 44.8 105
54 1 5 109 1 101 2.10E-14 86.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036249 6596 254.6 UdeM00000036249 XP_045161798.1 96.3 135
5 0 1 135 105 239 7.10E-65 254.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036250 6573 507.3 UdeM00000036250 XP_021341922.1 79.3 299
62 0 9 307 6 304 1.40E-140 507.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036251 1735272 175.3 UdeM00000036251 XP_041354627.1 78.3
106 23 0 57 162 47 152 6.70E-41 175.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036252 6596 632.1 UdeM00000036252 XP_045164668.1 56.4 658
235 20 3 627 80 718 8.30E-178 632.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036253 6596 822.8 UdeM00000036253 XP_045187090.1 44.8 1012
455 17 3 967 137 1091 4.70E-235 822.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036254 6596 261.2 UdeM00000036254 XP_045187094.1 45 418
158 13 233 645 197 547 3.60E-66 261.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000036256 7757 188.7 UdeM00000036256 XP_032835197.1 57.4 190
 29 2 2 139 149 338 5.70E-45 188.7 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000036257 7757 283.9 UdeM00000036257 XP_032835197.1 72 207
 30 1 1 179 28 234 1.40E-73 283.9 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000036258 7757 291.6 UdeM00000036258 XP_032835197.1 72.2 212
 31 1 1 184 23 234 7.10E-76 291.6 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000036261 6579 153.3 UdeM00000036261 XP_033734797.1 54 126
 58 0 16 141 189 314 6.10E-34 153.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036262 6573 180.6 UdeM00000036262 XP_021378750.1 43.1 188
 107 0 1 188 1 188 1.80E-42 180.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036264 6596 368.6 UdeM00000036264 XP_045187731.1 56.7 321
 136 2 19 339 19 336 8.50E-99 368.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000036265 6596 4862.4 UdeM00000036265 XP_045213898.1 54.4
 5136 1972 47 56 4894 6615 11677 0.00E+00 4862.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000036266 6596 4801.5 UdeM00000036266 XP_045213898.1 54.7
 4960 1908 43 56 4748 6615 11501 0.00E+00 4801.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000036267 6596 540.8 UdeM00000036267 XP_045213898.1 47.9 748
 343 16 1 740 5860 6568 2.80E-150 540.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036268 6596 8150 UdeM00000036268 XP_045213898.1 69.6 5965
 1581 11 22 5955 54 5814 0.00E+00 8150 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036271 29159 160.2 UdeM00000036271 XP_011450183.2 40.6 212
 122 2 10 221 1497 1704 3.00E-36 160.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036270 29159 197.6 UdeM00000036270 XP_011450183.2 37.1 291
 179 2 6 296 1418 1704 2.30E-47 197.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036272 6596 424.9 UdeM00000036272 XP_045187390.1 36.1 723
 410 13 16 691 711 1428 2.30E-115 424.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036274 6596 207.2 UdeM00000036274 XP_045187390.1 57.1 168
 72 0 1 168 464 631 1.60E-50 207.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036273 6596 605.9 UdeM00000036273 XP_045187390.1 55.1 561
 229 6 1 543 76 631 5.00E-170 605.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036275 6596 71.2 UdeM00000036275 XP_045187391.1 44.1 68
 38 0 13 80 16 83 1.10E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036276 6596 204.1 UdeM00000036276 XP_045187391.1 73.4 128
 34 0 1 128 144 271 1.00E-49 204.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036277 29159 198 UdeM00000036277 XP_011450183.2 37.5 291
 178 2 25 315 1418 1704 1.80E-47 198 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036278 6596 89.7 UdeM00000036278 XP_045187390.1 31.9 188
 122 3 51 235 1244 1428 6.20E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036279 6596 1090.1 UdeM00000036279 XP_045187390.1 44.4
1366 680 20 1 1299 76 1428 0.00E+00 1090.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036280 6596 1007.3 UdeM00000036280 XP_045187390.1 46
1193 567 18 1 1129 76 1255 1.70E-290 1007.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036281 6596 371.7 UdeM00000036281 XP_045187391.1 67.3 257
83 1 6 261 16 272 7.70E-100 371.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036282 1735272 408.3 UdeM00000036282 XP_041352824.1 68.3
479 136 4 2 471 4 475 1.30E-110 408.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036283 6596 293.5 UdeM00000036283 XP_045167100.1 83.9 168
25 2 193 359 321 487 3.60E-76 293.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036284 6596 187.2 UdeM00000036284 XP_045173520.1 61.9 155
58 1 59 213 5 158 2.20E-44 187.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036287 6573 345.5 UdeM00000036287 XP_021341909.1 59 300
123 0 1 300 1 300 6.80E-92 345.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036286 6573 364 UdeM00000036286 XP_021341909.1 58 324
136 0 1 324 1 324 2.00E-97 364 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036288 6596 82.8 UdeM00000036288 XP_045183498.1 31.1 235
135 7 202 419 173 397 1.10E-12 82.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036289 6596 196.1 UdeM00000036289 XP_045186700.1 87 100
13 0 1 100 1 100 2.20E-47 196.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036290 29159 377.1 UdeM00000036290 XP_034323825.1 57.8 327
135 1 1 324 1 327 2.30E-101 377.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036291 6573 449.1 UdeM00000036291 XP_021368716.1 45.8 1296
512 33 181 1391 172 1361 2.00E-122 449.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036292 6596 283.5 UdeM00000036292 XP_045180458.1 82.7 179
28 2 1 179 4 179 1.90E-73 283.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036293 6579 310.5 UdeM00000036293 XP_033734099.1 51.5 423
171 10 2 399 61 474 3.20E-81 310.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036294 6579 310.5 UdeM00000036294 XP_033734099.1 51.5 423
171 10 2 399 61 474 3.20E-81 310.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036295 6596 183.7 UdeM00000036295 XP_045171589.1 56.9 160
65 1 2 157 113 272 3.50E-43 183.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036296 6596 84.7 UdeM00000036296 XP_045174811.1 50 108
47 4 48 149 636 742 1.10E-13 84.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036297 6596 222.2 UdeM00000036297 XP_045174811.1 76.8 138
32 0 1 138 1 138 4.50E-55 222.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036298 6565 216.5 UdeM00000036298 XP_022334539.1 51.1 190
 93 0 25 214 63 252 4.70E-53 216.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036299 6565 218.8 UdeM00000036299 XP_022334537.1 51.6 192
 93 0 25 216 63 254 9.50E-54 218.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036300 6596 449.1 UdeM00000036300 XP_045187408.1 74.2 279
 72 0 47 325 1 279 4.70E-123 449.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036301 6596 100.1 UdeM00000036301 XP_045187406.1 24.4 907
 490 24 10 770 45 901 1.40E-17 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036302 6500 371.7 UdeM00000036302 XP_005098344.1 38.7 509
 296 8 42 543 37 536 1.80E-99 371.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000036303 1735272 151.8 UdeM00000036303 XP_041352605.1 28.3
 364 231 10 39 385 67 417 1.80E-33 151.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000036305 6573 558.1 UdeM00000036305 XP_021362076.1 35.6 1153
 631 31 81 1186 322 1409 2.70E-155 558.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036306 6596 329.3 UdeM00000036306 XP_045186495.1 62 274
 100 3 3 274 39 310 4.60E-87 329.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036307 6596 410.2 UdeM00000036307 XP_045186495.1 66 306
 103 1 11 316 4 308 2.40E-111 410.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036310 1735272 115.9 UdeM00000036310 XP_041378840.1 54.3
 94 43 0 2 95 263 356 4.40E-23 115.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036309 1735272 73.2 UdeM00000036309 XP_041378840.1 56.1
57 25 0 2 58 263 319 2.30E-10 73.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036311 6596 59.3 UdeM00000036311 XP_045161332.1 27.6 221
55 5 64 189 133 343 6.50E-06 59.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000021644 6596 129.4 UdeM00000021644 XP_045195656.1 48.8 123
63 0 1 123 450 572 8.00E-27 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000021646 6596 81.6 UdeM00000021646 XP_045195656.1 32.3 235
146 7 2 226 84 315 3.20E-12 81.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000021647 6565 324.3 UdeM00000021647 XP_022288472.1 74.9 227
56 1 1 227 1 226 1.20E-85 324.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021648 6565 134.4 UdeM00000021648 XP_022287662.1 63 100
36 1 1 100 114 212 7.90E-29 134.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021649 6573 119.8 UdeM00000021649 XP_021355633.1 46.9 130
68 1 9 137 11 140 3.80E-24 119.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021650 7739 218 UdeM00000021650 XP_035659254.1 40 320
174 9 9 315 655 969 1.70E-53 218 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae

UdeM00000021652 225164 277.7 UdeM00000021652 XP_009055403.1 61.7
227 87 0 1 227 1 227 1.30E-71 277.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
Lottiidae;Lottia;Lottia gigantea

UdeM00000021653 6596 201.4 UdeM00000021653 XP_045195660.1 57.1 177
66 3 5 181 4 170 9.50E-49 201.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021654 6579 1637.5 UdeM00000021654 XP_033741577.1 63.8
1276 447 8 8 1278 8 1273 0.00E+00 1637.5 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021655 1735272 790 UdeM00000021655 XP_041350708.1 59.2
579 215 3 24 601 1622 2180 2.10E-225 790 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021656 6596 2998.8 UdeM00000021656 XP_045195662.1 54.7
2993 1280 21 30 2979 277 3235 0.00E+00 2998.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021657 6596 227.6 UdeM00000021657 XP_045195662.1 37 370
220 7 1 362 1 365 2.50E-56 227.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021658 6596 99.4 UdeM00000021658 XP_045196460.1 26.6 335
227 8 7 327 8 337 9.40E-18 99.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021659 7668 230.3 UdeM00000021659 XP_003730043.3 38 321
197 2 7 327 6 324 4.00E-57 230.3 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000021660 7668 216.9 UdeM00000021660 XP_003730043.3 38 303
186 2 1 303 24 324 4.30E-53 216.9 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000021661 6596 713.4 UdeM00000021661 XP_045197758.1 73.4 462
118 3 1 461 1 458 1.90E-202 713.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021662 225164 374.8 UdeM00000021662 XP_009055926.1 63.9
 277 94 1 15 285 34 310 1.20E-100 374.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000021663 29159 185.7 UdeM00000021663 XP_011448507.2 53.9 165
 63 1 15 166 34 198 5.00E-44 185.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021665 6596 443 UdeM00000021665 XP_045197754.1 78.4 264
 57 0 83 346 208 471 3.60E-121 443 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021666 6596 600.1 UdeM00000021666 XP_045197758.1 67.9 427
 130 3 349 769 33 458 3.90E-168 600.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021667 29058 171 UdeM00000021667 XP_021199371.1 34.1 311
 194 4 10 311 64 372 3.80E-39 171 29058 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;N
 octuidae;Heliothinae;Helicoverpa;Helicoverpa armigera
 UdeM00000021669 6596 545.4 UdeM00000021669 XP_045195356.1 41.7 786
 355 17 15 772 47 757 1.10E-151 545.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021673 6579 124.4 UdeM00000021673 XP_033728274.1 36.7 207
 100 3 1 180 1 203 1.50E-25 124.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021674 6565 528.9 UdeM00000021674 XP_022292728.1 58.9 419
 172 0 1 419 304 722 6.00E-147 528.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021675 6596 97.1 UdeM00000021675 XP_045196423.1 41.7 144
 62 4 1 132 1 134 1.80E-17 97.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021676 6573 245 UdeM00000021676 XP_021369376.1 38.7 380
 218 6 9 379 3 376 1.60E-61 245 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021677 1735272 308.5 UdeM00000021677 XP_041369131.1 57.5
261 107 2 31 291 35 291 9.70E-81 308.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021678 6596 552 UdeM00000021678 XP_045197175.1 65.6 439
142 5 29 459 492 929 7.30E-154 552 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021679 6596 354 UdeM00000021679 XP_045197197.1 49.5 392
181 8 22 412 110 485 2.60E-94 354 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021680 29159 416 UdeM00000021680 XP_011453499.2 70 290
87 0 1 290 1 290 3.90E-113 416 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021681 29159 365.9 UdeM00000021681 XP_011453499.2 75.1 237
59 0 1 237 1 237 4.10E-98 365.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021682 29159 365.5 UdeM00000021682 XP_011451831.2 34.3 703
399 16 4 681 18 682 1.60E-97 365.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021683 7906 142.5 UdeM00000021683 XP_033888145.2 53.4 131
57 2 11 141 808 934 1.40E-30 142.5 7906 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipenseridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000021684 6596 729.9 UdeM00000021684 XP_045197040.1 50.2 849
310 10 1468 2258 1874 2667 9.50E-207 729.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021685 1735272 101.3 UdeM00000021685 XP_041356267.1 50.5
107 52 1 40 145 202 308 1.40E-18 101.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021686 2607531 162.2 UdeM00000021686 XP_029646182.1 49.8
 237 106 8 1 227 4 237 1.40E-36 162.2 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000021687 6565 132.1 UdeM00000021687 XP_022292375.1 59.3 118
 35 3 1139 1254 816 922 4.90E-27 132.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021688 6596 1678.7 UdeM00000021688 XP_045197090.1 72.1
 1117 305 4 8 1119 2114 3228 0.00E+00 1678.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021689 6596 2720.3 UdeM00000021689 XP_045197090.1 70.1
 1931 494 13 2 1859 200 2119 0.00E+00 2720.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021690 6596 291.6 UdeM00000021690 XP_045197090.1 76.8 185
 43 0 1 185 1 185 7.20E-76 291.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021691 6596 579.3 UdeM00000021691 XP_045199072.1 87.1 317
 41 0 1 317 1 317 2.90E-162 579.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021692 6579 187.6 UdeM00000021692 XP_033736589.1 51.3 191
 90 2 147 336 8 196 2.80E-44 187.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021693 6573 412.5 UdeM00000021693 XP_021366734.1 56.2 390
 157 6 1 381 143 527 5.70E-112 412.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001300 6596 209.1 UdeM00000001300 XP_045176893.1 27.1 665
 420 15 1 655 4 613 2.00E-50 209.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001301 6565 138.7 UdeM00000001301 XP_022318420.1 48.4 124
 64 0 369 492 73 196 5.50E-29 138.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001302 29159 138.7 UdeM00000001302 XP_011451070.1 62.7 110
 41 0 1 110 1 110 4.60E-30 138.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001303 6596 537 UdeM00000001303 XP_045175289.1 44.4 807
 297 16 5 765 53 753 4.20E-149 537 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001304 6596 120.6 UdeM00000001304 XP_045175285.1 45.6 147
 77 1 114 257 888 1034 3.00E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001306 6596 858.2 UdeM00000001306 XP_045177320.1 75.4 513
 126 0 4 516 15 527 5.30E-246 858.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001307 6596 229.2 UdeM00000001307 XP_045174232.1 62.1 182
 66 2 6 186 7 186 4.40E-57 229.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001308 6596 229.2 UdeM00000001308 XP_045174232.1 62.1 182
 66 2 6 186 7 186 4.90E-57 229.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001309 6596 71.2 UdeM00000001309 XP_045174232.1 77.9 149
 33 0 5 153 188 336 1.30E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001310 6596 312 UdeM00000001310 XP_045174237.1 51.7 350
 144 7 14 354 374 707 9.80E-82 312 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001311 6596 282.3 UdeM00000001311 XP_045174232.1 68.7 201
 61 2 26 225 585 784 5.30E-73 282.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001312 2607531 313.5 UdeM00000001312 XP_029636107.1 49.7
318 122 4 14 331 658 937 3.90E-82 313.5 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000001313 6500 313.9 UdeM00000001313 XP_012938387.1 50.3 320
122 3 14 333 470 752 3.00E-82 313.9 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000001316 6596 216.1 UdeM00000001316 XP_045185723.1 37 362
200 7 7 361 455 795 9.00E-53 216.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001317 6596 391.7 UdeM00000001317 XP_045188223.1 50.6 362
175 2 1 362 308 665 1.00E-105 391.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001318 6596 122.1 UdeM00000001318 XP_045206982.1 51 104
51 0 4 107 80 183 4.80E-25 122.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001319 6596 528.5 UdeM00000001319 XP_045175044.1 43.3 619
344 4 29 645 25 638 1.20E-146 528.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001320 6596 748.4 UdeM00000001320 XP_045175045.1 43.6 896
482 10 13 895 3 888 1.10E-212 748.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001321 45264 97.8 UdeM00000001321 XP_044184709.1 51.7 87
42 0 38 124 55 141 2.20E-17 97.8 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000001322 1529436 167.2 UdeM00000001322 XP_033095325.1 49.1
159 80 1 4 161 100 258 2.00E-38 167.2 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000001323 45264 95.9 UdeM00000001323 XP_044165143.1 46.7 107
55 2 2 106 367 473 3.60E-17 95.9 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000001324 45264 365.2 UdeM00000001324 XP_044165143.1 45.8 443
174 6 27 407 35 473 1.10E-97 365.2 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000001325 45264 314.7 UdeM00000001325 XP_044165143.1 56.9 274
113 2 42 314 35 304 1.30E-82 314.7 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000001326 6596 743.4 UdeM00000001326 XP_045175045.1 44 878
472 9 30 897 25 892 3.50E-211 743.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001327 6596 370.2 UdeM00000001327 XP_045175869.1 53.3 332
149 3 6 332 21 351 3.00E-99 370.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001328 6596 699.5 UdeM00000001328 XP_045176166.1 63.2 517
190 0 1 517 1 517 3.20E-198 699.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001329 29159 929.5 UdeM00000001329 XP_034318291.1 78.2 568
113 1 18 574 39 606 2.10E-267 929.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001330 29159 966.5 UdeM00000001330 XP_011445026.2 79.2 582
120 1 18 598 39 620 1.60E-278 966.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001332 29159 939.1 UdeM00000001332 XP_034318291.1 79 568
108 1 18 574 39 606 2.60E-270 939.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001331 6596 918.7 UdeM00000001331 XP_045176057.1 78.2 573
95 1 10 552 94 666 3.50E-264 918.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001333 6596 928.7 UdeM00000001333 XP_045176057.1 80.1 572
 101 4 7 572 76 640 3.60E-267 928.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001334 6596 100.5 UdeM00000001334 XP_045176056.1 55.8 95
 40 2 1 95 1 93 1.30E-18 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001335 6573 375.2 UdeM00000001335 XP_021340663.1 88.2 204
 24 0 1 204 1 204 5.40E-101 375.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001336 6573 381.7 UdeM00000001336 XP_021349453.1 70 237
 71 0 1 237 10 246 6.70E-103 381.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001337 6596 318.5 UdeM00000001337 XP_045174880.1 39.6 414
 228 4 176 570 395 805 1.70E-83 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001338 6596 315.5 UdeM00000001338 XP_045174880.1 39.4 414
 230 4 176 571 395 805 1.40E-82 315.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001339 6596 528.5 UdeM00000001339 XP_045175512.1 34.5 1615
 644 54 34 1584 22 1286 3.00E-146 528.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001340 6565 236.1 UdeM00000001340 XP_022286640.1 63.9 166
 59 1 4 168 3 168 1.00E-58 236.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostre
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001342 6596 234.6 UdeM00000001342 XP_045175506.1 46.1 531
 227 11 2 525 767 1245 6.60E-58 234.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001343 45264 149.8 UdeM00000001343 XP_044184288.1 41.7 180
 98 2 46 222 43 218 6.40E-33 149.8 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000001344 1529436 126.7 UdeM00000001344 XP_033095325.1 50.9
 112 55 0 1 112 69 180 3.20E-26 126.7 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000001345 151771 421.4 UdeM00000001345 XP_028419301.1 50.3
 449 192 6 42 462 34 479 1.50E-114 421.4 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000001346 6573 1460.7 UdeM00000001346 XP_021353301.1 67
 1075 338 5 1 1058 1 1075 0.00E+00 1460.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001347 37621 402.5 UdeM00000001347 XP_014672567.1 45.6 421
 213 5 1 408 101 518 7.10E-109 402.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000001348 7668 591.7 UdeM00000001348 XP_003729577.2 39.1 867
 481 16 49 883 65 916 1.60E-165 591.7 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000001349 7668 585.5 UdeM00000001349 XP_003729577.2 39.3 855
 472 16 85 907 77 916 1.20E-163 585.5 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000001351 6596 309.3 UdeM00000001351 XP_045176608.1 44.2 450
 172 14 26 440 47 452 7.90E-81 309.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001352 6579 69.3 UdeM00000001352 XP_033753254.1 83.3 36
 6 0 2 37 367 402 1.20E-09 69.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001353 6596 561.6 UdeM00000001353 XP_045177772.1 75.6 386
 92 2 5 389 903 1287 7.80E-157 561.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001354 6596 1867.8 UdeM00000001354 XP_045177770.1 72.6
1309 333 9 1 1301 1 1291 0.00E+00 1867.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001355 6596 971.5 UdeM00000001355 XP_045177029.1 58.3 797
308 8 7 782 6 799 6.50E-280 971.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001356 6596 111.7 UdeM00000001356 XP_045177029.1 64.2 81
26 1 43 123 565 642 6.90E-22 111.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001357 1735272 416.8 UdeM00000001357 XP_041354468.1 60.6
340 130 2 66 405 33 368 3.30E-113 416.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000001358 6596 278.5 UdeM00000001358 XP_045177093.1 46.8 312
158 3 1 308 1 308 1.00E-71 278.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001359 6565 686 UdeM00000001359 XP_022320075.1 45.5 765
401 6 1 758 1 756 5.30E-194 686 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001360 6596 563.1 UdeM00000001360 XP_045175077.1 73.8 351
76 1 1 351 1 335 2.40E-157 563.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001361 6596 574.7 UdeM00000001361 XP_045175077.1 77.3 335
76 0 1 335 1 335 7.60E-161 574.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001362 6565 495.4 UdeM00000001362 XP_022341528.1 47.7 499
219 6 1 499 1 457 8.80E-137 495.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000001363 1735272 95.1 UdeM00000001363 XP_041367524.1 61.3
62 24 0 49 110 43 104 7.00E-17 95.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000001364 6596 174.5 UdeM00000001364 XP_045177008.1 38.8 232
141 1 22 253 11 241 1.70E-40 174.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001366 6573 145.6 UdeM00000001366 XP_021345746.1 38.3 201
116 3 5 200 55 252 6.80E-32 145.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000001367 6596 583.9 UdeM00000001367 XP_045174993.1 75 344
86 0 1 344 1 344 1.60E-163 583.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001368 6596 296.6 UdeM00000001368 XP_045176632.1 50.5 289
137 4 53 336 341 628 4.10E-77 296.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001369 6596 285.8 UdeM00000001369 XP_045176632.1 56 241
97 3 53 284 341 581 6.80E-74 285.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001370 6596 196.4 UdeM00000001370 XP_045173066.1 34.2 322
203 6 23 339 36 353 5.70E-47 196.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001371 6596 195.7 UdeM00000001371 XP_045173066.1 36 297
181 6 20 311 61 353 9.00E-47 195.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001372 6579 229.2 UdeM00000001372 XP_033739127.1 39.8 244
146 1 7 250 23 265 5.90E-57 229.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001373 7654 58.5 UdeM00000001373 XP_041482248.1 36.4 99
 52 2 6 93 281 379 5.80E-06 58.5 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000001375 6579 215.7 UdeM00000001375 XP_033739127.1 40.2 229
 136 1 4 232 38 265 6.30E-53 215.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001377 6596 136.7 UdeM00000001377 XP_045209337.1 31 255
 163 7 1 251 14 259 4.80E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001378 6596 1560 UdeM00000001378 XP_045176565.1 80.2 1040
 205 1 1 1040 1 1039 0.00E+00 1560 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001380 6573 105.5 UdeM00000001380 XP_021341418.1 42 131
 74 2 9 138 37 166 9.90E-20 105.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001381 6596 246.1 UdeM00000001381 XP_045160797.1 44.7 342
 189 0 1 342 1 342 8.60E-61 246.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001382 6596 151.8 UdeM00000001382 XP_045177393.1 40.9 193
 113 1 7 198 7 199 1.10E-33 151.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001383 6596 146.4 UdeM00000001383 XP_045176960.1 42.9 184
 99 3 1 179 1 183 3.60E-32 146.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001384 6596 996.5 UdeM00000001384 XP_045175661.1 52.1 889
 411 8 10 888 293 1176 2.20E-287 996.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001385 6596 994.6 UdeM00000001385 XP_045175661.1 51.6 901
 409 9 10 900 293 1176 8.30E-287 994.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001386 6596 996.5 UdeM00000001386 XP_045175661.1 52 895
409 9 10 894 293 1176 2.20E-287 996.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001387 6573 308.5 UdeM00000001387 XP_021357130.1 78.7 197
42 0 326 522 313 509 1.60E-80 308.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001389 45351 390.2 UdeM00000001389 XP_032219150.1 29.9 927
517 28 9 915 10 823 8.60E-105 390.2 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000001390 6596 613.6 UdeM00000001390 XP_045175868.1 76.4 382
89 1 1 382 1 381 1.70E-172 613.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001391 6596 448 UdeM00000001391 XP_045174469.1 48.1 595
229 14 84 657 91 626 2.10E-122 448 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001394 6596 296.2 UdeM00000001394 XP_045176951.1 91.3 149
13 0 3 151 27 175 2.40E-77 296.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001395 6596 347.4 UdeM00000001395 XP_045176951.1 93.1 175
12 0 1 175 1 175 1.00E-92 347.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001397 6596 842.4 UdeM00000001397 XP_045175501.1 55.8 799
312 12 14 784 112 897 4.60E-241 842.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001398 6596 864.4 UdeM00000001398 XP_045175502.1 54.8 857
333 10 12 825 5 850 1.20E-247 864.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001399 29159 211.1 UdeM00000001399 XP_011427495.2 76 146
 34 1 1 145 1 146 2.20E-51 211.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001400 6565 210.3 UdeM00000001400 XP_022300453.1 74.5 149
 37 1 1 148 1 149 1.70E-51 210.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001401 6579 223.4 UdeM00000001401 XP_033752869.1 81.8 121
 21 1 22 142 3 122 2.50E-55 223.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001402 6596 134.4 UdeM00000001402 XP_045175451.1 51.9 131
 51 1 15 133 397 527 1.10E-28 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001403 6596 213 UdeM00000001403 XP_045175451.1 30.3 542
 333 16 7 521 4 527 9.10E-52 213 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001405 400727 155.6 UdeM00000001405 XP_025086071.1 81.1
 90 17 0 1 90 59 148 3.00E-35 155.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000001404 10224 229.2 UdeM00000001404 XP_002735002.1 78.8 137
 29 0 13 149 11 147 3.50E-57 229.2 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000001406 10224 173.3 UdeM00000001406 XP_006820181.1 46.8 190
 101 0 1 190 164 353 2.90E-40 173.3 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000001407 10224 142.9 UdeM00000001407 XP_006820181.1 43.3 180
 94 3 3 175 373 551 3.90E-31 142.9 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000001409 6596 87 UdeM00000001409 XP_045177330.1 26.6 478
 228 21 59 455 175 610 7.10E-14 87 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001410 6596 682.9 UdeM00000001410 XP_045177330.1 45.5 951
 383 27 59 924 175 1075 5.50E-193 682.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001411 6596 797 UdeM00000001411 XP_045174517.1 33.9 2142
 830 61 17 1976 116 1854 5.70E-227 797 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001412 6596 534.6 UdeM00000001412 XP_045175485.1 53.4 513
 217 8 39 541 42 542 1.40E-148 534.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001413 6565 514.6 UdeM00000001413 XP_022332622.1 78.5 302
 65 0 4 305 6 307 8.50E-143 514.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001414 6596 807.4 UdeM00000001414 XP_045176706.1 71.4 646
 183 2 89 734 95 738 1.50E-230 807.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001415 6596 540 UdeM00000001415 XP_045174342.1 45.9 699
 287 17 2 648 49 708 4.40E-150 540 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001416 6596 801.6 UdeM00000001416 XP_045176706.1 71.6 649
 176 2 86 727 91 738 8.30E-229 801.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001417 6596 802.7 UdeM00000001417 XP_045176706.1 72.7 649
 172 2 86 730 91 738 3.70E-229 802.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001418 6596 569.3 UdeM00000001418 XP_045176697.1 73.1 368
 98 1 32 399 409 775 3.80E-159 569.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001419 29159 294.3 UdeM00000001419 XP_034317111.1 55 262
 118 0 2 263 171 432 3.00E-76 294.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001420 6596 547.4 UdeM00000001420 XP_045176980.1 67.7 396
 122 2 1 395 1 391 1.50E-152 547.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001421 1735272 584.3 UdeM00000001421 XP_041367289.1 70.9
 422 122 1 1 422 1 421 1.50E-163 584.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001422 6596 1240.7 UdeM00000001422 XP_045174873.1 66.7
 953 307 7 1 947 1 949 0.00E+00 1240.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001423 6596 348.6 UdeM00000001423 XP_045161716.1 81 211
 40 0 1 211 1 211 5.70E-93 348.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001424 6596 275.8 UdeM00000001424 XP_045194411.1 29.2 739
 463 20 84 788 40 752 1.80E-70 275.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001426 6596 437.2 UdeM00000001426 XP_045175151.1 48.9 446
 211 6 19 448 33 477 2.60E-119 437.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001425 6596 437.2 UdeM00000001425 XP_045175151.1 48.9 446
 211 6 35 464 33 477 2.60E-119 437.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001427 6579 536.6 UdeM00000001427 XP_033751222.1 87.9 306
 36 1 1 305 1 306 2.40E-149 536.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001428 6579 278.5 UdeM00000001428 XP_033753377.1 67.2 195
 64 0 1 195 1 195 6.70E-72 278.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001429 6596 511.5 UdeM00000001429 XP_045175375.1 64.5 375
 116 2 1 372 1 361 9.80E-142 511.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001430 6596 360.9 UdeM00000001430 XP_045177258.1 64 367
 122 3 1 358 1 366 1.90E-96 360.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001431 6596 345.1 UdeM00000001431 XP_045176008.1 53.6 323
 147 3 2 322 1 322 9.50E-92 345.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001432 6596 318.9 UdeM00000001432 XP_045176008.1 55 282
 126 1 2 283 31 311 6.50E-84 318.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001433 6596 310.1 UdeM00000001433 XP_045176330.1 49.5 305
 152 2 26 329 28 331 3.50E-81 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001434 225164 622.9 UdeM00000001434 XP_009046252.1 59.8
 460 182 2 72 531 60 516 3.90E-175 622.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000001436 6565 67 UdeM00000001436 XP_022335730.1 41.1 95
 49 2 1 93 597 686 7.40E-08 67 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001435 6565 77 UdeM00000001435 XP_022335730.1 42.3 104
 53 2 4 105 588 686 7.30E-11 77 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001437 6579 359 UdeM00000001437 XP_033752089.1 47 351
 161 4 27 368 22 356 7.50E-96 359 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001438 6579 350.9 UdeM00000001438 XP_033752089.1 47.4 344
156 4 1 335 29 356 1.90E-93 350.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001439 6596 725.3 UdeM00000001439 XP_045177278.1 57.6 592
243 3 1 585 26 616 6.80E-206 725.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001440 6596 317 UdeM00000001440 XP_045177278.1 50.8 266
131 0 1 266 26 291 2.30E-83 317 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001441 6596 1019.2 UdeM00000001441 XP_045174268.1 79.9
631 122 3 1 628 1 629 2.20E-294 1019.2 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001443 6596 470.3 UdeM00000001443 XP_045177366.1 60.2 369
146 1 2 369 69 437 2.30E-129 470.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001442 6596 519.6 UdeM00000001442 XP_045177366.1 59.2 412
167 1 2 412 26 437 3.70E-144 519.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001444 1735272 380.2 UdeM00000001444 XP_041358762.1 51.9
618 247 6 1 604 1 582 5.00E-102 380.2 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000001445 6573 570.5 UdeM00000001445 XP_021343672.1 55.4 495
214 4 20 514 27 514 2.20E-159 570.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000001446 6579 584.3 UdeM00000001446 XP_033750563.1 55.7 515
213 6 8 515 4 510 1.50E-163 584.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001448 1735272 752.3 UdeM00000001448 XP_041367483.1 58.6
 630 237 9 37 650 7 628 5.80E-214 752.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001449 6579 550.1 UdeM00000001449 XP_033753505.1 67.8 379
 122 0 12 390 33 411 2.40E-153 550.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001450 6596 219.5 UdeM00000001450 XP_045175978.1 51 206
 98 2 1 206 1 203 4.80E-54 219.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001451 6573 346.7 UdeM00000001451 XP_021349447.1 52.4 357
 157 3 24 377 55 401 4.70E-92 346.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001452 225164 199.5 UdeM00000001452 XP_009051525.1 69
 158 49 0 61 218 85 242 4.40E-48 199.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000001454 6596 396.4 UdeM00000001454 XP_045176317.1 36.2 1333
 657 35 31 1347 31 1186 1.60E-106 396.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001455 6596 383.3 UdeM00000001455 XP_045175664.1 62.1 346
 115 10 4 339 3 342 3.30E-103 383.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001456 6573 510.4 UdeM00000001456 XP_021345711.1 54.5 468
 205 4 27 487 18 484 2.60E-141 510.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001457 6579 364.4 UdeM00000001457 XP_033749183.1 50.3 352
 171 2 6 354 68 418 1.80E-97 364.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001458 6579 307.8 UdeM00000001458 XP_033749183.1 46.6 350
 176 7 2 343 139 485 1.80E-80 307.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001459 6579 419.9 UdeM00000001459 XP_033749183.1 49.8 422
206 4 6 422 68 488 4.00E-114 419.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001460 6579 489.6 UdeM00000001460 XP_033749183.1 50.3 473
224 5 8 478 22 485 4.70E-135 489.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001462 6579 488.4 UdeM00000001462 XP_033749183.1 51.4 467
213 5 8 463 22 485 1.00E-134 488.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001461 6579 488.4 UdeM00000001461 XP_033749183.1 51.4 467
213 5 27 482 22 485 1.10E-134 488.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001463 6596 390.2 UdeM00000001463 XP_045177367.1 52.8 341
154 3 1 337 1 338 2.80E-105 390.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001466 1735272 103.2 UdeM00000001466 XP_041372946.1 38.3
107 63 1 14 120 51 154 2.50E-19 103.2 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000001467 6596 224.9 UdeM00000001467 XP_045206316.1 52.4 212
100 1 26 236 123 334 1.00E-55 224.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001468 6596 221.5 UdeM00000001468 XP_045206316.1 52.2 207
98 1 2 207 128 334 1.00E-54 221.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001469 6596 141.4 UdeM00000001469 XP_045167895.1 46.6 133
67 2 12 143 20 149 1.10E-30 141.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001470 6596 137.9 UdeM00000001470 XP_045167895.1 45.1 133
69 2 20 151 20 149 1.20E-29 137.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001472	225164	138.3	UdeM00000001472	XP_009057901.1	75.6				
82	20	0	3	84	2	83	4.70E-30	138.3	225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000001474	29159	177.2	UdeM00000001474	XP_034318351.1	91.8	98			
8	0	46	143	16	113	1.60E-41	177.2	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001475	6596	1346.6	UdeM00000001475	XP_045177288.1	75.8				
977	195	4	33	1004	113	1053	0.00E+00	1346.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001476	6579	275	UdeM00000001476	XP_033752294.1	33.3	438			
269	11	26	456	31	452	1.70E-70	275	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001477	6579	506.5	UdeM00000001477	XP_033753392.1	67.5	381			
118	5	10	388	4	380	3.00E-140	506.5	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001478	6596	604	UdeM00000001478	XP_045177015.1	64.7	447			
154	2	1	447	2	444	1.60E-169	604	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001481	6573	887.5	UdeM00000001481	XP_021338880.1	54.6	842			
354	7	2	832	34	858	1.50E-254	887.5	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001480	6573	887.5	UdeM00000001480	XP_021338880.1	54.6	842			
354	7	2	832	34	858	1.60E-254	887.5	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001482	400727	386	UdeM00000001482	XP_025088721.1	62				
305	111	3	4	304	6	309	4.80E-104	386	400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000001483 7739 412.5 UdeM00000001483 XP_035691534.1 37 736
 422 16 367 1071 437 1161 1.60E-111 412.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000001484 400727 58.5 UdeM00000001484 XP_025088721.1 44.6
 74 40 1 1 73 315 388 4.20E-06 58.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000001485 29159 352.8 UdeM00000001485 XP_011450778.2 61.2 276
 107 0 39 314 11 286 4.70E-94 352.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001486 6596 434.1 UdeM00000001486 XP_045176652.1 72.8 272
 73 1 1 271 2 273 1.70E-118 434.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001487 105023 129 UdeM00000001487 XP_015828284.1 40
 185 101 3 31 211 142 320 7.00E-27 129 105023
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc
 hius furzeri
 UdeM00000001488 6565 707.6 UdeM00000001488 XP_022338696.1 81.1 418
 77 2 140 556 9 425 1.30E-200 707.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001489 6596 521.2 UdeM00000001489 XP_045175233.1 77.1 349
 71 1 1 349 1 340 1.00E-144 521.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001490 1735272 240.7 UdeM00000001490 XP_041365979.1 40
 425 211 12 1 411 1 395 3.20E-60 240.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001491 6579 641 UdeM00000001491 XP_033753319.1 55.5 782
 252 21 5 728 4 747 1.90E-180 641 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001492 6596 643.7 UdeM00000001492 XP_045176752.1 58.2 752
 260 17 1 730 1 720 2.90E-181 643.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001493 6579 641 UdeM00000001493 XP_033753319.1 56.1 779
 251 21 5 727 4 747 1.90E-180 641 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001494 6579 404.4 UdeM00000001494 XP_033752048.1 64.6 378
 132 2 1 377 1 377 2.20E-109 404.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001495 6579 389 UdeM00000001495 XP_033752049.1 64.8 366
 127 2 1 365 1 365 9.50E-105 389 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001497 6596 259.2 UdeM00000001497 XP_045174842.1 69.4 183
 56 0 7 189 15 197 4.00E-66 259.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001498 260615 166.4 UdeM00000001498 XP_039383630.1 53.9
 180 26 2 1 123 160 339 2.30E-38 166.4 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
 oemydidae;Geoemydinae;Mauremys;Mauremys reevesii
 UdeM00000001499 6596 394 UdeM00000001499 XP_045176963.1 37.4 725
 357 22 3 707 14 661 3.90E-106 394 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001500 6596 181.4 UdeM00000001500 XP_045176354.1 67.5 126
 40 1 29 154 36 160 8.70E-43 181.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001502 225164 169.1 UdeM00000001502 XP_009051743.1 74.8
 107 27 0 3 109 15 121 3.20E-39 169.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000001501 29159 185.3 UdeM00000001501 XP_011447694.1 73.3 120
 32 0 1 120 1 120 4.70E-44 185.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001503 6579 649.4 UdeM00000001503 XP_033753100.1 43.9 813
 414 8 5 809 12 790 5.90E-183 649.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001504 6596 476.9 UdeM00000001504 XP_045176835.1 43.4 576
 285 8 6 544 6 577 4.70E-131 476.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001505 6573 1224.2 UdeM00000001505 XP_021359609.1 36.7
 2664 1254 72 9 2499 22 2426 0.00E+00 1224.2 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001506 1735272 391.3 UdeM00000001506 XP_041366089.1 49.7
 378 182 4 45 418 26 399 1.50E-105 391.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001507 6579 1914.8 UdeM00000001507 XP_033753365.1 60.1
 1610 600 15 29 1621 19 1602 0.00E+00 1914.8 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001508 1735272 104 UdeM00000001508 XP_041365593.1 86
 57 8 0 1 57 1083 1139 6.60E-20 104 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001509 6573 1960.3 UdeM00000001509 XP_021371373.1 83
 1141 193 1 1 1141 1 1140 0.00E+00 1960.3 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001510 6579 900.6 UdeM00000001510 XP_033753237.1 72.6 620
 147 5 11 625 3 604 1.10E-258 900.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001511 7574 834.7 UdeM00000001511 XP_013381205.1 74 557
 135 3 1 555 1 549 6.80E-239 834.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000001512 6596 248.8 UdeM00000001512 XP_045175129.1 62.6 182
67 1 25 205 14 195 5.90E-63 248.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001514 6573 672.9 UdeM00000001514 XP_021371369.1 31.6 1677
799 37 532 1979 104 1661 1.20E-189 672.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001515 6596 161.8 UdeM00000001515 XP_045175094.1 83.1 89
15 0 1 89 1 89 5.10E-37 161.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001516 29159 176.4 UdeM00000001516 XP_011423091.1 89.8 88
9 0 5 92 6 93 2.80E-41 176.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001517 29159 176.4 UdeM00000001517 XP_011423091.1 89.8 88
9 0 5 92 6 93 2.80E-41 176.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001519 6596 112.8 UdeM00000001519 XP_045180427.1 39 177
105 2 76 250 98 273 6.50E-22 112.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001520 6596 73.9 UdeM00000001520 XP_045194941.1 64.2 67
24 0 1 67 1 67 8.70E-11 73.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001521 6596 1218 UdeM00000001521 XP_045174975.1 46.9 1597
552 37 58 1429 93 1618 0.00E+00 1218 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001522 6596 1233.4 UdeM00000001522 XP_045174974.1 47.6
1587 541 36 58 1408 93 1625 0.00E+00 1233.4 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001523 6596 400.6 UdeM00000001523 XP_045175128.1 73.3 266
 70 1 1 266 1 265 1.60E-108 400.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001525 1735272 100.9 UdeM00000001525 XP_041365892.1 34.7
 144 93 1 1 143 1601 1744 2.00E-18 100.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001524 7654 118.2 UdeM00000001524 XP_041481100.1 35.9 184
 101 4 626 795 1462 1642 4.80E-23 118.2 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000001526 6579 498.8 UdeM00000001526 XP_033753234.1 62.6 422
 144 5 43 457 16 430 7.60E-138 498.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001527 6579 109.8 UdeM00000001527 XP_033728194.1 41.1 146
 77 2 89 230 166 306 5.60E-21 109.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001531 8267 71.6 UdeM00000001531 XP_034464103.1 25.3 182
 129 3 9 185 18 197 1.20E-09 71.6 8267 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Pleuronectiformes;Pl
 euronectoidei;Pleuronectidae;Hippoglossus;Hippoglossus hippoglossus
 UdeM00000001532 6596 439.5 UdeM00000001532 XP_045175625.1 42.3 494
 281 2 39 531 12 502 6.20E-120 439.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001533 6596 89.7 UdeM00000001533 XP_045183801.1 31.9 185
 106 5 37 211 11 185 5.50E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001534 6596 439.1 UdeM00000001534 XP_045175625.1 42.3 494
 281 2 39 531 12 502 8.10E-120 439.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001535 28737 238.8 UdeM00000001535 XP_006903666.1 42 274
 154 4 383 653 266 537 1.90E-59 238.8 28737 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Afrotheria;Macroscelidea;Macroscelididae;Elephantulus;Elephantulus
 edwardii

UdeM00000001536 6596 233 UdeM00000001536 XP_045176079.1 41.4 384
 192 11 37 410 1 361 6.70E-58 233 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001537 6500 361.7 UdeM00000001537 XP_012935262.1 73.8 225
 57 1 1 225 2 224 8.10E-97 361.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000001539 1529436 99 UdeM00000001539 XP_033095325.1 54.8
 84 37 1 4 86 155 238 3.80E-18 99 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica

UdeM00000001538 1529436 107.8 UdeM00000001538 XP_033095325.1 50
 100 49 1 1 99 139 238 9.10E-21 107.8 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica

UdeM00000001540 151771 86.3 UdeM00000001540 XP_028406951.1 29.8
 208 93 5 7 162 212 418 4.10E-14 86.3 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000001541 6596 671.8 UdeM00000001541 XP_045175281.1 70.2 457
 131 2 127 578 168 624 7.90E-190 671.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001542 6573 576.6 UdeM00000001542 XP_021358489.1 60.2 510
 194 2 1 501 1 510 3.00E-161 576.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001543 6579 650.2 UdeM00000001543 XP_033751781.1 63.1 491
 178 2 11 499 35 524 2.10E-183 650.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001545 6596 188.3 UdeM00000001545 XP_045182379.1 43.1 248
 136 3 12 259 407 649 1.30E-44 188.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001546 1826170 75.9 UdeM00000001546 YP_009254794.1 21.8
362 254 8 3 355 497 838 1.60E-10 75.9 1826170

Viruses;Varidnaviria;Bamfordvirae;Nucleocytoviricota;Megaviricetes;Pimascovirales;Marseilleviridae;Marseillevirus;unclassified
Marseillevirus;Tokyovirus A1

UdeM00000001547 1826170 75.5 UdeM00000001547 YP_009254794.1 22.1
362 253 8 3 355 497 838 2.90E-10 75.5 1826170

Viruses;Varidnaviria;Bamfordvirae;Nucleocytoviricota;Megaviricetes;Pimascovirales;Marseilleviridae;Marseillevirus;unclassified
Marseillevirus;Tokyovirus A1

UdeM00000001548 6596 335.5 UdeM00000001548 XP_045182688.1 49.1 330
166 1 190 519 79 406 1.20E-88 335.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001549 6596 652.5 UdeM00000001549 XP_045182688.1 45.1 727
374 4 3 706 13 737 7.10E-184 652.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001550 6596 1448.7 UdeM00000001550 XP_045175080.1 85.3
898 131 1 1 898 1 897 0.00E+00 1448.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001551 6596 244.2 UdeM00000001551 XP_045176961.1 86.4 140
19 0 1 140 1 140 9.90E-62 244.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001552 6596 226.5 UdeM00000001552 XP_045175132.1 41.7 254
136 3 32 278 36 284 7.10E-56 226.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001554 6596 300.8 UdeM00000001554 XP_045177111.1 51.1 272
128 3 2 270 48 317 1.90E-77 300.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001555 6596 230.3 UdeM00000001555 XP_045175132.1 42.6 251
142 2 42 290 34 284 5.00E-57 230.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001557 6596 302.4 UdeM00000001557 XP_045177111.1 50.4 278
133 3 2 276 48 323 1.50E-78 302.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001558 6596 193.7 UdeM00000001558 XP_045176496.1 40.1 242
144 1 21 262 21 261 2.90E-46 193.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001559 29159 402.9 UdeM00000001559 XP_011444932.2 42.8 477
268 4 10 483 52 526 5.80E-109 402.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001564 6596 326.6 UdeM00000001564 XP_045174798.1 76.8 211
49 0 1 211 847 1057 2.40E-86 326.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001565 6596 936.8 UdeM00000001565 XP_045174798.1 77.7 588
126 3 2 588 233 816 1.40E-269 936.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001566 6596 175.3 UdeM00000001566 XP_045174798.1 65.2 138
47 1 1 137 1 138 6.50E-41 175.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001567 6596 607.4 UdeM00000001567 XP_045175243.1 53.5 630
214 12 21 646 77 631 2.30E-170 607.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001568 6596 150.2 UdeM00000001568 XP_045175168.1 60.6 104
41 0 5 108 2 105 1.50E-33 150.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001569 6579 270.8 UdeM00000001569 XP_033752644.1 49.8 273
123 5 1 265 1 267 1.90E-69 270.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000001570 6579 263.8 UdeM00000001570 XP_033752644.1 48.9 278
123 6 1 270 1 267 2.30E-67 263.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000001571 37653 344.4 UdeM00000001571 XP_014775400.1 42.9 471
198 11 19 425 2 465 2.10E-91 344.4 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000001572 6500 396.7 UdeM00000001572 XP_005109012.1 67.2 296
95 1 1 296 1 294 2.50E-107 396.7 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica
UdeM00000001573 2607531 110.2 UdeM00000001573 XP_036358767.1 54.2
83 38 0 122 204 84 166 3.30E-21 110.2 2607531
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus sinensis
UdeM00000001574 37621 73.2 UdeM00000001574 XP_014670482.1 41.7 72
42 0 23 94 50 121 2.60E-10 73.2 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus
UdeM00000001575 225164 342 UdeM00000001575 XP_009043606.1 47.7
365 187 2 7 367 26 390 9.10E-91 342 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000001576 7574 173.3 UdeM00000001576 XP_013382110.1 60.8 125
49 0 1 125 113 237 2.00E-40 173.3 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000001577 7574 102.8 UdeM00000001577 XP_013384628.1 35.7 185
98 4 6 173 99 279 4.40E-19 102.8 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000001578 29159 150.2 UdeM00000001578 XP_034338151.1 62.3 114
42 1 1 114 285 397 1.60E-33 150.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000001579 6573 349.4 UdeM00000001579 XP_021368044.1 43.2 412
216 6 90 486 154 562 7.60E-93 349.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000001580 6579 639 UdeM00000001580 XP_033751708.1 61 585
 154 14 152 678 124 692 7.10E-180 639 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001581 6596 962.6 UdeM00000001581 XP_045174478.1 64 956
 315 7 41 990 28 960 3.90E-277 962.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001582 6596 190.3 UdeM00000001582 XP_045175240.1 33.6 428
 241 12 118 534 337 732 8.80E-45 190.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001583 29159 281.2 UdeM00000001583 XP_011434351.2 34.6 581
 304 17 23 580 193 720 4.00E-72 281.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001584 7739 279.3 UdeM00000001584 XP_035661194.1 57.1 219
 91 1 40 258 99 314 1.70E-71 279.3 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000001585 29159 191 UdeM00000001585 XP_011443807.2 53.2 188
 80 3 2 184 9 193 1.30E-45 191 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001586 6596 343.2 UdeM00000001586 XP_045174464.1 56.7 289
 116 5 12 294 8 293 3.50E-91 343.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001587 6596 1209.5 UdeM00000001587 XP_045174464.1 56.8
 1051 426 7 5 1031 293 1339 0.00E+00 1209.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001588 6596 576.6 UdeM00000001588 XP_045174464.1 45 707
 238 9 10 570 6 707 3.50E-161 576.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001589 6596 730.7 UdeM00000001589 XP_045174464.1 57.3 620
 217 2 2 573 720 1339 1.40E-207 730.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001590 6596 260 UdeM00000001590 XP_045176110.1 68.6 185
55 3 1 184 369 551 2.30E-66 260 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001591 6596 830.9 UdeM00000001591 XP_045176112.1 75.6 501
119 3 24 523 27 525 9.20E-238 830.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001592 6573 113.2 UdeM00000001592 XP_021368218.1 43.8 130
57 3 12 125 643 772 2.40E-22 113.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001593 6596 90.1 UdeM00000001593 XP_045175529.1 36.5 96
61 0 40 135 10 105 3.50E-15 90.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001594 6596 696.4 UdeM00000001594 XP_045175521.1 73.6 451
119 0 1 451 1 451 2.30E-197 696.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001595 6596 64.3 UdeM00000001595 XP_045169421.1 44.3 70
26 1 141 197 53 122 2.10E-07 64.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001597 6596 255.8 UdeM00000001597 XP_045171063.1 45.7 265
139 2 19 279 34 297 6.60E-65 255.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001596 6596 282 UdeM00000001596 XP_045171063.1 46 298
150 3 1 288 1 297 8.80E-73 282 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001598 29159 2522.3 UdeM00000001598 XP_034301655.1 38.7
3531 1857 46 4 3409 85 3433 0.00E+00 2522.3
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001600 29159 2142.9 UdeM00000001600 XP_034301655.1 41.3
2673 1473 30 2 2613 797 3433 0.00E+00 2142.9
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001601 29159 2140.9 UdeM00000001601 XP_034301655.1 41.2
2673 1466 29 2 2603 797 3433 0.00E+00 2140.9
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001602 6087 83.6 UdeM00000001602 XP_012558222.1 41.2 97
56 1 1 96 137 233 1.60E-13 83.6 6087 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
UdeM00000001603 29159 529.6 UdeM00000001603 XP_034314164.1 37.1 735
436 9 30 753 33 752 7.00E-147 529.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001604 29159 1258.4 UdeM00000001604 XP_034301655.1 42
1552 876 13 30 1572 1897 3433 0.00E+00 1258.4
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001605 114398 329.3 UdeM00000001605 XP_042903861.1 38.1
480 286 6 1 476 1 473 8.20E-87 329.3 114398
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum
UdeM00000001606 29159 1300.4 UdeM00000001606 XP_034301655.1 39.2
1731 948 24 43 1699 85 1784 0.00E+00 1300.4
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001608 29159 2050 UdeM00000001608 XP_034301655.1 31.7 4011
1716 41 30 3824 231 3433 0.00E+00 2050 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001610 29159 2318.5 UdeM00000001610 XP_034301655.1 34.8
3816 1830 39 30 3799 231 3433 0.00E+00 2318.5
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001611 6565 136.7 UdeM00000001611 XP_022316847.1 41.4 174
 87 5 9 170 8 178 3.10E-29 136.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001612 29159 822.4 UdeM00000001612 XP_034301655.1 39.7 1143
 662 13 1 1130 2300 3428 7.10E-235 822.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001613 6573 1563.1 UdeM00000001613 XP_021356985.1 38.4
 2265 1218 42 9 2168 90 2282 0.00E+00 1563.1 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001614 6573 1659.8 UdeM00000001614 XP_021356985.1 40
 2220 1198 37 9 2122 90 2282 0.00E+00 1659.8 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001615 6573 253.1 UdeM00000001615 XP_021343061.1 44.5 301
 153 5 34 333 8 295 5.10E-64 253.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001616 6573 252.3 UdeM00000001616 XP_021343061.1 44.5 301
 153 5 34 333 8 295 8.60E-64 252.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001617 6596 1297.7 UdeM00000001617 XP_045176046.1 53.2
 1266 513 18 6 1209 7 1255 0.00E+00 1297.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001618 6596 505.8 UdeM00000001618 XP_045174328.1 59.4 458
 168 4 44 495 44 489 6.50E-140 505.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001619 6596 387.1 UdeM00000001619 XP_045174327.1 77.9 226
 50 0 5 230 15 240 1.60E-104 387.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001620 6706 151.4 UdeM00000001620 XP_042235765.1 44.2 156
 87 0 1 156 1 156 9.90E-34 151.4 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Malacostraca; Eumalacostraca; Eucarida; Decapoda; Pleocyemata; Astacidea; Nephropoidea; Nephropidae; Homarus; Homarus americanus

UdeM00000001621 6573 313.5 UdeM00000001621 XP_021349494.1 40.4 443
235 12 56 489 165 587 4.70E-82 313.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000001622 29159 317.4 UdeM00000001622 XP_034330213.1 46.8 316
151 5 9 322 3 303 2.60E-83 317.4 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000001623 6596 223.4 UdeM00000001623 XP_045195116.1 32.3 356
232 4 91 444 104 452 6.10E-55 223.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001624 6596 223.4 UdeM00000001624 XP_045195116.1 32.3 356
232 4 90 443 104 452 6.10E-55 223.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001625 6596 214.5 UdeM00000001625 XP_045195116.1 31 371
246 5 148 516 104 466 3.20E-52 214.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001626 6596 225.7 UdeM00000001626 XP_045195116.1 33.1 356
229 4 101 454 104 452 1.30E-55 225.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001627 6596 208.4 UdeM00000001627 XP_045195116.1 30.4 342
231 3 157 496 104 440 2.30E-50 208.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001628 6526 111.3 UdeM00000001628 XP_013090314.1 50.4 131
48 3 417 547 232 345 4.00E-21 111.3 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeidae; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000001629 6596 1591.2 UdeM00000001629 XP_045174835.1 55.8
1439 597 13 1 1408 1 1431 0.00E+00 1591.2 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001630 29159 156 UdeM00000001630 XP_011431181.2 87.8 82
 8 1 1 82 28 107 4.30E-35 156 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001631 6412 79.7 UdeM00000001631 XP_009018103.1 76 50
 11 1 2 51 37 85 3.10E-12 79.7 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;
 Helobdella;Helobdella robusta
 UdeM00000001632 6596 642.9 UdeM00000001632 XP_045176002.1 63.9 570
 192 3 1 569 1 557 3.90E-181 642.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001633 6596 268.1 UdeM00000001633 XP_045174903.1 64 203
 72 1 1 203 1 202 9.30E-69 268.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001634 1735272 117.5 UdeM00000001634 XP_041358895.1 55.3
 94 38 2 20 109 4 97 1.10E-23 117.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000001636 6579 426.8 UdeM00000001636 XP_033752540.1 66.3 522
 165 4 68 581 234 752 4.50E-116 426.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001637 6596 392.1 UdeM00000001637 XP_045175367.1 83.3 234
 37 2 69 300 1 234 6.30E-106 392.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001647 6596 258.5 UdeM00000001647 XP_045177337.1 53.6 250
 91 2 15 264 189 413 9.50E-66 258.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001648 6596 542 UdeM00000001648 XP_045177337.1 61.1 437
 158 4 6 441 414 839 7.30E-151 542 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001649 6596 294.3 UdeM00000001649 XP_045177123.1 40.3 516
 244 16 129 624 145 616 3.80E-76 294.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001651 6596 629.8 UdeM00000001651 XP_045175655.1 78.8 392
 83 0 7 398 34 425 2.40E-177 629.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001654 9601 113.2 UdeM00000001654 XP_024093036.1 36.1 202
 116 7 327 524 311 503 1.00E-21 113.2 9601 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Catarri
 ni;Hominoidea;Hominidae;Ponginae;Pongo;Pongo abelii
 UdeM00000001655 46514 114 UdeM00000001655 XP_038062048.1 24.8 471
 294 17 5 446 51 490 5.00E-22 114 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000001656 6596 317.4 UdeM00000001656 XP_045216906.1 48.1 316
 158 5 6 318 144 456 2.10E-83 317.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001657 29159 493.4 UdeM00000001657 XP_034318217.1 34.3 878
 471 22 45 835 16 874 5.60E-136 493.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001658 29159 527.7 UdeM00000001658 XP_034318217.1 35 878
 500 21 45 870 16 874 2.80E-146 527.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001660 70779 83.6 UdeM00000001660 XP_015777172.1 38.7 93
 57 0 2 94 45 137 1.70E-13 83.6 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000001661 6565 68.6 UdeM00000001661 XP_022299838.1 46.9 49
 26 0 69 117 59 107 6.30E-09 68.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001662 6579 302.8 UdeM00000001662 XP_033748087.1 43.2 354
 197 3 6 358 58 408 6.00E-79 302.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000001663 6596 568.2 UdeM00000001663 XP_045175481.1 59.2 449
177 3 1 444 35 482 1.30E-158 568.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000001665 215358 121.3 UdeM00000001665 XP_019113880.2 29.4
327 218 7 1 320 1 321 3.00E-24 121.3 215358
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Eupercaria; Eupercaria incertae sedis; Sciaenidae; Larimichthys; Larimichthys crocea
UdeM00000001664 215358 120.9 UdeM00000001664 XP_019113880.2 29.4
327 218 7 39 358 1 321 4.20E-24 120.9 215358
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Eupercaria; Eupercaria incertae sedis; Sciaenidae; Larimichthys; Larimichthys crocea
UdeM00000001666 6573 107.5 UdeM00000001666 XP_021378878.1 41.3 121
70 1 1 121 14 133 6.40E-20 107.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000001667 400727 451.8 UdeM00000001667 XP_025115894.1 79.8
272 55 0 43 314 57 328 7.00E-124 451.8 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000001668 29159 874.8 UdeM00000001668 XP_011442560.1 56.3 903
315 24 15 892 371 1218 9.50E-251 874.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000001669 1735272 422.9 UdeM00000001669 XP_041365884.1 74
331 73 6 1 322 1 327 3.60E-115 422.9 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopiridae; Gigantopelta; Gigantopelta aegis
UdeM00000001670 6596 782.7 UdeM00000001670 XP_045176200.1 65.9 534
178 3 1 534 35 564 2.90E-223 782.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001671 6596 762.7 UdeM00000001671 XP_045177209.1 54.8 950
 358 26 1 923 38 943 5.50E-217 762.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001672 6573 1307.7 UdeM00000001672 XP_021358460.1 75.6
 1157 252 15 1 1142 1 1142 0.00E+00 1307.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001673 6573 1339.7 UdeM00000001673 XP_021358460.1 75.6
 1179 248 15 1 1166 1 1152 0.00E+00 1339.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001674 6573 158.3 UdeM00000001674 XP_021340276.1 31.4 484
 263 14 31 471 1 458 2.40E-35 158.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001675 6596 282.7 UdeM00000001675 XP_045175665.1 43.2 338
 178 6 17 347 18 348 6.20E-73 282.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001676 6596 537.7 UdeM00000001676 XP_045204271.1 47 583
 295 6 5 579 4 580 1.80E-149 537.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001677 6596 550.4 UdeM00000001677 XP_045204271.1 47.9 583
 290 7 5 579 4 580 2.70E-153 550.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001678 29159 75.1 UdeM00000001678 XP_034339171.1 48 75
 37 1 2 74 16 90 5.20E-11 75.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001679 6596 521.2 UdeM00000001679 XP_045204271.1 45.9 582
 303 5 5 579 4 580 1.70E-144 521.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001680 133434 82.8 UdeM00000001680 XP_022094832.1 35.5
 141 58 2 2 109 347 487 3.30E-13 82.8 133434

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci
UdeM00000001681 6596 515.4 UdeM00000001681 XP_045204271.1 46.1 583
296 8 5 575 4 580 9.40E-143 515.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001682 6596 327.4 UdeM00000001682 XP_045172730.1 44.5 353
190 2 22 368 95 447 2.30E-86 327.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001683 6573 107.1 UdeM00000001683 XP_021355916.1 39.5 124
74 1 2 125 461 583 1.70E-20 107.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000001684 6596 545 UdeM00000001684 XP_045204271.1 47.2 578
299 6 6 579 5 580 1.10E-151 545 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001685 6565 367.5 UdeM00000001685 XP_022339040.1 45 480
251 8 4 478 6 477 2.70E-98 367.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000001686 6596 543.5 UdeM00000001686 XP_045204271.1 48.1 580
293 7 5 579 4 580 3.30E-151 543.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001687 1735272 311.6 UdeM00000001687 XP_041366057.1 68.3
221 69 1 1 220 1 221 8.00E-82 311.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000001688 29159 60.1 UdeM00000001688 XP_011447691.2 29 131
89 2 34 164 386 512 3.40E-06 60.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000001690 6596 175.6 UdeM00000001690 XP_045182558.1 37.7 239
140 5 3 236 159 393 7.40E-41 175.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001691 6596 743.8 UdeM00000001691 XP_045174859.1 72.1 530
 133 6 24 547 29 549 1.50E-211 743.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001692 225164 172.9 UdeM00000001692 XP_009051679.1 50.9
 161 69 2 1 161 1 151 3.30E-40 172.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000001693 6596 131.3 UdeM00000001693 XP_045174194.1 23 586
 373 14 1 562 113 644 3.70E-27 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001694 6579 1199.1 UdeM00000001694 XP_033731116.1 76.2
 780 176 4 68 846 82 852 0.00E+00 1199.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001696 1735272 87.8 UdeM00000001696 XP_041365502.1 78.8
 52 11 0 141 192 110 161 1.70E-14 87.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001695 37653 296.2 UdeM00000001695 XP_014788540.1 48 571
 249 13 136 671 233 790 2.10E-76 296.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000001697 6596 228.4 UdeM00000001697 XP_045176757.1 56.3 467
 159 12 40 490 128 565 4.50E-56 228.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001700 29159 285 UdeM00000001700 XP_011413131.2 62 216
 82 0 15 230 14 229 8.30E-74 285 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001701 6579 521.5 UdeM00000001701 XP_033751716.1 81.4 339
 54 3 20 351 1 337 8.10E-145 521.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001702 6596 664.5 UdeM00000001702 XP_045176730.1 64.9 479
 163 2 1 476 1 477 1.00E-187 664.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001704 6596 360.5 UdeM00000001704 XP_045177776.1 39.7 544
 306 8 127 664 386 913 6.00E-96 360.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001705 6596 376.7 UdeM00000001705 XP_045177776.1 37.8 590
 332 8 72 650 386 951 7.90E-101 376.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001706 6596 62.4 UdeM00000001706 XP_045176413.1 22.3 220
 122 9 11 213 344 531 1.00E-06 62.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001707 6596 99.4 UdeM00000001707 XP_045173143.1 53.9 89
 35 2 2 84 160 248 4.30E-18 99.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001708 8078 90.9 UdeM00000001708 XP_036002885.1 44.4 108
 50 4 1 98 1 108 1.00E-15 90.9 8078 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus
 heteroclitus

UdeM00000001709 8078 91.7 UdeM00000001709 XP_036002885.1 41 122
 62 4 1 112 1 122 7.80E-16 91.7 8078 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus
 heteroclitus

UdeM00000001711 6565 151.8 UdeM00000001711 XP_022310266.1 34 356
 186 12 1 337 1 326 1.60E-33 151.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001712 6596 139 UdeM00000001712 XP_045178868.1 68.4 98
 31 0 1 98 1 98 4.50E-30 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001714 6596 478 UdeM00000001714 XP_045177779.1 37.4 730
 411 15 1 713 97 797 3.90E-131 478 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001715 6596 478 UdeM00000001715 XP_045161521.1 35.9 893
 509 25 1 860 1 863 2.90E-131 478 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001716 6565 105.9 UdeM00000001716 XP_022298867.1 32.3 254
 143 11 46 276 31 278 1.30E-19 105.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001717 6579 270.4 UdeM00000001717 XP_033756999.1 45.9 283
 147 3 1 282 1 278 2.60E-69 270.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001718 6579 258.1 UdeM00000001718 XP_033756999.1 44.5 283
 151 3 1 282 1 278 1.30E-65 258.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001719 6596 392.1 UdeM00000001719 XP_045201849.1 28.5 998
 610 29 15 961 86 1030 2.20E-105 392.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001721 6579 246.1 UdeM00000001721 XP_033739239.1 48.9 268
 118 6 129 377 79 346 9.30E-62 246.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001723 260615 92.4 UdeM00000001723 XP_039397569.1 25.3
 261 189 4 43 302 349 604 1.00E-15 92.4 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
 oemydidae;Geoemydinae;Mauremys;Mauremys reevesii
 UdeM00000001724 7741 198.4 UdeM00000001724 XP_019616261.1 54 163
 74 1 6 167 6 168 7.50E-48 198.4 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000001725 6596 1956.4 UdeM00000001725 XP_045202317.1 42.3
2344 878 37 62 1979 43 2338 0.00E+00 1956.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001726 6596 1388.2 UdeM00000001726 XP_045202317.1 45.8
1492 547 14 22 1262 2609 4090 0.00E+00 1388.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001727 6596 971.8 UdeM00000001727 XP_045202317.1 51.4 914
417 9 18 915 3188 4090 5.90E-280 971.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001729 45351 967.6 UdeM00000001729 XP_032238577.1 49.1 837
425 1 24 859 343 1179 1.00E-278 967.6 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000001731 6596 1242.6 UdeM00000001731 XP_045202317.1 49.8
1177 523 14 24 1136 2725 3897 0.00E+00 1242.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001732 6596 354 UdeM00000001732 XP_045199895.1 44.4 487
249 5 229 714 218 683 5.10E-94 354 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001733 6596 466.1 UdeM00000001733 XP_045201497.1 67.5 311
101 0 1 311 1 311 3.60E-128 466.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001734 6565 179.5 UdeM00000001734 XP_022288944.1 78.6 117
20 1 1 112 1 117 2.50E-42 179.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001735 6565 552 UdeM00000001735 XP_022288944.1 93.5 291
19 0 2 292 127 417 4.60E-154 552 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000001736 6596 199.5 UdeM00000001736 XP_045202610.1 53.6 168
75 1 10 177 158 322 5.10E-48 199.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001737 6596 95.1 UdeM00000001737 XP_045202610.1 34.6 136
83 2 52 182 118 252 9.80E-17 95.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001738 6596 1613.2 UdeM00000001738 XP_045200509.1 71.1
1192 225 14 12 1102 18 1190 0.00E+00 1613.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000001739 6565 1577 UdeM00000001739 XP_022287675.1 72.9 1107
237 13 13 1067 158 1253 0.00E+00 1577 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000001740 1735272 81.6 UdeM00000001740 XP_041350482.1 57.5
87 21 1 1 71 1 87 4.80E-13 81.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000001742 6579 77 UdeM00000001742 XP_033761355.1 51.8 56
27 0 12 67 174 229 1.00E-11 77 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000001743 8049 127.5 UdeM00000001743 XP_030224918.1 65.9 82
28 0 1 82 78 159 8.90E-27 127.5 8049 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
e;Gadus;Gadus morhua
UdeM00000001744 8049 127.1 UdeM00000001744 XP_030224918.1 65.9 82
28 0 1 82 78 159 1.20E-26 127.1 8049 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
e;Gadus;Gadus morhua

UdeM00000001746 6596 139 UdeM00000001746 XP_045199390.1 64.9 111
 37 2 1 111 1 109 3.70E-30 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001747 6579 360.1 UdeM00000001747 XP_033760681.1 57.8 313
 106 3 28 315 106 417 2.80E-96 360.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001748 6565 158.3 UdeM00000001748 XP_022328252.1 44.3 210
 99 5 1 192 1106 1315 9.80E-36 158.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001749 6565 325.1 UdeM00000001749 XP_022328252.1 49.6 351
 158 6 1 333 966 1315 1.00E-85 325.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001750 29159 945.3 UdeM00000001750 XP_034327974.1 44.2 1137
 584 12 9 1120 419 1529 8.50E-272 945.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001751 6596 800.8 UdeM00000001751 XP_045199390.1 67.9 546
 162 4 295 829 1127 1670 1.60E-228 800.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001752 1735272 141.4 UdeM00000001752 XP_041369187.1 46
 137 74 0 1 137 1 137 9.10E-31 141.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000001753 29159 205.3 UdeM00000001753 XP_011437085.1 52.5 179
 84 1 9 187 6 183 7.00E-50 205.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001754 6565 187.6 UdeM00000001754 XP_022314845.1 48.7 189
 94 1 1 189 1 186 1.50E-44 187.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001755 6565 106.7 UdeM00000001755 XP_022322655.1 44.6 112
 62 0 66 177 334 445 3.90E-20 106.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001756 29159 370.2 UdeM00000001756 XP_034299474.1 45.7 433
 223 6 1 427 329 755 3.60E-99 370.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001757 29159 212.2 UdeM00000001757 XP_034339165.1 36.6 350
 192 9 1 347 186 508 1.00E-51 212.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001758 29159 260.4 UdeM00000001758 XP_034339165.1 36.7 417
 230 11 6 418 122 508 4.00E-66 260.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001759 29159 204.5 UdeM00000001759 XP_011437085.1 50 192
 88 2 1 192 1 184 1.20E-49 204.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001760 6579 107.1 UdeM00000001760 XP_033739131.1 50 94
 47 0 1 94 1081 1174 1.40E-20 107.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001761 6596 1643.6 UdeM00000001761 XP_045199760.1 51.1
 1808 849 18 68 1850 151 1947 0.00E+00 1643.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001762 6596 1682.9 UdeM00000001762 XP_045199760.1 51.3
 1818 848 16 65 1856 148 1953 0.00E+00 1682.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001763 6565 347.4 UdeM00000001763 XP_022329667.1 54.9 317
 132 3 6 315 3 315 1.90E-92 347.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001764 6596 161.4 UdeM00000001764 XP_045199768.1 70.4 108
 32 0 10 117 8 115 7.40E-37 161.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001765 1735272 99 UdeM00000001765 XP_041366048.1 47.1
 102 51 1 6 104 7 108 5.10E-18 99 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000001766 37621 77 UdeM00000001766 XP_014670827.1 43.6 101
 53 2 5 104 118 215 1.70E-11 77 37621 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapul-
 idae; Priapulus; Priapulus caudatus

UdeM00000001767 37621 118.6 UdeM00000001767 XP_014679474.1 51.9 104
 48 1 1 102 1 104 4.90E-24 118.6 37621 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapul-
 idae; Priapulus; Priapulus caudatus

UdeM00000001768 6596 360.1 UdeM00000001768 XP_045199768.1 50.1 387
 184 3 5 385 117 500 3.80E-96 360.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000001769 6596 336.7 UdeM00000001769 XP_045199768.1 49.1 375
 182 3 1 369 129 500 4.30E-89 336.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000001770 6579 261.5 UdeM00000001770 XP_033760425.1 60.4 202
 71 3 1 200 1 195 8.70E-67 261.5 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001771 6596 1077.8 UdeM00000001771 XP_045199760.1 39.6
 1918 917 30 217 2053 156 1912 0.00E+00 1077.8 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000001772 6579 255 UdeM00000001772 XP_033760071.1 33.5 466
 287 9 347 796 81 539 3.20E-64 255 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001773 6596 756.5 UdeM00000001773 XP_045199760.1 39.4 1390
 621 27 1 1325 679 1912 5.60E-215 756.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000001774 6579 255 UdeM00000001774 XP_033760071.1 33.5 466
 287 9 347 796 81 539 3.20E-64 255 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000001775 6596 678.3 UdeM00000001775 XP_045199760.1 38.7 1309
 582 27 7 1250 760 1912 1.80E-191 678.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001776 6596 1067.4 UdeM00000001776 XP_045199760.1 38.2
1921 937 33 348 2182 156 1912 2.50E-308 1067.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001777 6573 515.4 UdeM00000001777 XP_021355106.1 75 328
81 1 11 337 10 337 5.60E-143 515.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001778 6596 648.3 UdeM00000001778 XP_045202523.1 51.2 717
280 8 1 651 1 713 1.10E-182 648.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001779 6596 199.9 UdeM00000001779 XP_045202522.1 71.7 138
39 0 86 223 1 138 3.60E-48 199.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001781 6596 380.6 UdeM00000001781 XP_045202523.1 39.7 638
249 12 1 537 135 737 4.00E-102 380.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001782 6596 507.7 UdeM00000001782 XP_045202523.1 76.6 320
75 0 1 320 1 320 1.10E-140 507.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001783 6579 76.3 UdeM00000001783 XP_033760946.1 71.2 52
15 0 1 52 333 384 1.70E-11 76.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001784 6579 179.9 UdeM00000001784 XP_033759613.1 43.4 256
119 7 2 255 950 1181 5.70E-42 179.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001785 6596 757.7 UdeM00000001785 XP_045202523.1 64.4 606
204 3 1 596 1 604 1.40E-215 757.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001786 6596 748.4 UdeM00000001786 XP_045202523.1 57.8 685
 263 7 1 668 1 676 8.60E-213 748.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001787 6596 270 UdeM00000001787 XP_045200205.1 44.6 332
 176 2 2 329 10 337 3.90E-69 270 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001788 6500 79 UdeM00000001788 XP_005108196.2 79.6 49
 10 0 50 98 6 54 3.90E-12 79 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000001789 46514 141 UdeM00000001789 XP_038062328.1 34.3 242
 157 1 9 248 135 376 2.10E-30 141 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvataceae;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000001790 6596 207.2 UdeM00000001790 XP_045200199.1 82.5 114
 20 0 22 135 69 182 1.50E-50 207.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001791 29159 184.5 UdeM00000001791 XP_011436051.2 77.1 105
 24 0 8 112 166 270 7.90E-44 184.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000001792 6596 73.6 UdeM00000001792 XP_045200204.1 49.3 75
 36 1 1 75 290 362 3.50E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001793 6596 1407.5 UdeM00000001793 XP_045199760.1 46.1
 1779 911 20 163 1920 159 1911 0.00E+00 1407.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001794 6596 305.4 UdeM00000001794 XP_045193140.1 28.5 702
 432 12 1 639 1 695 1.80E-79 305.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001795 2607531 181.4 UdeM00000001795 XP_029634173.1 70.1
 134 39 1 1 133 26 159 7.50E-43 181.4 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000001796 2607531 174.1 UdeM00000001796 XP_029634172.1 70.9
 127 36 1 1 126 26 152 1.20E-40 174.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000001797 6596 120.6 UdeM00000001797 XP_045180427.1 46.9 177
 91 2 12 186 98 273 2.40E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001798 6579 695.3 UdeM00000001798 XP_033760041.1 74.5 471
 115 3 1 466 1 471 5.40E-197 695.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001800 6596 79.7 UdeM00000001800 XP_045210570.1 29.7 155
 108 1 14 168 9 162 1.00E-11 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001804 6573 327.8 UdeM00000001804 XP_021349077.1 39.1 488
 293 2 14 499 254 739 2.40E-86 327.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001805 6526 347.1 UdeM00000001805 XP_013077256.1 34.3 702
 427 8 3 679 24 716 5.30E-92 347.1 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000001806 6596 332.8 UdeM00000001806 XP_045199403.1 34.8 635
 326 13 1 635 66 612 9.70E-88 332.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001807 6596 1059.7 UdeM00000001807 XP_045201728.1 52
 999 433 7 45 998 8 1004 2.60E-306 1059.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001808 6573 1502.6 UdeM00000001808 XP_021355114.1 54
 1463 649 12 1 1449 1 1453 0.00E+00 1502.6 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001809 6573 1132.5 UdeM00000001809 XP_021355114.1 55.6
 1058 447 9 1 1047 408 1453 0.00E+00 1132.5 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001810 46514 96.7 UdeM00000001810 XP_038070373.1 43.2 95
 54 0 6 100 4 98 2.10E-17 96.7 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000001811 6596 904 UdeM00000001811 XP_045202519.1 64 724
 253 2 36 757 766 1483 1.20E-259 904 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001812 6596 636.7 UdeM00000001812 XP_045202519.1 53.2 635
 277 3 13 647 100 714 3.20E-179 636.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001813 6565 182.2 UdeM00000001813 XP_022286882.1 47.3 205
 104 2 46 250 24 224 8.30E-43 182.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001814 6596 385.6 UdeM00000001814 XP_045200979.1 94.9 195
 10 0 5 199 1 195 3.90E-104 385.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001815 8177 138.7 UdeM00000001815 XP_036965561.1 42.9 175
 93 2 1 174 1 169 7.30E-30 138.7 8177 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Spariformes;Sparidae
 ;Acanthopagrus;Acanthopagrus latus
 UdeM00000001816 6596 263.8 UdeM00000001816 XP_045215232.1 46 322
 120 4 80 348 151 471 3.30E-67 263.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000001817 6596 545.8 UdeM00000001817 XP_045211214.1 40.1 738
 418 10 6 724 5 737 8.30E-152 545.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000025363 29159 121.7 UdeM000000025363 XP_011429041.1 76.5 81
 19 0 85 165 94 174 1.00E-24 121.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM000000025364 225164 203 UdeM000000025364 XP_009058199.1 46.1
 232 108 3 1 232 1 215 4.80E-49 203 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM000000025365 6596 633.6 UdeM000000025365 XP_045215001.1 64.8 466
 163 1 1 466 1 465 1.90E-178 633.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000025367 6596 406.8 UdeM000000025367 XP_045211715.1 45.4 432
 232 3 18 445 19 450 3.70E-110 406.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000025368 37621 154.1 UdeM000000025368 XP_014672562.1 76.5 85
 20 0 40 124 7 91 1.20E-34 154.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM000000025369 6596 204.1 UdeM000000025369 XP_045210864.1 45.6 259
 124 6 40 287 38 290 2.30E-49 204.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000025370 6596 413.7 UdeM000000025370 XP_045213313.1 60.7 313
 122 1 5 317 13 324 2.10E-112 413.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000025371 6596 714.1 UdeM000000025371 XP_045215018.1 59.6 562
 221 2 39 595 1 561 1.50E-202 714.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000025373 6579 335.5 UdeM000000025373 XP_033745921.1 69.5 236
 72 0 4 239 546 781 8.60E-89 335.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025374 6596 143.3 UdeM00000025374 XP_045212553.1 34.8 270
156 7 58 324 230 482 5.50E-31 143.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025375 6596 264.6 UdeM00000025375 XP_045212551.1 38.6 414
231 8 74 487 65 455 2.50E-67 264.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025376 7739 377.5 UdeM00000025376 XP_035696678.1 36.7 592
207 3 69 492 312 903 2.80E-101 377.5 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000025378 6596 642.5 UdeM00000025378 XP_045211676.1 64 461
158 3 11 466 17 474 4.60E-181 642.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025379 2607531 460.7 UdeM00000025379 XP_029652564.1 73.8
267 70 0 1 267 1 267 1.30E-126 460.7 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000025380 6579 382.9 UdeM00000025380 XP_033750669.1 53.9 540
213 17 1 511 1 533 6.80E-103 382.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025381 6596 117.1 UdeM00000025381 XP_045213897.1 73.5 83
14 3 1 76 1 82 2.10E-23 117.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025384 1735272 179.9 UdeM00000025384 XP_041362922.1 52.7
165 77 1 11 175 11 174 2.90E-42 179.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025385 6573 134 UdeM00000025385 XP_021355725.1 35 214
135 4 12 224 28 238 2.30E-28 134 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025386 1203425 233 UdeM00000025386 XP_034534149.1 40.7
334 189 8 504 828 57 390 1.40E-57 233 1203425
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae
;Notolabrus;Notolabrus celidotus

UdeM00000025388 6596 109 UdeM00000025388 XP_045215936.1 27.8 284
131 6 4 222 7 281 9.70E-21 109 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000025390 1203425 320.9 UdeM00000025390 XP_034551786.1 41.7
432 242 7 1 424 119 548 2.50E-84 320.9 1203425
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae
;Notolabrus;Notolabrus celidotus

UdeM00000025392 46731 122.9 UdeM00000025392 XP_027049317.1 39.7 189
94 4 6 187 288 463 6.80E-25 122.9 46731 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
a damicornis

UdeM00000025391 1203425 316.6 UdeM00000025391 XP_034551786.1 41.1
426 241 7 599 1014 123 548 1.10E-82 316.6 1203425
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae
;Notolabrus;Notolabrus celidotus

UdeM00000025393 1203425 319.7 UdeM00000025393 XP_034551786.1 41.3
429 242 7 6 424 120 548 5.60E-84 319.7 1203425
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae
;Notolabrus;Notolabrus celidotus

UdeM00000025394 43689 290.4 UdeM00000025394 XP_039906508.1 38.9 427
251 7 613 1031 27 451 8.90E-75 290.4 43689 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl

iformes;Cichlidae;African
cichlids;Pseudocrenilabrinae;Tropheini;Simochromis;Simochromis diagramma
UdeM00000025395 6596 1719.9 UdeM00000025395 XP_045211956.1 55.8
1790 713 17 179 1894 5 1789 0.00E+00 1719.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025401 6573 92.4 UdeM00000025401 XP_021365625.1 56.9 72
31 0 7 78 34 105 6.30E-16 92.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000025402 9031 80.1 UdeM00000025402 XP_025006031.2 31.9 182
104 8 30 201 1024 1195 7.70E-12 80.1 9031 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
ognathae;Galloanserae;Galliformes;Phasianidae;Phasianinae;Gallus;Gallus
gallus
UdeM00000025403 1735272 82.4 UdeM00000025403 XP_041377589.1 50.5
91 38 5 69 154 496 584 1.80E-12 82.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025404 6565 64.7 UdeM00000025404 XP_022299727.1 45.2 73
40 0 1 73 261 333 1.20E-07 64.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025405 680683 80.9 UdeM00000025405 XP_013188912.1 43
93 48 2 31 123 1146 1233 3.60E-12 80.9 680683
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Pyraloidea;P
yralidae;Phycitinae;Amyelois;Amyelois transitella
UdeM00000025406 400727 74.7 UdeM00000025406 XP_025087246.1 43.4
76 41 1 32 105 140 215 8.00E-11 74.7 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000025407 6565 86.7 UdeM00000025407 XP_022312573.1 31.8 258
110 8 1092 1342 1169 1367 2.50E-13 86.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025407 6565 59.7 UdeM00000025407 XP_022312573.1 59.6 52
21 0 756 807 862 913 3.30E-05 59.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025407 6565 28.5 UdeM00000025407 XP_022312573.1 23.9 402
259 16 306 687 303 677 8.20E+04 28.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025408 6596 207.6 UdeM00000025408 XP_045212854.1 63.7 168
58 1 1 165 1 168 2.80E-50 207.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025410 6596 253.1 UdeM00000025410 XP_045210582.1 42.3 324
156 7 314 631 133 431 9.70E-64 253.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025411 6596 253.8 UdeM00000025411 XP_045210582.1 41.8 335
164 8 345 671 129 440 6.00E-64 253.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025412 6596 167.9 UdeM00000025412 XP_045210582.1 33 349
170 8 56 399 142 431 2.60E-38 167.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025413 6596 167.9 UdeM00000025413 XP_045210582.1 33 349
170 8 49 392 142 431 2.50E-38 167.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025414 6596 233.8 UdeM00000025414 XP_045210582.1 42.1 328
162 8 243 566 130 433 5.60E-58 233.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025415 6596 224.9 UdeM00000025415 XP_045210582.1 40.6 335
161 9 371 692 118 427 3.10E-55 224.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025416 6596 233.4 UdeM00000025416 XP_045210582.1 40.5 328
167 6 235 558 130 433 7.20E-58 233.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025417 6596 241.9 UdeM00000025417 XP_045210582.1 41 322
 162 5 360 672 131 433 2.40E-60 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025419 400727 891 UdeM00000025419 XP_025115871.1 37.7
 1336 656 30 12 1221 679 1964 1.80E-255 891 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000025420 1735272 58.9 UdeM00000025420 XP_041350990.1 43.5
 62 35 0 61 122 461 522 5.20E-06 58.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000025421 6565 789.3 UdeM00000025421 XP_022316064.1 39.3 1073
 535 21 9 1056 11 992 6.20E-225 789.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025422 6565 756.1 UdeM00000025422 XP_022315760.1 87.4 435
 46 5 1 435 1 426 2.40E-215 756.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025423 6579 95.1 UdeM00000025423 XP_033754223.1 67.9 78
 15 1 2 79 351 418 4.20E-17 95.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025424 6573 666 UdeM00000025424 XP_021350025.1 73.6 447
 106 4 1 442 1 440 3.30E-188 666 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025425 6573 676.8 UdeM00000025425 XP_021350024.1 67.5 523
 133 9 1 507 1 502 2.20E-191 676.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025428 6565 62.4 UdeM00000025428 XP_022299403.1 29.7 192
 124 6 1 184 1 189 1.00E-06 62.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025429 6565 60.1 UdeM00000025429 XP_022299403.1 28.9 197
 124 6 1 189 1 189 5.30E-06 60.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025430 6596 228.8 UdeM00000025430 XP_045213336.1 56.2 203
87 1 11 213 177 377 7.60E-57 228.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025431 6596 100.5 UdeM00000025431 XP_045213334.1 34.9 152
92 1 7 158 110 254 2.30E-18 100.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025432 6596 231.5 UdeM00000025432 XP_045213336.1 56.7 203
86 1 11 213 177 377 1.10E-57 231.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025433 6596 95.9 UdeM00000025433 XP_045211315.1 51.8 85
40 1 27 111 151 234 5.20E-17 95.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025434 6565 111.3 UdeM00000025434 XP_022328090.1 61.2 85
29 2 293 376 68 149 2.70E-21 111.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025435 6565 355.9 UdeM00000025435 XP_022312968.1 77 204
47 0 1 204 1 204 3.40E-95 355.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025436 29159 416.8 UdeM00000025436 XP_011443000.2 68.8 266
80 1 3 268 8 270 2.10E-113 416.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025438 6596 111.3 UdeM00000025438 XP_045211366.1 51 96
44 2 89 183 86 179 1.30E-21 111.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025439 6596 607.8 UdeM00000025439 XP_045213673.1 42.2 1353
586 37 184 1443 329 1578 3.50E-170 607.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000025440 6596 108.2 UdeM00000025440 XP_045213672.1 75 64
 16 0 1644 1707 101 164 1.10E-19 108.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025440 6596 99.4 UdeM00000025440 XP_045213672.1 56.6 83
 34 1 147 229 20 100 4.90E-17 99.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025441 29159 177.6 UdeM00000025441 XP_034315059.1 75.5 110
 27 0 1 110 7 116 9.70E-42 177.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025442 6596 114.4 UdeM00000025442 XP_045180427.1 39 177
 105 2 69 243 98 273 2.20E-22 114.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025443 6596 685.3 UdeM00000025443 XP_045213681.1 79.4 412
 85 0 2 413 174 585 5.00E-194 685.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025444 6596 598.2 UdeM00000025444 XP_045213666.1 77.8 747
 147 8 60 798 1 736 1.50E-167 598.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025445 6596 411.4 UdeM00000025445 XP_045213633.1 67 297
 93 3 1 297 1 292 9.90E-112 411.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025446 6573 760.8 UdeM00000025446 XP_021364536.1 81.4 436
 81 0 1 436 1 436 1.10E-216 760.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025447 6573 769.2 UdeM00000025447 XP_021364536.1 82.1 436
 78 0 1 436 1 436 3.20E-219 769.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025448 6573 767.7 UdeM00000025448 XP_021364536.1 82.6 432
 75 0 1 432 1 432 9.40E-219 767.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000025450 6579 201.8 UdeM00000025450 XP_033734079.1 40.7 295
166 4 1 286 40 334 1.10E-48 201.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000025449 6579 220.3 UdeM00000025449 XP_033734079.1 41.2 325
181 5 11 326 11 334 3.60E-54 220.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000025451 6596 181.4 UdeM00000025451 XP_045212635.1 43 249
114 7 4 237 8 243 1.30E-42 181.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000025452 37653 211.8 UdeM00000025452 XP_014788569.1 29.5 623
345 20 276 854 173 745 3.40E-51 211.8 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000025454 6565 79.7 UdeM00000025454 XP_022312668.1 46.8 77
41 0 7 83 54 130 2.20E-12 79.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000025453 6565 111.7 UdeM00000025453 XP_022312668.1 47.6 105
54 1 28 132 27 130 8.00E-22 111.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000025455 6596 382.5 UdeM00000025455 XP_045213555.1 38 706
370 19 20 700 6 668 1.20E-102 382.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000025457 6579 152.9 UdeM00000025457 XP_033733670.1 27.3 447
274 12 23 426 11 449 1.60E-33 152.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000025458 225164 144.8 UdeM00000025458 XP_009062106.1 25.7
455 268 10 10 445 30 433 3.40E-31 144.8 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidae; Lottiidae; Lottia; Lottia gigantea
UdeM00000025459 6579 151 UdeM00000025459 XP_033733670.1 27.1 424
239 10 10 370 11 427 1.00E-32 151 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000025460 225164 145.6 UdeM00000025460 XP_009062106.1 28.4
444 244 12 11 419 30 434 2.10E-31 145.6 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000025461 225164 145.6 UdeM00000025461 XP_009062106.1 28.4
444 244 12 11 419 30 434 2.30E-31 145.6 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000025462 6565 157.9 UdeM00000025462 XP_022317683.1 28.4 455
260 14 7 423 5 431 4.10E-35 157.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000025463 6565 157.9 UdeM00000025463 XP_022317683.1 28.4 455
260 14 7 423 5 431 4.10E-35 157.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000025464 29159 111.7 UdeM00000025464 XP_011419243.2 28 314
209 7 53 358 78 382 2.50E-21 111.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000025465 29159 111.7 UdeM00000025465 XP_011419243.2 28 314
209 7 53 358 78 382 2.50E-21 111.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000025466 29159 106.3 UdeM00000025466 XP_011419243.2 31.3 246
155 4 128 365 154 393 9.90E-20 106.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000025467 29159 118.6 UdeM00000025467 XP_011419243.2 29.1 299
203 5 53 347 78 371 2.00E-23 118.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000025468 1735272 116.3 UdeM00000025468 XP_041379324.1 26.3
430 269 14 9 421 25 423 1.10E-22 116.3 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000025469 29159 104 UdeM00000025469 XP_011419263.2 24.2 429
296 12 6 424 24 433 5.40E-19 104 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025470 29159 112.8 UdeM00000025470 XP_011419243.2 27.7 303
206 7 53 351 78 371 1.20E-21 112.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025471 125878 100.9 UdeM00000025471 XP_018419965.1 35.4
206 120 5 154 351 175 375 3.90E-18 100.9 125878
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
achia;Ranoidea;Dicroglossidae;Dicroglossinae;Nanorana;Nanorana parkeri
UdeM00000025472 125878 101.7 UdeM00000025472 XP_018419965.1 35.4
206 120 5 154 351 175 375 2.00E-18 101.7 125878
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
achia;Ranoidea;Dicroglossidae;Dicroglossinae;Nanorana;Nanorana parkeri
UdeM00000025473 29159 117.5 UdeM00000025473 XP_011419299.2 25.5 478
314 13 10 470 13 465 4.80E-23 117.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025474 29159 129.4 UdeM00000025474 XP_011419299.2 27.5 353
245 7 10 354 13 362 1.20E-26 129.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025476 29159 127.9 UdeM00000025476 XP_011419309.2 29.2 318
210 6 54 364 50 359 3.30E-26 127.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025477 29159 125.9 UdeM00000025477 XP_011419309.2 28.3 350
233 7 54 393 50 391 1.30E-25 125.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025478 6565 365.2 UdeM00000025478 XP_022314681.1 64.2 293
93 3 9 300 10 291 8.20E-98 365.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025479 6565 375.6 UdeM00000025479 XP_022314680.1 68.3 281
81 3 22 297 19 296 6.00E-101 375.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025480 6596 501.1 UdeM00000025480 XP_045213790.1 69.6 326
99 0 1 326 2 327 1.10E-138 501.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025481 6596 156.4 UdeM00000025481 XP_045210603.1 31.1 605
336 22 98 676 141 690 1.30E-34 156.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025482 6596 729.2 UdeM00000025482 XP_045212185.1 70.4 766
214 6 1 764 4 758 6.10E-207 729.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025483 6579 584.7 UdeM00000025483 XP_033737612.1 66 424
138 4 74 495 41 460 1.20E-163 584.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025484 6573 71.2 UdeM00000025484 XP_021353848.1 28.1 342
185 13 218 518 232 553 4.40E-09 71.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025485 29159 193.7 UdeM00000025485 XP_011432333.1 75 116
29 0 13 128 448 563 1.40E-46 193.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025486 1735272 266.5 UdeM00000025486 XP_041371895.1 67.8
180 58 0 29 208 37 216 4.50E-68 266.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025487 6579 475.3 UdeM00000025487 XP_033737541.1 74.7 297
75 0 10 306 2 298 5.80E-131 475.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025488 29159 290.8 UdeM00000025488 XP_011444755.2 48.8 297
147 1 12 308 15 306 2.00E-75 290.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025489 29159 96.7 UdeM00000025489 XP_034312519.1 71 69
20 0 312 380 243 311 6.90E-17 96.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025490 6579 429.9 UdeM00000025490 XP_033736514.1 37.7 887
123 6 1 882 1 462 1.10E-116 429.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000025491 6596 237.3 UdeM00000025491 XP_045180304.1 26.2 782
448 29 10 734 9 718 6.90E-59 237.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000044108 6945 85.1 UdeM00000044108 XP_040065097.1 29.1 196
107 5 59 225 85 277 1.70E-13 85.1 6945 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
UdeM00000044110 34773 82 UdeM00000044110 XP_041958816.1 45.1 82
44 1 133 213 234 315 1.20E-12 82 34773 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;Alosa sapidissima
UdeM00000041612 29159 107.1 UdeM00000041612 XP_034315809.1 48.1 108
55 1 18 124 62 169 1.70E-20 107.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041613 6596 297 UdeM00000041613 XP_045201869.1 30.2 705
455 13 12 702 11 692 6.60E-77 297 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041615 29159 175.6 UdeM00000041615 XP_034314481.1 49.5 184
92 1 169 352 224 406 1.40E-40 175.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041616 6579 84 UdeM00000041616 XP_033726550.1 85.7 49
7 0 168 216 100 148 2.70E-13 84 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000041617 29159 269.2 UdeM00000041617 XP_011429125.2 56 277
120 2 14 290 148 422 6.00E-69 269.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041618 6596 318.2 UdeM00000041618 XP_045180259.1 60.5 311
117 4 18 324 38 346 1.30E-83 318.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041619 400727 96.7 UdeM00000041619 XP_025089494.1 49.4
83 42 0 4 86 406 488 1.60E-17 96.7 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000041620 6596 93.6 UdeM00000041620 XP_045166808.1 33 230
125 14 110 319 78 298 6.10E-16 93.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041622 6596 97.4 UdeM00000041622 XP_045171877.1 33.8 219
120 9 64 263 26 238 5.80E-17 97.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041623 6596 69.7 UdeM00000041623 XP_045171769.1 24.2 393
211 13 43 362 151 529 9.10E-09 69.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041624 10224 224.2 UdeM00000041624 XP_006813844.1 46 235
127 0 1 235 128 362 1.80E-55 224.2 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii
UdeM00000041625 6596 290.4 UdeM00000041625 XP_045182881.1 63.6 261
81 7 79 333 1701 1953 2.90E-75 290.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041626 6596 274.6 UdeM00000041626 XP_045182879.1 65.8 219
68 4 99 317 1756 1967 1.60E-70 274.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041628 225164 100.9 UdeM00000041628 XP_009063967.1 45
120 59 2 32 144 89 208 1.50E-18 100.9 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;
Lottiidae;Lottia;Lottia gigantea
UdeM00000041629 6596 204.1 UdeM00000041629 XP_045160375.1 57.7 149
63 0 11 159 438 586 1.30E-49 204.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041630 6596 343.6 UdeM00000041630 XP_045160375.1 50.9 350
117 5 1 298 1 347 2.60E-91 343.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041631 6596 289.7 UdeM00000041631 XP_045182881.1 63.2 261
82 7 910 1164 1701 1953 1.70E-74 289.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041632 6596 275.8 UdeM00000041632 XP_045182879.1 65.8 219
68 4 435 653 1756 1967 1.40E-70 275.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017187 6596 284.3 UdeM00000017187 XP_045171119.1 83 171
29 0 6 176 351 521 1.10E-73 284.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017188 6579 125.9 UdeM00000017188 XP_033736239.1 34.4 189
78 2 1 145 69 255 4.10E-26 125.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017189 6565 134 UdeM00000017189 XP_022299727.1 50 134
66 1 29 162 145 277 1.90E-28 134 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017190 6579 387.1 UdeM00000017190 XP_033736239.1 59 295
118 2 1 295 1 292 2.00E-104 387.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017191 6573 391.3 UdeM00000017191 XP_021343061.1 58.6 295
120 2 1 295 1 293 1.10E-105 391.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017192 6579 69.3 UdeM00000017192 XP_033744326.1 40.2 102
59 1 4 103 8 109 3.30E-09 69.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017194 6579 97.4 UdeM00000017194 XP_033730215.1 39.9 138
79 2 4 137 325 462 1.50E-17 97.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017193 6579 70.5 UdeM00000017193 XP_033745803.1 45.9 85
43 1 4 85 325 409 1.40E-09 70.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017195 6579 433.3 UdeM00000017195 XP_033730233.1 57.7 376
152 2 1 369 133 508 3.00E-118 433.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017196 6579 146.7 UdeM00000017196 XP_033745805.1 56.9 137
52 4 1 133 1 134 2.10E-32 146.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017197 6573 379.8 UdeM00000017197 XP_021343061.1 56.6 295
126 2 1 295 1 293 3.20E-102 379.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017198 2607531 192.2 UdeM00000017198 XP_029651222.1 73.5
181 39 2 240 420 294 465 1.60E-45 192.2 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000017199 2607531 192.2 UdeM00000017199 XP_029651222.1 73.5
181 39 2 241 421 294 465 1.60E-45 192.2 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000017200 2607531 192.2 UdeM00000017200 XP_029651222.1 73.5
181 39 2 241 421 294 465 1.60E-45 192.2 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000017202 6596 381.7 UdeM00000017202 XP_045166550.1 59 317
129 1 1 317 200 515 9.00E-103 381.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000017201 6596 632.1 UdeM00000017201 XP_045166550.1 59.9 509
202 2 28 535 8 515 6.40E-178 632.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000017203 6596 599 UdeM00000017203 XP_045166550.1 61.4 472
180 2 24 494 43 513 5.60E-168 599 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017204 6596 628.6 UdeM00000017204 XP_045166550.1 59.1 508
 206 2 48 554 7 513 7.40E-177 628.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017205 6579 268.5 UdeM00000017205 XP_033746014.1 54.3 230
 105 0 33 262 280 509 9.20E-69 268.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017206 225164 127.1 UdeM00000017206 XP_009048985.1 73.6
 72 19 0 1 72 195 266 9.10E-27 127.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000017207 7574 188.7 UdeM00000017207 XP_013395128.1 61.6 138
 53 0 6 143 16 153 5.90E-45 188.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000017208 1735272 375.9 UdeM00000017208 XP_041349794.1 66.4
 268 89 1 19 285 74 341 4.60E-101 375.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017209 6573 625.9 UdeM00000017209 XP_021346284.1 59.2 502
 201 1 6 507 11 508 4.40E-176 625.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017210 6596 3380.5 UdeM00000017210 XP_045172704.1 64.4
 2680 896 6 1 2627 1 2676 0.00E+00 3380.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017212 6565 754.6 UdeM00000017212 XP_022341054.1 77.8 491
 89 4 1 473 1 489 7.60E-215 754.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017211 6565 751.5 UdeM00000017211 XP_022341054.1 80.3 468
 85 3 1 463 1 466 6.40E-214 751.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017213 6573 250 UdeM00000017213 XP_021340605.1 52.9 240
 94 3 1 227 1 234 2.90E-63 250 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000017214 6579 391.3 UdeM00000017214 XP_033733772.1 43 465
241 10 3 463 75 519 2.30E-105 391.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000017215 6573 382.5 UdeM00000017215 XP_021377641.1 60.1 308
120 2 13 317 2 309 5.50E-103 382.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000017216 6596 532.7 UdeM00000017216 XP_045174144.1 56.9 448
187 3 14 458 42 486 4.60E-148 532.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000017217 6596 521.2 UdeM00000017217 XP_045204271.1 44.5 582
312 7 9 584 4 580 1.70E-144 521.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000017218 6596 525 UdeM00000017218 XP_045204271.1 44.7 582
311 7 9 584 4 580 1.20E-145 525 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000017219 6596 547.4 UdeM00000017219 XP_045204274.1 48.9 583
283 6 25 599 4 579 2.30E-152 547.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000017220 6596 534.6 UdeM00000017220 XP_045204674.1 47.1 577
297 5 28 602 6 576 1.60E-148 534.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000017221 6596 394.8 UdeM00000017221 XP_045204674.1 46.5 477
247 5 1 475 106 576 1.50E-106 394.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000017222 6596 515 UdeM00000017222 XP_045204674.1 45.8 577
305 5 7 581 6 576 1.20E-142 515 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000017223 37653 148.3 UdeM00000017223 XP_014779622.1 36.6 593
 330 13 19 580 43 620 3.30E-32 148.3 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000017224 10224 183.3 UdeM00000017224 XP_002742221.1 40.7 246
 133 6 354 590 1212 1453 1.00E-42 183.3 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000017226 6596 571.6 UdeM00000017226 XP_045173606.1 48.8 601
 270 9 110 679 50 643 1.30E-159 571.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017227 6596 808.9 UdeM00000017227 XP_045171991.1 62.4 614
 230 1 9 621 12 625 4.50E-231 808.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017228 6596 699.5 UdeM00000017228 XP_045171991.1 53.8 623
 282 3 2 620 6 626 3.80E-198 699.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017229 6596 684.9 UdeM00000017229 XP_045171991.1 53.7 622
 284 3 2 621 6 625 9.70E-194 684.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017230 6596 611.3 UdeM00000017230 XP_045171734.1 61 474
 185 0 22 495 22 495 1.10E-171 611.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017231 6596 63.9 UdeM00000017231 XP_045156554.1 31.7 139
 86 4 1 136 563 695 2.90E-07 63.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017232 6565 115.5 UdeM00000017232 XP_022297037.1 40.1 167
 93 3 6 167 11 175 7.00E-23 115.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017233 6596 197.6 UdeM00000017233 XP_045172643.1 66.2 145
 49 0 4 148 5 149 1.20E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017234 400727 108.6 UdeM00000017234 XP_025089927.1 65.9
85 28 1 119 202 69 153 9.80E-21 108.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000017235 400727 105.9 UdeM00000017235 XP_025089927.1 53.8
104 30 1 10 95 50 153 3.10E-20 105.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000017237 400727 523.1 UdeM00000017237 XP_025090516.1 53.7
529 237 3 64 584 163 691 4.90E-145 523.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000017238 6596 303.5 UdeM00000017238 XP_045170685.1 35.8 1513
600 39 19 1340 202 1534 1.30E-78 303.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017239 6596 318.9 UdeM00000017239 XP_045170685.1 79.1 196
40 1 10 204 9 204 4.70E-84 318.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017240 6573 102.8 UdeM00000017240 XP_021371841.1 31.6 275
168 10 62 327 402 665 8.40E-19 102.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017241 6596 76.6 UdeM00000017241 XP_045162054.1 25.2 206
139 5 2 198 352 551 4.00E-11 76.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017242 6565 194.5 UdeM00000017242 XP_022336632.1 22.5 640
401 13 16 576 47 670 3.80E-46 194.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017244 1735272 474.6 UdeM00000017244 XP_041362472.1 34.4
851 498 15 368 1170 3 841 3.80E-130 474.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000017245 6596 601.3 UdeM00000017245 XP_045173108.1 77.5 377
 85 0 1 377 121 497 8.80E-169 601.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000017246 6573 956.4 UdeM00000017246 XP_021352248.1 68.1 739
 217 5 1 736 1 723 2.00E-275 956.4 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000017248 6596 191.4 UdeM00000017248 XP_045172301.1 24.8 786
 477 27 11 770 406 1103 4.50E-45 191.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000017249 7446 128.6 UdeM00000017249 XP_035725556.1 20.9 726
 450 17 30 686 20 690 4.00E-26 128.6 7446 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse-
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Acul-
 eata; Vespoidea; Vespidae; Vespinae; Vespa; Vespa mandarinia

UdeM00000017250 7446 128.6 UdeM00000017250 XP_035725556.1 20.9 726
 450 17 30 686 20 690 3.80E-26 128.6 7446 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse-
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Acul-
 eata; Vespoidea; Vespidae; Vespinae; Vespa; Vespa mandarinia

UdeM00000017251 29159 250.4 UdeM00000017251 XP_011449804.1 52.2 245
 116 1 2 246 18 261 2.50E-63 250.4 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000017253 6573 156.8 UdeM00000017253 XP_021367327.1 38 184
 114 0 21 204 30 213 8.30E-35 156.8 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000017254 6596 681.4 UdeM00000017254 XP_045171835.1 46.8 975
 438 29 1 948 1 921 1.70E-192 681.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000017257 10224 68.6 UdeM00000017257 XP_002740205.2 28.1 185
 120 3 52 230 54 231 2.90E-08 68.6 10224 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus
 kowalevskii

UdeM00000017258 1735272 131 UdeM00000017258 XP_041360711.1 35.7
 196 113 3 5 198 6 190 1.90E-27 131 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000017260 6579 462.2 UdeM00000017260 XP_033747531.1 45.3 589
292 6 20 606 27 587 1.00E-126 462.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017261 6596 356.3 UdeM00000017261 XP_045172477.1 56.8 303
125 3 10 309 351 650 3.90E-95 356.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017262 6596 199.9 UdeM00000017262 XP_045172477.1 52.2 178
84 1 6 183 3 179 6.80E-48 199.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017263 6596 216.1 UdeM00000017263 XP_045172478.1 56 318
117 10 1 301 1 312 6.20E-53 216.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017264 6573 183.7 UdeM00000017264 XP_021369849.1 37.6 266
158 3 1 265 1 259 3.00E-43 183.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017265 6596 433.7 UdeM00000017265 XP_045201497.1 62.7 311
116 0 1 311 1 311 2.00E-118 433.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017266 6596 412.5 UdeM00000017266 XP_045201497.1 59.8 311
125 0 1 311 1 311 4.70E-112 412.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017267 6565 284.3 UdeM00000017267 XP_022346037.1 39.3 438
232 8 32 438 78 512 3.50E-73 284.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017268 1735272 306.6 UdeM00000017268 XP_041348984.1 36.5
578 227 9 12 589 92 529 6.80E-80 306.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017269 6596 183.7 UdeM00000017269 XP_045173133.1 80.4 107
 20 1 1 107 32 137 1.20E-43 183.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017270 6573 561.2 UdeM00000017270 XP_021349895.1 72.4 409
 95 8 1 397 126 528 1.00E-156 561.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017273 6579 708 UdeM00000017273 XP_033748315.1 74.2 931
 190 3 1 931 167 1047 1.60E-200 708 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017274 6579 602.8 UdeM00000017274 XP_033748315.1 77.8 397
 88 0 1 397 167 563 5.60E-169 602.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017275 6573 134 UdeM00000017275 XP_021376553.1 45.2 155
 85 0 128 282 242 396 2.90E-28 134 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017276 37653 264.2 UdeM00000017276 XP_014785093.1 79 162
 34 0 6 167 3 164 1.40E-67 264.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000017277 6579 66.6 UdeM00000017277 XP_033748320.1 32.7 211
 125 8 1 200 1 205 5.80E-08 66.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017278 6573 215.7 UdeM00000017278 XP_021349903.1 48.9 313
 129 9 1 301 1 294 1.80E-52 215.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017279 6573 215.7 UdeM00000017279 XP_021349903.1 48.9 313
 129 9 1 301 1 294 8.60E-53 215.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017280 37653 260 UdeM00000017280 XP_014779786.1 45.1 324
 143 6 1 315 1 298 4.10E-66 260 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000017281 400727 463 UdeM00000017281 XP_025091273.1 60.9
 394 135 6 15 401 296 677 4.00E-127 463 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000017282 6573 443.4 UdeM00000017282 XP_021347901.1 61.6 346
 121 3 49 393 53 387 3.40E-121 443.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017283 400727 432.6 UdeM00000017283 XP_025091273.1 67.8
 317 99 2 46 362 30 343 8.10E-118 432.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000017284 400727 381.7 UdeM00000017284 XP_025091273.1 69
 277 83 2 46 322 30 303 9.10E-103 381.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000017285 10224 77.8 UdeM00000017285 XP_006824625.1 33.8 136
 81 3 66 193 60 194 1.70E-11 77.8 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000017286 10224 85.5 UdeM00000017286 XP_002740528.1 37.3 142
 59 4 2 121 106 239 5.60E-14 85.5 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000017287 6579 276.6 UdeM00000017287 XP_033748770.1 28.8 819
 524 10 661 1463 575 1350 1.90E-70 276.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017288 6573 256.9 UdeM00000017288 XP_021373124.1 59.7 186
 75 0 23 208 10 195 2.20E-65 256.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017289 1735272 310.5 UdeM00000017289 XP_041349041.1 73.7
 198 52 0 3 200 2 199 1.60E-81 310.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000017290 6596 263.5 UdeM00000017290 XP_045173680.1 77.4 164
 34 2 1 162 4 166 2.60E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017291 1735272 475.7 UdeM00000017291 XP_041349364.1 66.1
351 116 1 24 374 3 350 5.50E-131 475.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017292 6579 758.4 UdeM00000017292 XP_033747443.1 64.7 533
187 1 26 558 32 563 6.20E-216 758.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017293 29159 219.9 UdeM00000017293 XP_011434938.2 44.9 245
126 5 2 240 42 283 3.70E-54 219.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017294 7574 223.8 UdeM00000017294 XP_013379627.1 45.2 261
139 2 29 285 22 282 2.90E-55 223.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000017295 6596 184.5 UdeM00000017295 XP_045210174.1 35.6 306
177 6 72 369 141 434 2.60E-43 184.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017297 6573 1278.5 UdeM00000017297 XP_021343874.1 40.8
1771 954 33 1 1732 1 1715 0.00E+00 1278.5 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017298 6596 579.3 UdeM00000017298 XP_045171983.1 63.3 412
150 1 1 412 1 411 3.80E-162 579.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017299 6596 633.6 UdeM00000017299 XP_045171552.1 47.4 698
333 13 6 685 5 686 2.80E-178 633.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017300 6596 619.8 UdeM00000017300 XP_045172310.1 54.2 542
246 2 1 541 1 541 3.30E-174 619.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017301 225164 1722.6 UdeM00000017301 XP_009062767.1
 41.2 2677 1395 73 17 2597 142 2734 0.00E+00 1722.6
 225164 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000017302 6596 94.7 UdeM00000017302 XP_045170904.1 27.4 383
 224 15 1 366 15 360 2.60E-16 94.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017303 6565 208 UdeM00000017303 XP_022335916.1 41.7 259
 145 2 1 255 1 257 1.50E-50 208 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017304 6596 1563.1 UdeM00000017304 XP_045171439.1 80.8
 908 172 1 205 1110 227 1134 0.00E+00 1563.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017305 6596 622.9 UdeM00000017305 XP_045173736.1 53.6 616
 263 9 1 605 111 714 4.40E-175 622.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017306 6596 760.8 UdeM00000017306 XP_045173736.1 53.7 726
 311 10 1 713 1 714 1.60E-216 760.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017307 6596 1072.4 UdeM00000017307 XP_045173731.1 63.9
 1059 342 16 1 1027 16 1066 3.5e-310 1072.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017308 6573 394.4 UdeM00000017308 XP_021374762.1 54.5 466
 131 11 1 429 1114 1535 1.80E-106 394.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017309 29159 316.6 UdeM00000017309 XP_034337341.1 67.2 259
 77 3 5 263 421 671 3.00E-83 316.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017310 6596 327 UdeM00000017310 XP_045171759.1 85.9 177
 25 0 1 177 1 177 1.50E-86 327 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017311 6579 471.5 UdeM00000017311 XP_033748272.1 79.4 282
 58 0 1 282 1 282 7.70E-130 471.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017312 6596 370.2 UdeM00000017312 XP_045173401.1 61 593
 209 5 1 591 16 588 5.10E-99 370.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017313 6579 310.5 UdeM00000017313 XP_033737835.1 47.4 342
 166 5 82 416 266 600 3.40E-81 310.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017314 6596 1755.7 UdeM00000017314 XP_045172338.1 87.1
 997 129 0 1 997 1 997 0.00E+00 1755.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017315 6596 873.2 UdeM00000017315 XP_045172326.1 86.1 496
 69 0 1 496 240 735 1.60E-250 873.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017316 6596 329.3 UdeM00000017316 XP_045167414.1 37.6 559
 283 20 13 521 1 543 8.80E-87 329.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017317 7741 146 UdeM00000017317 XP_019636890.1 57 135
 47 5 1 131 148 275 3.90E-32 146 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000017318 108931 201.4 UdeM00000017318 XP_039295486.1 41.7
 271 144 8 50 313 21 284 1.70E-48 201.4 108931
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Auchenorrhyncha;
 Fulgoromorpha;Fulgoroidea;Delphacidae;Delphacinae;Nilaparvata;Nilaparvata
 lugens

UdeM00000017319 6596 285 UdeM00000017319 XP_045167414.1 38.8 485
 228 20 4 434 74 543 1.60E-73 285 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017320 37653 184.5 UdeM00000017320 XP_014780002.1 41.6 267
 140 6 5 270 3 254 1.90E-43 184.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000017321 108931 178.3 UdeM00000017321 XP_039295486.1 41
 249 132 8 1 241 48 289 1.20E-41 178.3 108931
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Auchenorrhyncha;
 Fulgoromorpha;Fulgoroidea;Delphacidae;Delphacinae;Nilaparvata;Nilaparvata
 lugens

UdeM00000017322 42514 136.3 UdeM00000017322 XP_037403362.1 51.1 135
 58 3 9 138 72 203 3.10E-29 136.3 42514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiiformes;Characo
 idei;Serrasalminae;Pygocentrus;Pygocentrus nattereri

UdeM00000044347 6596 63.9 UdeM00000044347 XP_045172167.1 37.8 82
 48 1 142 223 447 525 3.20E-07 63.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038599 6596 226.9 UdeM00000038599 XP_045157939.1 76.9 147
 33 1 13 159 555 700 1.90E-56 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038600 6573 179.1 UdeM00000038600 XP_021359574.1 61.3 142
 55 0 1 142 290 431 4.00E-42 179.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038601 6596 250.4 UdeM00000038601 XP_045157939.1 76.4 165
 38 1 758 922 537 700 9.10E-63 250.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038602 6596 229.2 UdeM00000038602 XP_045157936.1 73.3 150
 37 1 1 150 5 151 4.20E-57 229.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038603 6596 274.2 UdeM00000038603 XP_045157167.1 57.8 270
 95 5 4 264 9 268 4.40E-70 274.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038604 29159 207.6 UdeM00000038604 XP_034313177.1 51.4 183
 89 0 4 186 769 951 1.40E-50 207.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038607 6596 578.2 UdeM00000038607 XP_045207041.1 71.7 396
 104 2 4 391 132 527 1.40E-161 578.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038606 6579 778.5 UdeM00000038606 XP_033738301.1 70.2 561
 132 3 1 526 1 561 8.30E-222 778.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038609 6596 679.1 UdeM00000038609 XP_045159982.1 87 400
 52 0 3 402 2 401 4.10E-192 679.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038610 6596 679.1 UdeM00000038610 XP_045159982.1 87 400
 52 0 3 402 2 401 3.50E-192 679.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038611 6596 269.6 UdeM00000038611 XP_045159983.1 48.8 281
 140 2 1 281 1 277 4.60E-69 269.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038612 50390 181.4 UdeM00000038612 XP_028127913.1 43.5 207
 116 1 1 207 1 206 1.30E-42 181.4 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000038613 400727 296.6 UdeM00000038613 XP_025110266.1 64.5
 251 86 2 1 248 1 251 3.30E-77 296.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000038614 400727 152.9 UdeM00000038614 XP_025080621.1 48
223 86 6 1 211 1 205 7.20E-34 152.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000038615 6596 79.3 UdeM00000038615 XP_045160916.1 56.9 58
25 0 19 76 78 135 2.30E-12 79.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038616 6596 282.3 UdeM00000038616 XP_045162353.1 57.7 248
105 0 1 248 1 248 6.00E-73 282.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043498 29159 223.4 UdeM00000043498 XP_011456886.2 46.9 258
130 5 2 252 318 575 4.10E-55 223.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043499 6596 178.7 UdeM00000043499 XP_045211867.1 37.7 297
153 8 154 440 22 296 1.60E-41 178.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044133 6565 207.2 UdeM00000044133 XP_022335825.1 44.6 240
129 3 20 257 550 787 8.30E-50 207.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000044135 6596 543.1 UdeM00000044135 XP_045190515.1 31.3 1289
675 36 2402 3657 862 1973 2.70E-150 543.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044136 6596 503.4 UdeM00000044136 XP_045188486.1 38 852
490 20 74 900 1712 2550 5.80E-139 503.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044137 6596 124.8 UdeM00000044137 XP_045188553.1 27.7 321
197 9 14 306 762 1075 1.90E-25 124.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044138 6596 463.4 UdeM00000044138 XP_045188486.1 36.6 867
 464 24 770 1605 1712 2523 1.20E-126 463.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044140 6573 194.9 UdeM00000044140 XP_021355423.1 27.8 669
 348 21 122 756 1678 2245 4.00E-46 194.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044142 6596 204.1 UdeM00000044142 XP_045190673.1 43.4 242
 132 3 20 257 589 829 2.80E-49 204.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044143 6596 89.4 UdeM00000044143 XP_045190856.1 29.1 182
 123 3 74 251 690 869 8.10E-15 89.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044144 6579 171.4 UdeM00000044144 XP_033756918.1 45.5 189
 102 1 65 253 200 387 1.90E-39 171.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043317 6596 88.6 UdeM00000043317 XP_045158040.1 47.1 87
 41 1 2 88 1263 1344 4.40E-15 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043319 6596 528.1 UdeM00000043319 XP_045160710.1 44.8 589
 313 7 128 711 723 1304 1.70E-146 528.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043320 6565 425.6 UdeM00000043320 XP_022315266.1 48.5 472
 223 7 1 464 677 1136 7.90E-116 425.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043321 7741 278.9 UdeM00000043321 XP_019626710.1 25.9 683
 450 21 53 732 458 1087 2.30E-71 278.9 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000043322 29159 73.6 UdeM00000043322 XP_034317009.1 43 86
 38 1 78 163 79 153 2.80E-10 73.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043323 6596 89 UdeM00000043323 XP_045158040.1 47.1 87
41 1 23 109 1263 1344 4.20E-15 89 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043324 6596 134 UdeM00000043324 XP_045158017.1 37.6 157
98 0 15 171 1112 1268 1.80E-28 134 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043325 6596 484.2 UdeM00000043325 XP_045158018.1 35.8 866
501 20 177 1018 386 1220 4.20E-133 484.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043326 7741 80.5 UdeM00000043326 XP_019614393.1 24.7 304
178 10 116 394 328 605 5.60E-12 80.5 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000038553 90988 312.8 UdeM00000038553 XP_039515048.1 39.3 438
246 9 4 425 534 967 7.50E-82 312.8 90988 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysii;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
idei;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
UdeM00000038554 6850 103.6 UdeM00000038554 XP_013784332.1 59.8 82
32 1 6 86 4 85 3.60E-19 103.6 6850 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
lidae;Limulus;Limulus polyphemus
UdeM00000038555 6565 145.6 UdeM00000038555 XP_022300575.1 38.5 244
112 6 503 742 148 357 2.50E-31 145.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038556 29159 401.4 UdeM00000038556 XP_034318668.1 46.8 474
241 5 1 467 538 1007 1.60E-108 401.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038557 13397 127.9 UdeM00000038557 XP_041064996.1 33 230
128 7 72 283 57 278 3.00E-26 127.9 13397 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
don;Carcharodon carcharias

UdeM00000038558 36176 112.5 UdeM00000038558 XP_043568160.1 28.3 286
 170 9 6 268 5 278 1.20E-21 112.5 36176 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Hemiscylliidae;Chiloscyllium;Chiloscyllium plagiosum
 UdeM00000038559 386614 110.9 UdeM00000038559 XP_032889954.1 29.3
 276 155 11 7 277 6 246 3.60E-21 110.9 386614
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
 UdeM00000038560 6596 120.2 UdeM00000038560 XP_045198315.1 38.7 222
 94 8 22 209 29 242 3.20E-24 120.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038561 6573 115.9 UdeM00000038561 XP_021365717.1 27.3 319
 210 12 55 368 46 347 1.70E-22 115.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038562 6596 117.5 UdeM00000038562 XP_045198315.1 37.8 222
 96 8 22 209 29 242 2.10E-23 117.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038564 6596 63.2 UdeM00000038564 XP_045206350.1 34.3 99
 57 4 11 102 209 306 6.20E-07 63.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038573 6596 81.6 UdeM00000038573 XP_045206665.1 58.2 79
 32 1 40 117 60 138 1.70E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038574 6526 66.2 UdeM00000038574 XP_013073309.1 58.7 46
 19 0 28 73 43 88 2.60E-08 66.2 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biophalaria;Biophalaria
 glabrata
 UdeM00000038575 37653 248.1 UdeM00000038575 XP_014789964.1 70 170
 22 1 1 141 134 303 1.10E-62 248.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000038579 6573 396.7 UdeM00000038579 XP_021363140.1 69.3 264
 54 3 4 241 90 352 2.10E-107 396.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038583 225164 84.3 UdeM00000038583 XP_009056975.1 77.1
48 11 0 34 81 93 140 7.60E-14 84.3 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000038584 6565 240.7 UdeM00000038584 XP_022314936.1 56.8 220
56 4 1 190 179 389 1.60E-60 240.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidae;Crassostrea;Crassostrea virginica

UdeM00000038585 6579 117.9 UdeM00000038585 XP_033743084.1 51.4 111
53 1 1 110 1 111 8.40E-24 117.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038590 29159 73.9 UdeM00000038590 XP_034307878.1 32.3 99
67 0 1 99 92 190 3.70E-10 73.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidae;Crassostrea;Crassostrea gigas

UdeM00000038591 29159 209.1 UdeM00000038591 XP_034312908.1 28.2 649
342 20 9 564 6 623 1.40E-50 209.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidae;Crassostrea;Crassostrea gigas

UdeM00000038592 37621 122.5 UdeM00000038592 XP_014676916.1 30.4 253
147 4 29 255 72 321 7.90E-25 122.5 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000038595 6596 173.7 UdeM00000038595 XP_045177695.1 42.3 222
120 4 5 219 164 384 7.40E-40 173.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044458 6573 158.7 UdeM00000044458 XP_021376346.1 78.3 106
22 1 1 105 1 106 4.10E-36 158.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033796 6596 112.1 UdeM00000033796 XP_045194453.1 33.3 192
118 4 34 219 54 241 9.50E-22 112.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033798 6596 140.6 UdeM00000033798 XP_045194453.1 30.8 260
170 4 12 265 8 263 2.90E-30 140.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033800 29159 64.3 UdeM00000033800 XP_011439465.2 22.2 248
174 7 42 287 567 797 5.60E-07 64.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033804 6596 128.3 UdeM00000033804 XP_045194453.1 34.1 214
131 4 34 241 54 263 1.40E-26 128.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033803 6596 142.5 UdeM00000033803 XP_045194453.1 33.8 240
149 4 49 282 28 263 8.20E-31 142.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033806 6596 1022.3 UdeM00000033806 XP_045160618.1 47.3
1147 488 11 15 1064 1372 2498 4.60E-295 1022.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033805 6596 1818.1 UdeM00000033805 XP_045160618.1 47.4
2063 789 19 223 2101 548 2498 0.00E+00 1818.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033805 6596 83.2 UdeM00000033805 XP_045160618.1 54.5 77
35 0 20 96 9 85 4.40E-12 83.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033807 6596 907.5 UdeM00000033807 XP_045178193.1 45.9 1107
457 13 18 1086 5 1007 1.60E-260 907.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033808 6596 944.5 UdeM00000033808 XP_045178193.1 49.7 1022
457 12 18 1001 5 1007 1.10E-271 944.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033809 6565 310.5 UdeM00000033809 XP_022320624.1 69.7 208
62 1 3 209 5 212 1.80E-81 310.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

UdeM00000033810 6596 1803.9 UdeM00000033810 XP_045178193.1 46.3
2170 1011 33 117 2213 5 2093 0.00E+00 1803.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000033811 6565 310.5 UdeM00000033811 XP_022320624.1 69.7 208
62 1 3 209 5 212 1.80E-81 310.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

UdeM00000033812 6596 1704.9 UdeM00000033812 XP_045178276.1 44.7
2167 994 33 27 2066 5 2093 0.00E+00 1704.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000033813 6596 713.4 UdeM00000033813 XP_045197194.1 64.2 530
186 2 4 533 2 527 2.20E-202 713.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000033814 64176 78.6 UdeM00000033814 XP_028587905.1 63.8 58
18 2 1 57 1 56 5.50E-12 78.6 64176 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
sauria;Squamata;Bifurcata;Unidentata;Episquamata;Laterata;Lacertibaenia;L
acertidae;Lacertinae;Podarcis;Podarcis muralis

UdeM00000033815 6596 1785 UdeM00000033815 XP_045178193.1 46.4 2133
989 33 28 2085 5 2057 0.00E+00 1785 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000033816 130825 94.7 UdeM00000033816 XP_040842723.1 56.6
76 33 0 1 76 450 525 6.00E-17 94.7 130825
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Euarchontoglires;Glires;Lagomorpha;Ochotonidae;Ochotona;Oc
hotona curzoniae

UdeM00000033818 6596 421.4 UdeM00000033818 XP_045198575.1 80.5 267
52 0 39 305 9 275 9.80E-115 421.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033819 6596 410.2 UdeM00000033819 XP_045198575.1 79 262
 55 0 15 276 14 275 2.10E-111 410.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033820 6596 407.9 UdeM00000033820 XP_045198569.1 78.7 268
 57 0 46 313 8 275 1.20E-110 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033821 6596 404.1 UdeM00000033821 XP_045198569.1 78.8 264
 56 0 3 266 6 269 1.50E-109 404.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033822 6596 410.2 UdeM00000033822 XP_045198569.1 79.5 264
 54 0 30 293 6 269 2.20E-111 410.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033824 6596 520 UdeM00000033824 XP_045197194.1 65.1 378
 129 1 2 379 156 530 2.50E-144 520 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033823 6596 740.7 UdeM00000033823 XP_045197194.1 65.2 532
 182 1 4 535 2 530 1.30E-210 740.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033825 29159 241.1 UdeM00000033825 XP_011455803.2 28.2 766
 407 20 91 838 5 645 5.10E-60 241.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033826 6579 123.6 UdeM00000033826 XP_033760957.1 60.9 92
 34 1 10 101 1020 1109 1.50E-25 123.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033828 6565 246.9 UdeM00000033828 XP_022321004.1 75.3 154
 36 1 1 154 1 152 1.70E-62 246.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033829 29159 244.6 UdeM00000033829 XP_011445128.2 49.6 256
 125 4 20 272 4 258 1.50E-61 244.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033830 46514 84.7 UdeM00000033830 XP_038050656.1 54.5 77
 35 0 90 166 418 494 1.20E-13 84.7 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000033831 6596 62.8 UdeM00000033831 XP_045208636.1 26.8 142
 85 3 19 143 108 247 4.20E-07 62.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033833 6596 143.3 UdeM00000033833 XP_045204665.1 31.9 342
 194 12 211 530 176 500 9.00E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033834 6565 159.5 UdeM00000033834 XP_022321863.1 35.6 281
 150 11 247 516 275 535 1.20E-35 159.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033835 6565 147.9 UdeM00000033835 XP_022321863.1 34.1 279
 158 10 201 471 275 535 3.40E-32 147.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033836 6596 67 UdeM00000033836 XP_045171512.1 24.6 260
 161 12 39 289 403 636 4.70E-08 67 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033837 6565 147.5 UdeM00000033837 XP_022321863.1 34.5 281
 154 11 60 330 275 535 3.10E-32 147.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033838 29159 73.2 UdeM00000033838 XP_011450276.2 37.2 113
 70 1 93 204 334 446 4.50E-10 73.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033840 6579 272.7 UdeM00000033840 XP_033730706.1 50.4 278
 133 3 19 296 45 317 1.40E-69 272.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033839 6579 292.4 UdeM00000033839 XP_033730706.1 48.6 311
 155 3 2 312 12 317 1.70E-75 292.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043471 37621 136.3 UdeM00000043471 XP_014679849.1 57.7 97
 40 1 2 97 394 490 2.00E-29 136.3 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000043473 6596 79.7 UdeM00000043473 XP_045161541.1 40 90
 51 1 27 116 136 222 2.70E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043474 6596 59.3 UdeM00000043474 XP_045208720.1 43.3 67
 38 0 96 162 1223 1289 5.50E-06 59.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043475 6573 68.9 UdeM00000043475 XP_021365681.1 40 90
 49 2 5 94 438 522 4.50E-09 68.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043477 6596 130.2 UdeM00000043477 XP_045209416.1 30.7 293
 185 7 7 293 719 999 4.90E-27 130.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043478 6573 74.3 UdeM00000043478 XP_021362685.1 34.7 124
 75 3 5 128 437 554 2.10E-10 74.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043479 151771 422.9 UdeM00000043479 XP_028414839.1 36
 644 374 13 151 776 114 737 8.60E-115 422.9 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000043480 151771 422.9 UdeM00000043480 XP_028414839.1 36
 644 374 13 144 769 114 737 8.50E-115 422.9 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000043481 6412 60.8 UdeM00000043481 XP_009012286.1 39.7 73
 44 0 8 80 53 125 1.10E-06 60.8 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Annelida; Clitellata; Hirudinea; Rhynchobdellida; Glossiphoniidae; Helobdella; Helobdella robusta

UdeM00000043482 7054 149.4 UdeM00000043482 XP_031328250.1 51.2 129
62 1 2 130 232 359 3.50E-33 149.4 7054 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elateriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis

UdeM00000043483 7054 137.9 UdeM00000043483 XP_031328250.1 54.5 112
50 1 1 112 249 359 9.20E-30 137.9 7054 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elateriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis

UdeM00000043484 6596 124 UdeM00000043484 XP_045208721.1 30.2 331
215 8 7 335 719 1035 4.00E-25 124 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009361 6596 865.1 UdeM00000009361 XP_045171153.1 66.2 610
194 2 25 632 30 629 5.50E-248 865.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009362 6579 139 UdeM00000009362 XP_033748412.1 55.2 210
88 4 7 213 5 211 1.40E-29 139 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000009363 6579 94 UdeM00000009363 XP_033748413.1 43.4 106
56 2 1 105 8 110 1.60E-16 94 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000009364 307658 60.5 UdeM00000009364 XP_036150530.1 31.1
106 73 0 28 133 25 130 1.90E-06 60.5 307658
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Aculeata; Formicoidea; Formicidae; Myrmicinae; Solenopsidini; Monomorium; Monomorium pharaonis

UdeM00000009365 6596 815.8 UdeM00000009365 XP_045172244.1 61.4 625
234 3 28 651 102 720 3.90E-233 815.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009366 6596 249.6 UdeM00000009366 XP_045174134.1 54.4 272
114 6 78 346 77 341 5.90E-63 249.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009367	6596	1723.4			UdeM00000009367	XP_045174134.1	67.8		
1574	468	12	519	2078	333	1881	0.00E+00	1723.4	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009368	6596	1723.4			UdeM00000009368	XP_045174134.1	67.8		
1574	468	12	519	2078	333	1881	0.00E+00	1723.4	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009369	400727		844		UdeM00000009369	XP_025090101.1	70.6		
609	167	6	9	605	51	659	1.20E-241	844	400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009370	6579	152.5			UdeM00000009370	XP_033748759.1	68.5	108	
34	0	20	127	308	415	3.60E-34	152.5	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009371	400727		973.4		UdeM00000009371	XP_025090101.1	74.2		
659	159	5	4	652	2	659	1.40E-280	973.4	400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009372	6596	588.2			UdeM00000009372	XP_045173526.1	64.7	462	
152	3	1	460	18	470	9.30E-165	588.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009373	6596	553.1			UdeM00000009373	XP_045173526.1	64.9	441	
139	4	23	449	32	470	3.20E-154	553.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009374	6596	603.2			UdeM00000009374	XP_045172188.1	58.4	551	
217	6	3	544	2	549	3.30E-169	603.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009375	151771		256.9		UdeM00000009375	XP_028406951.1	30.6		
555	227	7	1	404	119	666	4.30E-65	256.9	151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea

UdeM00000009376 45264 399.8 UdeM00000009376 XP_044165143.1 49 443
171 5 27 418 35 473 4.30E-108 399.8 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000009377 1735272 625.9 UdeM00000009377 XP_041378650.1 51.8
626 284 8 11 621 171 793 5.60E-176 625.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009378 1735272 99 UdeM00000009378 XP_041378650.1 34.7
173 98 5 11 170 171 341 6.70E-18 99 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009380 6596 115.5 UdeM00000009380 XP_045172955.1 46.4 125
59 3 1 117 41 165 6.20E-23 115.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009379 6596 129 UdeM00000009379 XP_045172955.1 43.1 160
79 4 9 160 10 165 6.80E-27 129 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009381 6579 195.3 UdeM00000009381 XP_033743771.1 72.8 125
34 0 21 145 26 150 5.80E-47 195.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009382 6596 205.3 UdeM00000009382 XP_045172543.1 67.9 137
44 0 3 139 46 182 5.40E-50 205.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009383 6596 157.1 UdeM00000009383 XP_045171622.1 37.3 335
164 11 1 309 495 809 5.00E-35 157.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009384 6596 406.4 UdeM00000009384 XP_045171622.1 64.3 311
104 5 15 320 16 324 3.40E-110 406.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009385 6565 144.1 UdeM00000009385 XP_022297409.1 38.6 210
122 5 1 205 82 289 2.10E-31 144.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009387 6573 385.2 UdeM00000009387 XP_021367299.1 62.7 308
69 1 33 340 34 295 8.70E-104 385.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009388 6573 406.4 UdeM00000009388 XP_021367299.1 73.3 262
70 0 33 294 34 295 3.20E-110 406.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009389 6596 394 UdeM00000009389 XP_045172865.1 86.2 312
43 0 1 312 1 312 1.70E-106 394 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009391 2607531 179.5 UdeM00000009391 XP_029636426.1 27.5
535 354 14 312 825 363 884 1.80E-41 179.5 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000009392 2607531 189.9 UdeM00000009392 XP_029636426.1 24.8
826 553 23 33 825 94 884 1.30E-44 189.9 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000009393 6596 437.6 UdeM00000009393 XP_045171829.1 67.9 293
94 0 1 293 1 293 1.30E-119 437.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009394 6579 438.7 UdeM00000009394 XP_033747207.1 56.3 414
168 8 72 481 71 475 9.40E-120 438.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009395 400727 309.3 UdeM00000009395 XP_025090389.1 74.7
198 46 2 5 198 281 478 3.60E-81 309.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009396 6596 524.6 UdeM00000009396 XP_045169782.1 52.8 477
223 2 1 476 56 531 1.30E-145 524.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009397 6596 460.7 UdeM00000009397 XP_045171612.1 78.1 283
62 0 1 283 1 283 1.40E-126 460.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009398 29159 85.5 UdeM00000009398 XP_034337118.1 34.6 133
87 0 1 133 8 140 5.90E-14 85.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostracida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009400 6596 157.5 UdeM00000009400 XP_045172549.1 30.9 418
208 14 22 383 45 437 3.80E-35 157.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009401 6565 104.8 UdeM00000009401 XP_022337818.1 26.3 228
157 4 1 221 13 236 3.00E-19 104.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostracida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009402 6579 146 UdeM00000009402 XP_033748511.1 55.8 113
50 0 1 113 1 113 3.00E-32 146 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009403 6596 183 UdeM00000009403 XP_045172312.1 55.9 177
74 3 1 176 11 184 3.40E-43 183 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009404 6596 305.4 UdeM00000009404 XP_045171448.1 32.6 783
373 25 6 740 7 682 1.90E-79 305.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009405 400727 150.6 UdeM00000009405 XP_025093013.1 77.2
92 21 0 1 92 1 92 1.00E-33 150.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009406 6565 94.4 UdeM00000009406 XP_022302274.1 35 177
83 3 14 159 127 302 1.50E-16 94.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostracida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009408 225164 279.6 UdeM00000009408 XP_009052004.1 64.2
 204 72 1 19 221 33 236 3.60E-72 279.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000009410 6596 1098.2 UdeM00000009410 XP_045171753.1 59.3
 923 370 4 14 932 55 975 0.00E+00 1098.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009411 1735272 206.8 UdeM00000009411 XP_041348293.1 72.7
 139 37 1 56 194 1 138 2.50E-50 206.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009413 7029 68.9 UdeM00000009413 XP_008190135.1 42.1 76
 44 0 83 158 3 78 6.70E-09 68.9 7029 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Acyrtosiphon;Acy
 rtosiphon pisum
 UdeM00000009415 6596 194.9 UdeM00000009415 XP_045171400.1 63.6 143
 52 0 1 143 1 143 7.20E-47 194.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009414 6573 275.8 UdeM00000009414 XP_021353969.1 46.4 319
 165 3 8 321 13 330 1.10E-70 275.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009416 7739 62 UdeM00000009416 XP_035697989.1 35.5 93
 59 1 954 1045 340 432 5.20E-06 62 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000009417 6579 335.5 UdeM00000009417 XP_033751112.1 49.8 301
 146 3 35 332 63 361 7.80E-89 335.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009418 6596 168.3 UdeM00000009418 XP_045166798.1 37.5 256
 154 3 57 312 42 291 1.60E-38 168.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009419 6579 261.5 UdeM00000009419 XP_033751112.1 43.6 291
 161 2 87 377 77 364 1.60E-66 261.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009420 6526 140.6 UdeM00000009420 XP_013086474.1 42.6 169
 91 2 95 258 28 195 2.90E-30 140.6 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000009422 6565 122.9 UdeM00000009422 XP_022337267.1 46.3 134
 70 1 43 174 405 538 4.10E-25 122.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009423 6565 145.2 UdeM00000009423 XP_022337267.1 36.5 277
 109 10 11 222 264 538 9.90E-32 145.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009424 7574 308.5 UdeM00000009424 XP_013390758.1 41.5 376
 194 6 46 401 47 416 1.30E-80 308.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000009425 2607531 199.5 UdeM00000009425 XP_029641155.1 32.9
 313 194 5 51 352 68 375 7.20E-48 199.5 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000009426 6596 197.2 UdeM00000009426 XP_045202146.1 44.4 216
 105 2 46 248 76 289 2.70E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009427 6579 257.3 UdeM00000009427 XP_033762187.1 50.9 271
 110 7 46 297 63 329 2.40E-65 257.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009428 6573 411.8 UdeM00000009428 XP_021363050.1 49.2 378
 187 3 73 446 322 698 1.20E-111 411.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009429 6500 287.7 UdeM00000009429 XP_012940167.1 47.3 300
 125 3 42 308 109 408 1.80E-74 287.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000009430 6526 151.4 UdeM00000009430 XP_013088644.1 61.1 113
 44 0 1 113 1 113 7.40E-34 151.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000037921 6573 410.2 UdeM00000037921 XP_021355706.1 39.4 743
 366 13 1 739 217 879 5.60E-111 410.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037922 6579 968.4 UdeM00000037922 XP_033741906.1 72.2 658
 183 0 12 669 6 663 4.80E-279 968.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037923 6596 214.5 UdeM00000037923 XP_045198029.1 29.9 491
 318 10 29 508 67 542 3.50E-52 214.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037924 6596 133.7 UdeM00000037924 XP_045170511.1 28.1 278
 172 4 38 290 716 990 5.50E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037925 6596 132.9 UdeM00000037925 XP_045170511.1 28 300
 187 5 38 311 716 1012 9.40E-28 132.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037927 6596 132.1 UdeM00000037927 XP_045198029.1 27 385
 262 8 13 388 168 542 1.90E-27 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037928 6596 176.8 UdeM00000037928 XP_045198026.1 31.2 362
 224 7 60 407 67 417 6.10E-41 176.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037929 6596 139 UdeM00000037929 XP_045198029.1 26 384
 262 9 19 392 171 542 1.60E-29 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037931 6596 193.4 UdeM00000037931 XP_045198029.1 30.2 540
 330 16 1 521 34 545 8.70E-46 193.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037933 29159 67 UdeM00000037933 XP_034325073.1 37.5 72
45 0 1 72 12 83 1.20E-08 67 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037934 6596 225.7 UdeM00000037934 XP_045198029.1 29.6 487
322 10 7 483 67 542 1.50E-55 225.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037936 29159 145.2 UdeM00000037936 XP_034310226.1 31.8 324
208 7 343 663 279 592 3.00E-31 145.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037937 6596 104 UdeM00000037937 XP_045179845.1 29.3 184
126 2 93 272 1324 1507 3.10E-19 104 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037938 6596 164.1 UdeM00000037938 XP_045198026.1 28.2 422
272 9 1 403 137 546 4.70E-37 164.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037939 29159 144.8 UdeM00000037939 XP_034310226.1 33.6 295
183 7 356 647 308 592 3.90E-31 144.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037940 6596 195.7 UdeM00000037940 XP_045177819.1 26.3 501
322 11 25 522 636 1092 1.50E-46 195.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037941 29159 87.8 UdeM00000037941 XP_034307860.1 63.8 69
25 0 1 69 1 69 1.40E-14 87.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037942 29159 377.9 UdeM00000037942 XP_034307860.1 66.5 278
93 0 1 278 1 278 1.20E-101 377.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037943 7574 785.4 UdeM00000037943 XP_023931786.1 45.1 811
 387 2 14 766 1649 2459 7.60E-224 785.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000037944 6596 233.4 UdeM00000037944 XP_045197906.1 48.9 225
 113 2 1 223 243 467 2.80E-58 233.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037945 6596 154.5 UdeM00000037945 XP_045197906.1 78 91
 20 0 1 91 62 152 8.50E-35 154.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037946 7741 63.2 UdeM00000037946 XP_019620661.1 27.1 166
 106 4 67 230 29 181 6.00E-07 63.2 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000037947 6596 186.8 UdeM00000037947 XP_045197906.1 53.7 177
 82 0 10 186 244 420 2.50E-44 186.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037948 6596 96.7 UdeM00000037948 XP_045197906.1 59 78
 31 1 16 93 23 99 1.70E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037949 2652724 640.6 UdeM00000037949 XP_028512668.1 51.5
 524 254 0 106 629 19 542 2.50E-180 640.6 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000037950 6596 256.5 UdeM00000037950 XP_045197906.1 51 261
 127 1 1 260 207 467 3.60E-65 256.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037951 6596 268.1 UdeM00000037951 XP_045197906.1 68.3 183
 58 0 16 198 23 205 9.10E-69 268.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037952 6579 217.6 UdeM00000037952 XP_033741714.1 60 170
 68 0 1 170 1 170 1.30E-53 217.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000037953 7574 94.7 UdeM00000037953 XP_013420843.1 39.9 153
62 5 13 136 6 157 9.40E-17 94.7 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000037954 6565 287.7 UdeM00000037954 XP_022294039.1 82.7 168
29 0 1 168 1 168 9.70E-75 287.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000037955 6565 281.6 UdeM00000037955 XP_022294039.1 81 168
32 0 1 168 1 168 7.00E-73 281.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000037956 6565 281.2 UdeM00000037956 XP_022294039.1 81 168
32 0 1 168 1 168 9.10E-73 281.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000037957 6579 262.7 UdeM00000037957 XP_033730334.1 72.5 171
47 0 1 171 1 171 3.30E-67 262.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000037958 6596 308.9 UdeM00000037958 XP_045197907.1 68.8 221
69 0 6 226 18 238 5.50E-81 308.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000037959 6596 208 UdeM00000037959 XP_045197906.1 47.3 207
107 2 1 205 261 467 1.20E-50 208 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000037960 6596 493 UdeM00000037960 XP_045197748.1 53.5 441
195 3 24 464 21 451 4.10E-136 493 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000037961 37653 269.2 UdeM00000037961 XP_014788370.1 42.2 327
182 5 40 364 1 322 7.50E-69 269.2 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000037962 37653 263.8 UdeM00000037962 XP_014788370.1 44.1 295
159 4 14 306 32 322 2.70E-67 263.8 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000037963 6596 121.7 UdeM00000037963 XP_045206982.1 47.1 136
59 4 1 128 1 131 7.10E-25 121.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037965 29159 232.6 UdeM00000037965 XP_034332822.1 40.6 308
169 7 98 396 109 411 8.60E-58 232.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037966 6596 570.5 UdeM00000037966 XP_045197406.1 75.2 367
88 2 1 367 1 364 2.50E-159 570.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037967 6596 146.7 UdeM00000037967 XP_045169945.1 45.2 146
80 0 24 169 24 169 2.60E-32 146.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037968 6565 222.2 UdeM00000037968 XP_022294078.1 38.9 298
173 5 145 434 143 439 1.30E-54 222.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037969 7757 91.7 UdeM00000037969 XP_032835784.1 59.7 72
29 0 2 73 3 74 6.20E-16 91.7 7757 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus
UdeM00000037970 6565 226.1 UdeM00000037970 XP_022294078.1 40.7 300
165 6 105 394 143 439 8.00E-56 226.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037971 6573 192.2 UdeM00000037971 XP_021349207.1 37.2 323
165 9 111 399 99 417 1.30E-45 192.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037972 29159 194.9 UdeM00000037972 XP_034317111.1 33.9 381
180 5 1 310 650 1029 1.50E-46 194.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037973 29159 122.5 UdeM00000037973 XP_034317111.1 43.7 151
84 1 1 151 650 799 7.70E-25 122.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037974 29159 111.3 UdeM00000037974 XP_034317111.1 49.1 106
49 2 2 102 171 276 7.50E-22 111.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037975 29159 194.9 UdeM00000037975 XP_034317111.1 33.9 381
180 5 1 310 650 1029 1.50E-46 194.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037976 29159 122.5 UdeM00000037976 XP_034317111.1 43.7 151
84 1 1 151 650 799 7.70E-25 122.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037977 29159 111.3 UdeM00000037977 XP_034317111.1 49.1 106
49 2 2 102 171 276 7.50E-22 111.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037978 29159 194.9 UdeM00000037978 XP_034317111.1 33.9 381
180 5 1 310 650 1029 1.50E-46 194.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037979 29159 122.5 UdeM00000037979 XP_034317111.1 43.7 151
84 1 1 151 650 799 7.70E-25 122.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037980 29159 111.3 UdeM00000037980 XP_034317111.1 49.1 106
49 2 2 102 171 276 7.50E-22 111.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037981 29159 203 UdeM00000037981 XP_034317111.1 35.4 381
222 7 1 358 650 1029 6.50E-49 203 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037982 29159 122.5 UdeM00000037982 XP_034317111.1 43 151
85 1 1 151 650 799 7.70E-25 122.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037983 29159 111.3 UdeM00000037983 XP_034317111.1 49.1 106
49 2 2 102 171 276 7.50E-22 111.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037984 6565 224.9 UdeM00000037984 XP_022294078.1 41.3 300
163 7 74 363 143 439 1.60E-55 224.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037985 6565 224.9 UdeM00000037985 XP_022294078.1 41.3 300
163 7 119 408 143 439 1.80E-55 224.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037986 6596 151.4 UdeM00000037986 XP_045196667.1 80.5 82
16 0 1 82 1 82 7.80E-34 151.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037988 6596 267.7 UdeM00000037988 XP_045196667.1 45.8 251
134 1 1 251 86 334 1.70E-68 267.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037989 6596 236.9 UdeM00000037989 XP_045197480.1 81.5 151
28 0 5 155 1 151 1.80E-59 236.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037990 6579 1330.5 UdeM00000037990 XP_033739710.1 71.8
909 245 8 1 906 1 901 0.00E+00 1330.5 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037991 6596 1987.2 UdeM00000037991 XP_045195099.1 41.2
3408 1216 61 426 3809 12 2655 0.00E+00 1987.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037994 6579 448 UdeM00000037994 XP_033739407.1 72 286
79 1 1 286 1 285 9.20E-123 448 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037992 6579 634.8 UdeM00000037992 XP_033739407.1 56 589
197 8 1 588 1 528 1.10E-178 634.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037993 6579 596.7 UdeM00000037993 XP_033739407.1 54.5 583
199 9 1 572 1 528 3.20E-167 596.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037995 6579 164.9 UdeM00000037995 XP_033739407.1 41 266
 102 6 11 275 317 528 1.50E-37 164.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037996 6573 169.9 UdeM00000037996 XP_021360699.1 86.2 94
 13 0 2 95 1049 1142 1.60E-39 169.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037997 6596 546.2 UdeM00000037997 XP_045195096.1 50.3 719
 307 18 15 701 412 1112 6.30E-152 546.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037998 1735272 202.6 UdeM00000037998 XP_041351324.1 76.7
 129 26 1 6 134 139 263 3.20E-49 202.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000037999 6596 168.7 UdeM00000037999 XP_045195096.1 74.3 105
 25 2 1 104 1 104 4.70E-39 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038000 6596 176.4 UdeM00000038000 XP_045182313.1 47.1 187
 98 1 17 202 684 870 3.90E-41 176.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038001 6596 174.9 UdeM00000038001 XP_045182313.1 47.1 189
 97 2 17 204 684 870 1.10E-40 174.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038002 6596 179.9 UdeM00000038002 XP_045182313.1 47.1 191
 100 1 13 202 680 870 3.50E-42 179.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038003 6596 178.7 UdeM00000038003 XP_045182313.1 47.7 193
 98 2 13 204 680 870 7.90E-42 178.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038004 6596 181 UdeM00000038004 XP_045182313.1 47.6 191
 99 1 13 202 680 870 1.60E-42 181 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038005 6596 179.9 UdeM00000038005 XP_045182313.1 48.2 193
97 2 13 204 680 870 3.50E-42 179.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038006 6596 178.3 UdeM00000038006 XP_045182313.1 47.7 193
98 2 13 204 680 870 1.00E-41 178.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038007 6596 179.5 UdeM00000038007 XP_045182313.1 47.1 191
100 1 13 202 680 870 4.60E-42 179.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038008 6596 179.5 UdeM00000038008 XP_045182313.1 47.1 191
100 1 13 202 680 870 4.60E-42 179.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038009 6596 178.3 UdeM00000038009 XP_045182313.1 47.7 193
98 2 13 204 680 870 1.00E-41 178.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038010 6596 178.7 UdeM00000038010 XP_045182313.1 47.7 193
98 2 13 204 680 870 7.90E-42 178.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038011 6596 180.3 UdeM00000038011 XP_045182313.1 47.1 191
100 1 13 202 680 870 2.70E-42 180.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038012 6596 534.3 UdeM00000038012 XP_045198046.1 51 529
254 2 1 525 1 528 2.10E-148 534.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038013 6596 321.2 UdeM00000038013 XP_045197795.1 63.7 262
81 3 1 248 1 262 1.10E-84 321.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038014 6596 214.2 UdeM00000038014 XP_045197795.1 73.4 143
38 0 1 143 120 262 1.10E-52 214.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038015 6596 1013.4 UdeM00000038015 XP_045195538.1 81.7
597 108 1 1 596 1 597 1.10E-292 1013.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038016 6596 501.5 UdeM00000038016 XP_045199170.1 51 478
196 6 1 476 1 442 1.20E-138 501.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038017 225164 110.5 UdeM00000038017 XP_009055924.1 58.2
79 33 0 1 79 321 399 1.10E-21 110.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000038018 400727 248.1 UdeM00000038018 XP_025097357.1 61.9
168 64 0 8 175 227 394 9.20E-63 248.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038020 6596 313.9 UdeM00000038020 XP_045197866.1 67.4 221
69 2 9 229 11 228 1.70E-82 313.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038021 6596 231.9 UdeM00000038021 XP_045196674.1 41.6 308
167 8 65 366 17 317 1.30E-57 231.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038022 6596 111.7 UdeM00000038022 XP_045210582.1 27.3 359
154 6 76 390 135 430 2.10E-21 111.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038023 6596 78.2 UdeM00000038023 XP_045211959.1 41.7 96
 49 1 148 236 393 488 1.60E-11 78.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038026 6596 106.3 UdeM00000038026 XP_045169207.1 30.4 230
 122 8 33 254 43 242 6.10E-20 106.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038027 400727 125.9 UdeM00000038027 XP_025096944.1 34.7
 239 136 14 29 257 1884 2112 9.00E-26 125.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038028 27687 133.7 UdeM00000038028 XP_028670492.1 32.1 268
 155 15 4 259 368 620 4.30E-28 133.7 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000038029 1735272 208 UdeM00000038029 XP_041358957.1 38.6
 306 159 7 3 279 72 377 1.70E-50 208 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038030 1735272 333.6 UdeM00000038030 XP_041358957.1 42
 421 219 10 6 414 1 408 4.10E-88 333.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038031 1735272 1608.6 UdeM00000038031 XP_041353976.1
 31.4 4642 2335 113 1 4523 4 3915 0.00E+00 1608.6
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038032 29159 478.8 UdeM00000038032 XP_011450164.1 38.5 969
 402 28 1 832 168 1079 1.50E-131 478.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038033 6573 167.5 UdeM00000038033 XP_021373641.1 65.9 135
 43 2 123 255 18 151 2.50E-38 167.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038034 6596 146.4 UdeM00000038034 XP_045196399.1 45.4 152
 83 0 1 152 1 152 3.50E-32 146.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038035 6565 216.1 UdeM00000038035 XP_022299727.1 47.6 233
119 2 1 231 46 277 4.80E-53 216.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038036 6596 98.6 UdeM00000038036 XP_045161355.1 50.5 95
47 0 1 95 142 236 4.60E-18 98.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038037 6596 124 UdeM00000038037 XP_045177429.1 45 131
69 2 2 131 220 348 1.40E-25 124 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038038 6596 111.7 UdeM00000038038 XP_045187840.1 37 173
105 1 30 202 275 443 1.20E-21 111.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038039 6596 233.8 UdeM00000038039 XP_045186289.1 45.7 269
144 2 26 293 220 487 2.90E-58 233.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038040 6596 99.8 UdeM00000038040 XP_045177277.1 32.7 147
99 0 99 245 203 349 5.30E-18 99.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038041 7574 295 UdeM00000038041 XP_013381563.1 39.6 376
208 6 30 396 22 387 1.50E-76 295 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000038042 7574 301.2 UdeM00000038042 XP_013381563.1 41.7 345
184 5 61 396 51 387 2.00E-78 301.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000038043 741275 64.3 UdeM00000038043 XP_007380191.1 25.4
130 97 0 99 228 10 139 2.30E-07 64.3 741275

cellular

organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Basidiomycota;Agaricomycotina;Agaricomycetes;Agaricomycetes incertae

sedis;Corticiales;Punctulariaceae;Punctularia;Punctularia
 strigosozonata;Punctularia strigosozonata HHB-11173 SS5
 UdeM00000038044 6596 207.2 UdeM00000038044 XP_045161383.1 47 230
 120 2 1 229 223 451 2.30E-50 207.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038045 7574 301.2 UdeM00000038045 XP_013381563.1 41.7 345
 184 5 61 396 51 387 2.00E-78 301.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000038046 7574 296.6 UdeM00000038046 XP_013381563.1 41.2 345
 186 5 61 396 51 387 5.00E-77 296.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000038047 7574 300.8 UdeM00000038047 XP_013381563.1 42 343
 182 5 61 394 51 385 2.70E-78 300.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000038048 10224 159.5 UdeM00000038048 XP_006819375.1 63.7 113
 41 0 326 438 128 240 1.00E-35 159.5 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000038049 6596 114.4 UdeM00000038049 XP_045187840.1 44 141
 74 2 25 161 304 443 1.40E-22 114.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038050 6579 223.4 UdeM00000038050 XP_033754690.1 44.7 235
 129 1 1 234 222 456 3.10E-55 223.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038051 6596 137.1 UdeM00000038051 XP_045177429.1 53.3 122
 56 1 2 122 220 341 1.50E-29 137.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038052 29159 88.6 UdeM00000038052 XP_034306898.1 47.9 94
 49 0 3 96 140 233 4.90E-15 88.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038053 6596 115.5 UdeM00000038053 XP_045187840.1 43.3 141
 75 2 25 161 304 443 6.30E-23 115.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038054 6579 220.7 UdeM00000038054 XP_033753557.1 46 235
 126 1 1 234 61 295 2.00E-54 220.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038056 6596 111.7 UdeM00000038056 XP_045187840.1 42 138
 77 1 27 161 306 443 9.10E-22 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038057 6579 207.2 UdeM00000038057 XP_033753557.1 43.1 239
 127 2 1 230 61 299 2.20E-50 207.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038058 6596 111.3 UdeM00000038058 XP_045177265.1 41.7 139
 78 1 90 225 302 440 1.60E-21 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038059 6579 217.6 UdeM00000038059 XP_033753557.1 43.9 239
 133 1 1 238 61 299 1.70E-53 217.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038060 6596 115.2 UdeM00000038060 XP_045187840.1 36.2 177
 110 1 124 297 267 443 1.50E-22 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038061 6565 296.6 UdeM00000038061 XP_022322655.1 38.7 421
 177 4 39 380 143 561 5.40E-77 296.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038062 29159 221.1 UdeM00000038062 XP_034299474.1 44.9 247
 134 1 6 250 509 755 1.60E-54 221.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038063 29159 360.5 UdeM00000038063 XP_034330911.1 48.6 391
 156 7 1 354 1 383 2.50E-96 360.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038064 6596 1172.9 UdeM00000038064 XP_045197464.1 70.9
 783 207 1 1 783 1 762 0.00E+00 1172.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038065	6596	1180.2	UdeM00000038065	XP_045198011.1	67.2				
847	275	2	10	853	11	857	0.00E+00	1180.2	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038066	6596	143.3	UdeM00000038066	XP_045198010.1	36.8	228			
133	4	355	580	465	683	1.00E-30	143.3	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038067	6596	379.4	UdeM00000038067	XP_045196232.1	36.4	646			
374	11	20	646	23	650	9.10E-102	379.4	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038068	6596	97.1	UdeM00000038068	XP_045196404.1	34.7	150			
88	3	35	181	646	788	2.50E-17	97.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038069	6596	348.2	UdeM00000038069	XP_045187536.1	55.9	329			
97	2	1	281	396	724	9.80E-93	348.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038070	6596	244.6	UdeM00000038070	XP_045187536.1	64.9	191			
65	1	1	191	396	584	1.10E-61	244.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038071	6565	172.9	UdeM00000038071	XP_022299727.1	46.5	187			
98	1	1	185	46	232	3.70E-40	172.9	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038072	6596	216.9	UdeM00000038072	XP_045187536.1	70.8	154			
44	1	2	155	228	380	2.40E-53	216.9	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038073	6596	146.7	UdeM00000038073	XP_045196865.1	64.8	88			
31	0	303	390	276	363	6.60E-32	146.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038074 6596 59.7 UdeM00000038074 XP_045203878.1 38.7 62
37 1 11 71 666 727 1.80E-06 59.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038075 6596 218.8 UdeM00000038075 XP_045196404.1 39.1 297
162 7 147 435 503 788 1.40E-53 218.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038076 6596 429.1 UdeM00000038076 XP_045196232.1 40 638
344 12 17 636 30 646 9.90E-117 429.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038077 6596 425.2 UdeM00000038077 XP_045196232.1 40.3 635
346 13 17 636 30 646 1.40E-115 425.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038078 6596 165.6 UdeM00000038078 XP_045196404.1 35.3 238
129 5 330 567 395 607 2.00E-37 165.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038080 29159 142.1 UdeM00000038080 XP_034319278.1 52.4 143
61 3 1 138 26 166 5.80E-31 142.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038082 6596 738.4 UdeM00000038082 XP_045196997.1 66.6 563
179 5 1 558 88 646 6.60E-210 738.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038081 6596 847.4 UdeM00000038081 XP_045196997.1 65.9 651
208 7 1 642 1 646 1.20E-242 847.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038083 6596 103.2 UdeM00000038083 XP_045196997.1 69.7 66
19 1 1 66 1 65 1.60E-19 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000038086 6579 72.8 UdeM00000038086 XP_033739891.1 29.1 148
 85 6 67 201 63 203 6.20E-10 72.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038087 6579 70.1 UdeM00000038087 XP_033739891.1 31.6 114
 64 5 96 202 97 203 4.10E-09 70.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038088 1735272 812.8 UdeM00000038088 XP_041352084.1 76.4
 517 119 2 3 517 636 1151 2.60E-232 812.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038089 6565 369 UdeM00000038089 XP_022293130.1 66.4 253
 85 0 4 256 10 262 5.40E-99 369 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038091 6596 436.8 UdeM00000038091 XP_045196594.1 73.6 303
 71 2 1 295 14 315 2.20E-119 436.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000038092 7757 201.1 UdeM00000038092 XP_032835197.1 82.2 118
 21 0 1 118 52 169 8.10E-49 201.1 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000038093 1415580 261.2 UdeM00000038093 XP_030075314.1 49.2
 297 132 4 1 294 345 625 1.60E-66 261.2 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor
 UdeM00000038094 218467 102.4 UdeM00000038094 XP_023242170.1 53.5
 86 40 0 1 86 141 226 2.90E-19 102.4 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000038095 6596 232.3 UdeM00000038095 XP_045203878.1 30.4 586
 348 15 5 550 160 725 1.50E-57 232.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038096 1735272 80.9 UdeM00000038096 XP_041353177.1 44.3
 79 44 0 1 79 148 226 1.40E-12 80.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038097 29159 79.3 UdeM00000038097 XP_034307341.1 49.3 71
 36 0 9 79 230 300 4.00E-12 79.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038098 6579 761.1 UdeM00000038098 XP_033740138.1 59.2 661
 195 12 335 989 384 975 1.80E-216 761.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038099 6579 391 UdeM00000038099 XP_033739837.1 53.3 323
 148 2 4 324 63 384 1.50E-105 391 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038100 6565 69.3 UdeM00000038100 XP_022291906.1 29.7 155
 98 4 51 200 153 301 2.00E-08 69.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038101 6573 175.6 UdeM00000038101 XP_021369328.1 35.2 253
 158 5 49 299 32 280 1.40E-40 175.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038102 6565 144.8 UdeM00000038102 XP_022344385.1 33.2 286
 172 9 9 281 10 289 4.60E-31 144.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038104 6573 145.6 UdeM00000038104 XP_021369328.1 34.6 246
 153 7 4 248 42 280 2.00E-31 145.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038103 6573 153.7 UdeM00000038103 XP_021369328.1 33.2 268
 171 7 29 296 21 280 7.80E-34 153.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038105 6596 124 UdeM00000038105 XP_045196984.1 48.4 122
 60 1 1 122 1 119 1.30E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038106 6596 867.1 UdeM00000038106 XP_045196983.1 69.2 639
 195 1 3 639 2 640 1.40E-248 867.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038110 6596 137.5 UdeM00000038110 XP_045197765.1 38.4 198
114 5 15 204 11 208 2.20E-29 137.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038111 6596 1203.7 UdeM00000038111 XP_045197708.1 49.9
1410 605 23 1 1335 1 1383 0.00E+00 1203.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038112 7245 75.1 UdeM00000038112 XP_015054566.1 33.3 108
64 1 41 140 47 154 8.00E-11 75.1 7245 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Ephydroidea;Drosophilidae;Drosophilinae;Drosophilini;Drosophila;Sophophora;melanogaster group;melanogaster subgroup;Drosophila yakuba

UdeM00000038115 1529436 304.3 UdeM00000038115 XP_033103324.1 46.5
355 178 7 8 355 9 358 2.10E-79 304.3 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000038116 6596 282 UdeM00000038116 XP_045197293.1 68 200
60 1 1 196 12 211 6.30E-73 282 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038117 6579 207.2 UdeM00000038117 XP_033740765.1 74 127
31 1 1 125 1 127 1.20E-50 207.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038118 6596 700.3 UdeM00000038118 XP_045197289.1 64.2 528
178 6 1 521 1 524 1.90E-198 700.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038119 6596 437.6 UdeM00000038119 XP_045197289.1 60.9 350
130 4 2 347 178 524 1.50E-119 437.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038120 6596 380.6 UdeM00000038120 XP_045197287.1 52.1 351
 158 4 12 361 42 383 2.30E-102 380.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038121 6596 429.5 UdeM00000038121 XP_045197287.1 54 385
 167 4 6 389 8 383 4.60E-117 429.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038122 6596 669.1 UdeM00000038122 XP_045197284.1 58 602
 149 4 440 1040 28 526 9.20E-189 669.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038123 114398 215.7 UdeM00000038123 XP_015918600.1 35.2
 429 176 11 1 407 1 349 1.10E-52 215.7 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000038124 6596 163.3 UdeM00000038124 XP_045195325.1 36.8 231
 144 1 53 281 48 278 4.60E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038125 6596 420.6 UdeM00000038125 XP_045195326.1 87.2 235
 27 1 16 247 7 241 1.40E-114 420.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038127 6565 100.1 UdeM00000038127 XP_022327962.1 48 100
 52 0 92 191 194 293 3.10E-18 100.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038128 6596 161 UdeM00000038128 XP_045196321.1 63 127
 45 2 953 1079 361 485 8.50E-36 161 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038129 6596 604 UdeM00000038129 XP_045197626.1 81.1 350
 66 0 1 350 1 350 1.20E-169 604 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038130 1735272 277.7 UdeM00000038130 XP_041353873.1 50.9
 285 123 1 1 285 1 268 1.70E-71 277.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038131 6596 550.8 UdeM00000038131 XP_045198164.1 54.3 554
 207 10 1 532 1 530 1.90E-153 550.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038132 6579 161 UdeM00000038132 XP_033739819.1 60 165
 60 3 22 182 29 191 1.40E-36 161 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038133 6596 560.1 UdeM00000038133 XP_045198191.1 65.6 410
 138 2 30 437 38 446 2.60E-156 560.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038134 6596 132.1 UdeM00000038134 XP_045196561.1 43.3 157
 78 5 22 169 15 169 8.10E-28 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038136 6596 667.9 UdeM00000038136 XP_045196562.1 69 496
 149 2 1 492 1 495 9.70E-189 667.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038139 6573 257.7 UdeM00000038139 XP_021370858.1 46.3 259
 136 2 4 259 6 264 1.60E-65 257.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038140 6596 517.3 UdeM00000038140 XP_045215745.1 50.5 503
 244 4 5 503 8 509 2.20E-143 517.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038141 6596 100.1 UdeM00000038141 XP_045198160.1 45.5 101
 42 3 3 92 8 106 1.50E-18 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038142 6565 702.2 UdeM00000038142 XP_022293895.1 77.8 424
 93 1 3 425 2 425 4.00E-199 702.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038143 6579 180.6 UdeM00000038143 XP_033740251.1 52.6 192
81 4 12 194 71 261 1.90E-42 180.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000038144 400727 84 UdeM00000038144 XP_025099713.1 63.1
65 21 1 3 67 4 65 1.00E-13 84 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000038145 6596 253.4 UdeM00000038145 XP_045185330.1 53.9 230
106 0 10 239 9 238 2.80E-64 253.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038146 6596 161.8 UdeM00000038146 XP_045198834.1 46.4 209
86 5 13 205 14 212 9.50E-37 161.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038147 6596 210.7 UdeM00000038147 XP_045195202.1 71.4 168
33 6 2 159 3 165 2.90E-51 210.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038148 37653 115.9 UdeM00000038148 XP_014777692.1 72.4 76
21 0 15 90 28 103 4.50E-23 115.9 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000038149 6579 654.1 UdeM00000038149 XP_033740823.1 73.9 639
133 8 1 628 1 616 1.90E-184 654.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000038150 6573 457.6 UdeM00000038150 XP_021377377.1 55 393
171 3 22 414 24 410 1.70E-125 457.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038151 1735272 1095.1 UdeM00000038151 XP_041355105.1
60.5 891 344 4 2 890 259 1143 0.00E+00 1095.1
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038152 6596 312.4 UdeM00000038152 XP_045197696.1 80.5 195
 38 0 11 205 53 247 4.50E-82 312.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038153 400727 76.6 UdeM00000038153 XP_025109869.1 72.3
 47 13 0 6 52 6 52 2.20E-11 76.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038154 29159 733.4 UdeM00000038154 XP_034331423.1 58.6 650
 256 5 3 643 19 664 2.50E-208 733.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038155 6596 402.5 UdeM00000038155 XP_045162301.1 37.3 657
 368 15 1 628 5 646 9.70E-109 402.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038156 400727 186 UdeM00000038156 XP_025098454.1 44.6
 195 107 1 3 196 248 442 4.50E-44 186 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038157 225164 416.8 UdeM00000038157 XP_009065179.1 45
 440 236 3 35 470 17 454 4.00E-113 416.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000038158 6596 649.4 UdeM00000038158 XP_045196119.1 77.7 417
 85 7 26 436 18 432 3.20E-183 649.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038159 6596 1010.7 UdeM00000038159 XP_045196128.1 70.3
 715 207 4 1 711 1 714 8.80E-292 1010.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038160 6596 303.1 UdeM00000038160 XP_045196104.1 49.1 379
 134 6 1 333 154 519 4.30E-79 303.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038161 6573 214.9 UdeM00000038161 XP_021374856.1 70.9 134
 39 0 1 134 3 136 6.20E-53 214.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038162 6596 180.6 UdeM00000038162 XP_045162984.1 88.5 104
 12 0 1 104 1 104 1.00E-42 180.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038163 6596 1546.6 UdeM00000038163 XP_045195843.1 44.4
 1863 982 20 3 1833 4 1844 0.00E+00 1546.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038164 6596 1467.2 UdeM00000038164 XP_045162981.1 62.8
 1172 407 14 1 1160 1920 3074 0.00E+00 1467.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038165 6596 609.4 UdeM00000038165 XP_045195854.1 77.5 378
 85 0 1 378 1 378 3.20E-171 609.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038166 6579 1170.2 UdeM00000038166 XP_033740261.1 63.8
 949 312 14 13 956 16 937 0.00E+00 1170.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038167 6596 1165.6 UdeM00000038167 XP_045195875.1 60.5
 990 314 12 3 937 35 1002 0.00E+00 1165.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038168 29159 268.9 UdeM00000038168 XP_019929994.2 32 1185
 526 30 394 1536 1256 2202 4.10E-68 268.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038169 6596 164.9 UdeM00000038169 XP_045197195.1 38.1 289
 158 6 13 300 6 274 1.90E-37 164.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038170 6573 557 UdeM00000038170 XP_021373623.1 51.4 654
 229 14 1 602 59 675 3.30E-155 557 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038171 1735272 144.4 UdeM00000038171 XP_041353958.1 39.3
 191 112 2 12 201 14 201 1.70E-31 144.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038172 6573 261.9 UdeM00000038172 XP_021356409.1 49.5 301
 146 5 20 316 15 313 1.00E-66 261.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038173 6596 230.3 UdeM00000038173 XP_045197883.1 50.8 260
 112 6 2 249 52 307 2.70E-57 230.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038174 6596 226.9 UdeM00000038174 XP_045197891.1 61.9 394
 111 4 23 413 333 690 4.80E-56 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038176 6565 235.7 UdeM00000038176 XP_022292321.1 56.8 229
 85 4 1 223 1 221 6.90E-59 235.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038177 6596 207.6 UdeM00000038177 XP_045196518.1 48.4 248
 49 2 39 286 59 227 2.30E-50 207.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038178 90988 127.1 UdeM00000038178 XP_039535825.1 60.6 94
 37 0 1 94 111 204 1.20E-26 127.1 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 ideii;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
 UdeM00000038179 6596 958 UdeM00000038179 XP_045196514.1 66 724
 241 4 1 724 4 722 6.90E-276 958 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038180 6500 336.3 UdeM00000038180 XP_005104243.2 77.1 214
 42 2 3 211 6 217 2.90E-89 336.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000038181 6596 540.4 UdeM00000038181 XP_045196506.1 58.3 518
 209 4 1 514 4 518 2.40E-150 540.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038182 46514 260 UdeM00000038182 XP_038049290.1 39.4 398
 156 4 8 405 4 316 5.00E-66 260 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000038184 6596 449.9 UdeM00000038184 XP_045196700.1 59.7 355
 142 1 4 357 54 408 3.00E-123 449.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038183 6596 460.7 UdeM00000038183 XP_045196700.1 56.5 393
 168 2 16 407 18 408 2.00E-126 460.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038185 2607531 1625.9 UdeM00000038185 XP_029654375.1
 59.6 1481 545 17 1 1438 1 1470 0.00E+00 1625.9
 2607531 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000038186 2607531 1619 UdeM00000038186 XP_029654375.1 59.3
 1486 546 18 1 1443 1 1470 0.00E+00 1619 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000038187 2607531 1625.9 UdeM00000038187 XP_029654375.1
 59.6 1481 545 17 1 1438 1 1470 0.00E+00 1625.9
 2607531 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000038188 6565 143.7 UdeM00000038188 XP_022286995.1 64.3 115
 41 0 6 120 16 130 1.60E-31 143.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038189 225164 80.1 UdeM00000038189 XP_009058200.1 37.2
 113 51 1 8 100 103 215 1.80E-12 80.1 225164
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000038190 6596 847 UdeM00000038190 XP_045197728.1 62.3 666
243 4 20 683 23 682 1.70E-242 847 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000038191 6087 491.1 UdeM00000038191 XP_012555323.1 43.9 761
298 14 1 674 1 719 2.30E-135 491.1 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000038192 6087 201.8 UdeM00000038192 XP_012555323.1 44 364
128 7 1 333 1 319 1.60E-48 201.8 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000038193 6596 220.7 UdeM00000038193 XP_045166746.1 52.5 200
92 1 1 200 419 615 1.70E-54 220.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000038194 6573 82.8 UdeM00000038194 XP_021349370.1 52.9 102
36 2 2 91 366 467 3.20E-13 82.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038195 6087 160.2 UdeM00000038195 XP_012555323.1 27.3 506
175 9 1 327 228 719 4.60E-36 160.2 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000038196 6087 442.2 UdeM00000038196 XP_012555323.1 44.3 612
265 12 3 562 132 719 1.00E-120 442.2 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000038197 6573 422.5 UdeM00000038197 XP_021362787.1 70.9 289
83 1 1117 1404 170 458 2.00E-114 422.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038197 6573 275 UdeM00000038197 XP_021362787.1 75.9 166
40 0 3 168 4 169 5.20E-70 275 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038198 1529436 112.5 UdeM00000038198 XP_033111987.1 55.7
88 39 0 3 90 20 107 3.00E-22 112.5 1529436

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co matulinae;Anneissia;Anneissia japonica

UdeM00000038199 6526 70.1 UdeM00000038199 XP_013092967.1 45.1 82
37 2 31 104 103 184 1.90E-09 70.1 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000038200 6500 314.7 UdeM00000038200 XP_035827656.1 90.3 175
17 0 1 175 78 252 7.50E-83 314.7 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000038201 6596 445.3 UdeM00000038201 XP_045198061.1 73.7 316
77 4 1 316 175 484 6.60E-122 445.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038202 400727 414.8 UdeM00000038202 XP_025098705.1 43.8
468 256 5 39 503 29 492 1.50E-112 414.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038203 400727 421.4 UdeM00000038203 XP_025098454.1 43.2
493 274 6 1 490 8 497 1.60E-114 421.4 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038204 400727 418.7 UdeM00000038204 XP_025098454.1 43.3
496 269 7 1 490 8 497 1.00E-113 418.7 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038205 400727 312 UdeM00000038205 XP_025098454.1 41.4
389 222 6 1 386 8 393 1.20E-81 312 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038206 6573 189.5 UdeM00000038206 XP_021366217.1 23.6 639
433 18 1 624 30 628 1.30E-44 189.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038209 6596 294.3 UdeM00000038209 XP_045199179.1 70 203
60 1 20 222 20 221 1.30E-76 294.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038208 6596 312.4 UdeM00000038208 XP_045199179.1 69.7 218
65 1 1 218 5 221 4.60E-82 312.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038210 6945 118.2 UdeM00000038210 XP_040070823.2 31.5 273
 86 3 1 174 60 330 1.10E-23 118.2 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000038211 6596 611.3 UdeM00000038211 XP_045197704.1 80.8 355
 68 0 3 357 26 380 7.80E-172 611.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038212 6596 797.3 UdeM00000038212 XP_045197837.1 51.1 839
 334 23 29 814 110 925 1.80E-227 797.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038213 1735272 84 UdeM00000038213 XP_041354954.1 45.3
 95 49 2 17 109 4 97 1.90E-13 84 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038214 6596 203 UdeM00000038214 XP_045198084.1 50.3 195
 94 1 1 195 164 355 5.50E-49 203 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038215 6500 162.9 UdeM00000038215 XP_035827215.1 59.7 134
 53 1 4 136 5 138 4.40E-37 162.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000038216 6596 275 UdeM00000038216 XP_045160724.1 38.3 397
 224 7 29 418 38 420 1.80E-70 275 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038217 7574 435.3 UdeM00000038217 XP_013383630.1 47.9 413
 208 4 6 414 2 411 9.40E-119 435.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000038218 6596 575.5 UdeM00000038218 XP_045197448.1 39.1 851
 442 15 2 835 5 796 1.10E-160 575.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038219 6596 300.8 UdeM00000038219 XP_045197453.1 84.4 212
 33 0 1 212 1 212 1.30E-78 300.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038220 6596 443.7 UdeM00000038220 XP_045197451.1 57.9 416
 159 8 1 409 1 407 2.50E-121 443.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038221 6596 155.2 UdeM00000038221 XP_045196424.1 31.5 324
 94 7 40 359 32 231 1.70E-34 155.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038222 6596 394.8 UdeM00000038222 XP_045196424.1 49.6 403
 147 5 1 394 240 595 1.80E-106 394.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038223 46731 70.9 UdeM00000038223 XP_027046674.1 39.1 92
 55 1 1 91 412 503 1.60E-09 70.9 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000038224 6596 620.9 UdeM00000038224 XP_045196956.1 62.1 509
 190 2 2 510 5 510 1.40E-174 620.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038225 6579 460.3 UdeM00000038225 XP_033739605.1 46.2 574
 271 12 4 566 1 547 3.50E-126 460.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038227 29159 415.2 UdeM00000038227 XP_011450666.1 75.4 252
 62 0 1 252 1 252 5.80E-113 415.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038226 29159 409.8 UdeM00000038226 XP_011450666.1 74.6 252
 64 0 1 252 1 252 2.40E-111 409.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038228 29159 391 UdeM00000038228 XP_011450666.1 62.3 305
 62 1 1 305 1 252 1.40E-105 391 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038231 225164 104.8 UdeM00000038231 XP_009048247.1 42.7
124 65 1 20 143 106 223 9.60E-20 104.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000038232 6573 132.1 UdeM00000038232 XP_021369338.1 44.1 170
76 3 2 163 84 242 8.40E-28 132.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038233 7574 130.6 UdeM00000038233 XP_013395448.1 49.3 134
61 1 31 164 117 243 2.00E-27 130.6 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000038234 7574 117.5 UdeM00000038234 XP_013395448.1 42.9 154
41 1 28 181 114 220 1.80E-23 117.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000038235 1735272 738.8 UdeM00000038235 XP_041352529.1 65.7
510 167 3 1 508 1 504 8.00E-210 738.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038236 1735272 290.8 UdeM00000038236 XP_041350978.1 51.7
230 111 0 2 231 148 377 1.60E-75 290.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038237 7725 146 UdeM00000038237 XP_039263221.1 62.5 112
42 0 2 113 9 120 3.90E-32 146 7725 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
clava

UdeM00000038238 7725 141.4 UdeM00000038238 XP_039263221.1 61.6 112
43 0 2 113 9 120 9.70E-31 141.4 7725 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
clava

UdeM00000038242 7668 117.1 UdeM00000038242 XP_030832292.1 37.7 167
92 4 2 165 257 414 2.20E-23 117.1 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus

UdeM00000038245 218467 171.4 UdeM00000038245 XP_023235990.1 56.8
146 57 1 9 154 11 150 9.20E-40 171.4 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000038247 6596 306.6 UdeM00000038247 XP_045197413.1 84.9 166
25 0 1 166 22 187 1.90E-80 306.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038246 6596 426.4 UdeM00000038246 XP_045197413.1 90.8 218
20 0 1 218 22 239 2.20E-116 426.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038248 2607531 233.8 UdeM00000038248 XP_036367817.1 71.5
165 42 3 21 181 274 437 1.70E-58 233.8 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000038249 6596 682.9 UdeM00000038249 XP_045198660.1 69.6 480
135 1 1 469 1 480 4.80E-193 682.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038250 1735272 459.1 UdeM00000038250 XP_041361500.1 53.6
431 167 7 1 405 30 453 6.70E-126 459.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038252 6596 190.7 UdeM00000038252 XP_045197354.1 56.8 162
66 3 1 161 342 500 1.50E-45 190.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038251 1735272 433.3 UdeM00000038251 XP_041361500.1 47
504 184 12 1 440 1 485 3.60E-118 433.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038253 1735272 542.3 UdeM00000038253 XP_041361500.1 54.6
504 203 11 7 503 1 485 6.30E-151 542.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038254 1735272 548.1 UdeM00000038254 XP_041361500.1 54
504 209 9 482 981 1 485 2.20E-152 548.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038255 1735272 531.2 UdeM00000038255 XP_041361500.1 52.3
497 216 8 13 505 6 485 1.50E-147 531.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038256 1735272 521.2 UdeM00000038256 XP_041361500.1 51.7
497 218 9 14 504 5 485 1.50E-144 521.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038257 6596 174.9 UdeM00000038257 XP_045195869.1 36.8 234
146 1 188 419 4 237 2.20E-40 174.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000038258 6565 99.4 UdeM00000038258 XP_022296401.1 44 100
55 1 9 107 22 121 4.80E-18 99.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038259 6596 290 UdeM00000038259 XP_045182575.1 49.3 298
141 4 24 314 7 301 3.50E-75 290 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000038260 6596 260 UdeM00000038260 XP_045198313.1 46.2 351
165 9 222 557 714 1055 6.90E-66 260 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000038261 6596 610.9 UdeM00000038261 XP_045198313.1 69.4 445
129 5 1 441 8 449 1.30E-171 610.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000038263 6596 285.8 UdeM00000038263 XP_045196601.1 52.8 303
123 8 3 291 4 300 6.20E-74 285.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000038262 6596 578.6 UdeM00000038262 XP_045196601.1 52.3 637
241 15 3 584 4 632 1.10E-161 578.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038264 134920 62.8 UdeM00000038264 XP_037341796.1 46
63 33 1 19 81 612 673 2.40E-07 62.8 134920
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioid
ei;Gasterosteales;Gasterosteidae;Pungitius;Pungitius pungitius

UdeM00000038265 6596 64.3 UdeM00000038265 XP_045198470.1 54.7 53
24 0 4 56 27 79 9.80E-08 64.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038266 6596 222.6 UdeM00000038266 XP_045198470.1 46.2 266
63 2 13 278 36 221 6.10E-55 222.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038267 6596 237.3 UdeM00000038267 XP_045174418.1 34.6 396
232 8 18 389 21 413 3.70E-59 237.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038268 1735272 389.4 UdeM00000038268 XP_041359064.1 54.9
346 155 1 62 407 63 407 5.50E-105 389.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038269 1735272 329.3 UdeM00000038269 XP_041352576.1 65.4
254 88 0 1 254 1 254 4.20E-87 329.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038280 1826170 71.6 UdeM00000038280 YP_009254794.1 21.8
362 254 8 3 355 497 838 4.10E-09 71.6 1826170

Viruses;Varidnaviria;Bamfordvirae;Nucleocytoviricota;Megaviricetes;
Pimascovirales;Marseilleviridae;Marseillevirus;unclassified
Marseillevirus;Tokyovirus A1

UdeM00000038283 1735272 169.9 UdeM00000038283 XP_041350636.1 38.5
330 94 5 21 246 5060 5384 4.50E-39 169.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038284 6500 85.9 UdeM00000038284 XP_005099547.2 77.2 92
21 0 297 388 2233 2324 2.60E-13 85.9 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000038286 1735272 398.7 UdeM00000038286 XP_041350636.1 81.6
244 44 1 1 244 5203 5445 5.50E-108 398.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000038285 6596 1816.6 UdeM00000038285 XP_045198301.1 37.6
3541 1600 60 15 3526 2130 5090 0.00E+00 1816.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038287 6565 173.3 UdeM00000038287 XP_022308193.1 57.1 133
56 1 1 133 423 554 2.10E-40 173.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038288 6596 340.5 UdeM00000038288 XP_045195279.1 41.4 435
208 5 11 401 8 439 2.90E-90 340.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038290 6596 184.5 UdeM00000038290 XP_045198301.1 56.9 153
65 1 1 153 1974 2125 1.00E-43 184.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038289 6596 2741.5 UdeM00000038289 XP_045198301.1 63.9
2146 680 20 13 2120 36 2125 0.00E+00 2741.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038291 29159 417.5 UdeM00000038291 XP_034335340.1 64.9 387
86 20 2 366 4 362 2.00E-113 417.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038292 6596 198.7 UdeM00000038292 XP_045161545.1 61.3 150
58 0 39 188 71 220 6.50E-48 198.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000021075 6596 533.9 UdeM00000021075 XP_045214499.1 74.1 359
69 1 1 335 1 359 1.50E-148 533.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021076 6596 388.3 UdeM00000021076 XP_045214502.1 64.9 291
99 2 4 292 5 294 8.90E-105 388.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021077 29159 635.6 UdeM00000021077 XP_034314576.1 53.4 650
287 6 1 638 1 646 6.90E-179 635.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021078 6596 155.6 UdeM00000021078 XP_045214176.1 71.7 92
26 0 1 92 1 92 3.10E-35 155.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021079 6596 155.6 UdeM00000021079 XP_045214176.1 71.7 92
26 0 1 92 1 92 3.10E-35 155.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021080 6526 110.2 UdeM00000021080 XP_013076949.1 65.3 72
25 0 1 72 1 72 1.40E-21 110.2 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biophalaria;Biophalaria glabrata

UdeM00000021081 6596 155.6 UdeM00000021081 XP_045214176.1 71.7 92
26 0 1 92 1 92 3.10E-35 155.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021082 6573 140.2 UdeM00000021082 XP_021362441.1 62.7 102
38 0 10 111 21 122 2.10E-30 140.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021083 6596 481.5 UdeM00000021083 XP_045213349.1 64 369
122 1 101 469 117 474 1.30E-132 481.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021084 6596 296.2 UdeM00000021084 XP_045211903.1 58 262
69 3 2 222 3 264 3.50E-77 296.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021085 6596 242.3 UdeM00000021085 XP_045211898.1 38.2 408
 194 9 36 400 2 394 1.10E-60 242.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021086 29159 233.8 UdeM00000021086 XP_011426852.3 42.2 289
 151 3 47 334 18 291 3.50E-58 233.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021087 7757 163.7 UdeM00000021087 XP_032823235.1 47.6 168
 84 2 1 166 21 186 2.00E-37 163.7 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000021088 6596 312 UdeM00000021088 XP_045210915.1 47 385
 183 8 1 380 1 369 1.10E-81 312 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021089 6596 270.8 UdeM00000021089 XP_045210915.1 49.8 303
 139 5 8 310 80 369 2.20E-69 270.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021092 6596 1257.7 UdeM00000021092 XP_045210979.1 40.5
 1656 920 19 1 1628 14 1631 0.00E+00 1257.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021093 400727 676 UdeM00000021093 XP_025091136.1 82.3
 389 69 0 2 390 20 408 2.80E-191 676 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000021094 77166 109.4 UdeM00000021094 XP_019767749.1 48.8 121
 51 3 11 130 19 129 7.10E-21 109.4 77166 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Curculionoidea;Curculionidae;Scolytinae;Dendroctonus;Dendroctonu
 s ponderosae
 UdeM00000021095 6579 534.3 UdeM00000021095 XP_033752149.1 56.6 417
 173 3 13 423 57 471 1.50E-148 534.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000021096 6565 387.1 UdeM00000021096 XP_022319786.1 44.9 445
230 7 30 470 48 481 3.30E-104 387.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000021097 6596 455.7 UdeM00000021097 XP_045212491.1 62.7 381
128 4 1 373 1 375 5.80E-125 455.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000021098 1735272 325.1 UdeM00000021098 XP_041363526.1 92.6
176 13 0 1 176 1 176 6.10E-86 325.1 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000021099 151771 345.5 UdeM00000021099 XP_028408207.1 38.5
483 255 5 37 480 125 604 1.10E-91 345.5 151771
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Octocorallia; Alcyonacea; Alcyoniina; Nephtheidae; Dendronephthya; Dendronephthya gigantea
UdeM00000021100 6579 729.9 UdeM00000021100 XP_033749555.1 56.3 695
266 8 1 675 1 677 2.90E-207 729.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000021101 6596 1066.6 UdeM00000021101 XP_045214168.1 66.9
794 247 5 4 790 2 786 0.00E+00 1066.6 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000021102 400727 362.5 UdeM00000021102 XP_025085165.1 49.7
384 184 4 1 379 4 383 6.80E-97 362.5 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000021103 6573 628.2 UdeM00000021103 XP_021348686.1 50.2 598
294 3 9 604 8 603 1.00E-176 628.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000021104 6573 93.6 UdeM00000021104 XP_021348687.1 23.4 572
252 13 1 571 1 387 9.00E-16 93.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000021106 400727 276.6 UdeM00000021106 XP_025100196.1 51.4
 243 112 3 43 279 33 275 3.60E-71 276.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000021108 29159 419.1 UdeM00000021108 XP_011454370.2 53.6 386
 169 4 2 383 11 390 6.30E-114 419.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021109 29159 442.2 UdeM00000021109 XP_011454370.2 54.8 385
 168 2 3 384 10 391 6.80E-121 442.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021110 6596 92.4 UdeM00000021110 XP_045213797.1 47.6 103
 54 0 6 108 550 652 4.90E-16 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021111 7719 85.1 UdeM00000021111 XP_026695276.1 38.2 102
 63 0 36 137 2 103 8.10E-14 85.1 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis
 UdeM00000021112 6596 92 UdeM00000021112 XP_045213797.1 47.6 103
 54 0 6 108 550 652 6.40E-16 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021113 7719 85.1 UdeM00000021113 XP_026695276.1 38.2 102
 63 0 36 137 2 103 8.10E-14 85.1 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis
 UdeM00000021114 6596 90.1 UdeM00000021114 XP_045213797.1 46.6 103
 55 0 6 108 550 652 2.40E-15 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021115 6579 282.3 UdeM00000021115 XP_033739301.1 42.6 441
 216 13 27 462 52 460 1.10E-72 282.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021116 6579 390.2 UdeM00000021116 XP_033739301.1 48.9 507
 195 19 1 480 1 470 3.80E-105 390.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021117 6596 417.5 UdeM00000021117 XP_045213793.1 73.1 312
 75 6 1 308 1 307 1.40E-113 417.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021119 6596 306.2 UdeM00000021119 XP_045214738.1 34.2 623
 221 14 1 514 1 543 1.20E-79 306.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021122 6596 120.9 UdeM00000021122 XP_045213429.1 37.8 230
 135 6 1 227 20 244 3.60E-24 120.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021123 6596 131.7 UdeM00000021123 XP_045213426.1 45.1 162
 76 3 4 164 10 159 2.90E-27 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021124 1735272 204.9 UdeM00000021124 XP_041354738.1 41.8
 261 105 2 5 265 2 215 1.30E-49 204.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021125 6596 336.3 UdeM00000021125 XP_045214812.1 42 455
 237 6 35 483 205 638 6.60E-89 336.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021126 6596 139 UdeM00000021126 XP_045214777.1 52.6 114
 51 1 1 114 7 117 3.80E-30 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021127 6596 761.1 UdeM00000021127 XP_045212675.1 67 554
 177 3 5 556 11 560 9.50E-217 761.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021128 6596 181 UdeM00000021128 XP_045212675.1 67.2 131
 38 2 3 132 434 560 9.70E-43 181 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021131 6596 588.2 UdeM00000021131 XP_045212665.1 72.7 407
 108 1 42 445 814 1220 8.90E-165 588.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021132 29159 129 UdeM00000021132 XP_011431548.2 57.4 122
 46 1 16 131 597 718 4.90E-27 129 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021133 6596 368.6 UdeM00000021133 XP_045212662.1 44.1 739
 351 13 16 724 14 720 1.80E-98 368.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021134 37653 264.6 UdeM00000021134 XP_014785553.1 37.1 407
 244 6 9 413 7 403 2.10E-67 264.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000021135 400727 352.4 UdeM00000021135 XP_025101079.1 64.2
 430 112 17 46 456 1 407 8.40E-94 352.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000021136 6596 324.7 UdeM00000021136 XP_045212960.1 66.2 408
 97 13 61 452 29 411 1.90E-85 324.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021137 6596 351.3 UdeM00000021137 XP_045212966.1 66.2 385
 89 15 1 362 19 385 1.50E-93 351.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021138 6596 318.9 UdeM00000021138 XP_045210769.1 78.4 190
 40 1 1 190 81 269 4.90E-84 318.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021139 6596 226.9 UdeM00000021139 XP_045213624.1 38.7 349
 198 5 1095 1429 2351 2697 1.70E-55 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021140 6579 131 UdeM00000021140 XP_033747455.1 50.4 117
 57 1 9 125 8 123 1.40E-27 131 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021141 6596 310.1 UdeM00000021141 XP_045214939.1 65.2 221
76 1 1 221 651 870 2.30E-81 310.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021142 6579 560.1 UdeM00000021142 XP_033751367.1 44.8 647
322 7 1 621 1 638 3.60E-156 560.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021143 6579 118.6 UdeM00000021143 XP_033739043.1 25.5 705
384 23 3 653 1 618 6.70E-23 118.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021144 1735272 929.9 UdeM00000021144 XP_041364413.1 47.7
1057 464 13 675 1716 1957 2939 4.80E-267 929.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021145 1735272 350.5 UdeM00000021145 XP_041364413.1 44.1
449 176 4 1 440 2557 2939 3.10E-93 350.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021146 6596 255.4 UdeM00000021146 XP_045195103.1 35.9 404
246 3 28 424 44 441 1.30E-64 255.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021147 6596 277.7 UdeM00000021147 XP_045195103.1 35.8 419
255 5 14 425 30 441 2.50E-71 277.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021149 1735272 1508 UdeM00000021149 XP_041362851.1 74.3
981 201 4 15 994 78 1008 0.00E+00 1508 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021150 1735272 1529.2 UdeM00000021150 XP_041362851.1
78.1 933 201 3 15 946 78 1008 0.00E+00 1529.2
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000021151 6579 292 UdeM00000021151 XP_033742519.1 53 281
 127 4 1 276 1 281 8.90E-76 292 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000021152 29159 156.8 UdeM00000021152 XP_034313464.1 46.1 206
 95 5 12 207 315 514 3.10E-35 156.8 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000021153 6596 283.1 UdeM00000021153 XP_045214350.1 34.8 397
 250 5 114 507 8 398 7.50E-73 283.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000021154 29159 273.1 UdeM00000021154 XP_011429276.2 41.5 364
 211 2 1 363 1 363 5.20E-70 273.1 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000021155 6573 289.3 UdeM00000021155 XP_021361562.1 41.7 374
 207 6 1 364 1 373 7.00E-75 289.3 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000021156 6596 609 UdeM00000021156 XP_045214272.1 52.3 688
 303 7 27 697 14 693 7.80E-171 609 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000021158 6573 609.8 UdeM00000021158 XP_021353909.1 56.6 825
 355 2 7 831 4 825 5.30E-171 609.8 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000021157 6573 716.5 UdeM00000021157 XP_021353909.1 52.8 1062
 463 13 7 1054 4 1041 5.10E-203 716.5 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000021159 6596 159.8 UdeM00000021159 XP_045214279.1 48.1 233
 102 10 16 244 826 1043 4.30E-36 159.8 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000021160 6573 186 UdeM00000021160 XP_021353910.1 37.2 277
 171 2 65 338 1 277 1.20E-43 186 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000021161 7897 205.7 UdeM00000021161 XP_006010935.1 44.4 266
142 2 1 260 1 266 7.20E-50 205.7 7897 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Coelacanthimorpha; Coelacanthiformes; Coelacanthidae; Latimeria; Latimeria chalumnae

UdeM00000021162 225164 124.8 UdeM00000021162 XP_009050694.1 54.3
92 42 0 24 115 54 145 7.40E-26 124.8 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000021163 6596 416.8 UdeM00000021163 XP_045214952.1 64.8 366
110 3 3 350 43 407 2.80E-113 416.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021164 6596 419.5 UdeM00000021164 XP_045214953.1 64.5 372
112 4 17 369 5 375 4.60E-114 419.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021165 6596 911 UdeM00000021165 XP_045214957.1 44.6 1457
573 29 7 1388 6 1303 1.90E-261 911 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021166 29159 131.7 UdeM00000021166 XP_011429569.1 74.5 102
18 4 1 97 3 101 7.10E-28 131.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000021167 29159 282.3 UdeM00000021167 XP_011429574.1 51.2 342
139 9 32 363 45 368 8.90E-73 282.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000021168 29159 421.8 UdeM00000021168 XP_034314805.1 65 286
100 0 1 286 55 340 7.50E-115 421.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000021169 400727 220.3 UdeM00000021169 XP_025093039.1 73.8
130 34 0 1 130 37 166 1.50E-54 220.3 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000021170 45264 361.3 UdeM00000021170 XP_044165143.1 45.6 443
 175 6 27 407 35 473 1.60E-96 361.3 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000021171 45264 214.5 UdeM00000021171 XP_044184031.1 43.5 278
 127 7 1 252 213 486 1.50E-52 214.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000021172 45264 122.1 UdeM00000021172 XP_044184709.1 46.8 126
 67 0 42 167 16 141 1.30E-24 122.1 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000021173 6596 720.3 UdeM00000021173 XP_045213772.1 67.4 820
 207 14 1 802 1 778 2.70E-204 720.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021174 6596 723.4 UdeM00000021174 XP_045213772.1 67.5 819
 207 13 1 801 1 778 3.20E-205 723.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021175 6596 725.7 UdeM00000021175 XP_045213772.1 68.4 809
 206 14 1 790 1 778 6.30E-206 725.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021176 6596 460.7 UdeM00000021176 XP_045213771.1 48.1 999
 467 15 1 970 1 977 4.70E-126 460.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021177 1735272 366.7 UdeM00000021177 XP_041363952.1 42.9
 485 226 12 20 499 51 489 4.70E-98 366.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021178 37653 325.1 UdeM00000021178 XP_014784508.1 54.6 280
 126 1 1 279 516 795 1.00E-85 325.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000021179 1735272 418.3 UdeM00000021179 XP_041363738.1 54.1
 390 171 4 4 388 7 393 1.10E-113 418.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000021180 6579 738.4 UdeM00000021180 XP_033743286.1 57.8 650
 251 9 1 638 1 639 7.90E-210 738.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000021181 6565 203.8 UdeM00000021181 XP_022317383.1 80.5 123
 24 0 1 123 1 123 1.30E-49 203.8 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000021182 6105 421.8 UdeM00000021182 XP_031566940.1 67.6 284
 92 0 443 726 111 394 1.80E-114 421.8 6105 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa-
 corallia; Actiniaria; Actiniidae; Actinia; Actinia tenebrosa
 UdeM00000021183 6105 421.8 UdeM00000021183 XP_031566940.1 67.6 284
 92 0 446 729 111 394 1.80E-114 421.8 6105 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa-
 corallia; Actiniaria; Actiniidae; Actinia; Actinia tenebrosa
 UdeM00000021184 6596 512.7 UdeM00000021184 XP_045213221.1 64.5 377
 130 2 8 380 12 388 4.00E-142 512.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000021185 6579 665.2 UdeM00000021185 XP_033746531.1 54.3 634
 279 4 22 652 13 638 8.40E-188 665.2 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000021186 6596 146.4 UdeM00000021186 XP_045213127.1 29.6 538
 257 19 1 464 29 518 1.30E-31 146.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000021187 6596 420.2 UdeM00000021187 XP_045213134.1 43.5 614
 219 20 21 544 849 1424 4.50E-114 420.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000021188 6596 265.4 UdeM00000021188 XP_045213142.1 27 1204
 623 45 5 1147 268 1276 3.60E-67 265.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000021189 6596 454.1 UdeM00000021189 XP_045213114.1 54.7 561
 200 14 39 586 1617 2136 2.60E-124 454.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021190 6579 164.5 UdeM00000021190 XP_033749002.1 54.8 126
 56 1 25 149 987 1112 1.10E-37 164.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021191 6596 368.2 UdeM00000021191 XP_045213147.1 34.1 871
 469 24 6 830 6 817 2.80E-98 368.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021192 6596 201.4 UdeM00000021192 XP_045214186.1 55.2 183
 78 3 7 185 9 191 1.10E-48 201.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021193 6596 425.6 UdeM00000021193 XP_045214187.1 56.6 357
 151 2 1 357 1 353 6.10E-116 425.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021195 29159 94.7 UdeM00000021195 XP_011419402.2 34.8 132
 82 2 86 215 189 318 1.50E-16 94.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021196 6573 695.7 UdeM00000021196 XP_021358783.1 36 1360
 428 28 872 2200 643 1591 1.90E-196 695.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021197 45264 141 UdeM00000021197 XP_044165535.1 40.8 174
 98 2 153 321 351 524 2.90E-30 141 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
 Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora
 UdeM00000021199 6565 110.2 UdeM00000021199 XP_022299727.1 34.5 226
 79 4 1 158 46 270 2.50E-21 110.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021200 6596 604 UdeM00000021200 XP_045212416.1 54.7 576
 232 7 126 679 186 754 2.40E-169 604 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021201 6573 244.6 UdeM00000021201 XP_021363754.1 76 150
 36 0 11 160 14 163 9.60E-62 244.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000021202 6596 432.6 UdeM00000021202 XP_045212656.1 58.3 369
152 2 1 368 1 368 5.20E-118 432.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021203 6596 186.4 UdeM00000021203 XP_045212658.1 94.4 89
5 0 1 89 42 130 1.60E-44 186.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021204 6579 766.5 UdeM00000021204 XP_033739131.1 55.7 645
244 3 1 604 726 1369 2.50E-218 766.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000021205 37653 279.3 UdeM00000021205 XP_014774580.1 53.8 251
115 1 6 255 13 263 5.20E-72 279.3 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000021206 6579 339 UdeM00000021206 XP_033746850.1 61.5 322
110 7 1 314 1 316 6.70E-90 339 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000021207 6596 458.8 UdeM00000021207 XP_045210940.1 55.4 646
245 15 41 668 317 937 1.20E-125 458.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021208 6596 313.2 UdeM00000021208 XP_045189231.1 79.9 174
35 0 113 286 9 182 3.60E-82 313.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021209 6596 90.5 UdeM00000021209 XP_045188187.1 23.8 345
215 6 30 354 61 377 4.70E-15 90.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021210 6596 88.2 UdeM00000021210 XP_045188187.1 23.8 319
195 5 30 302 61 377 2.00E-14 88.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021211 6596 83.6 UdeM00000021211 XP_045188187.1 22.7 335
 231 6 30 354 61 377 5.70E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021212 6596 92 UdeM00000021212 XP_045188187.1 24.1 345
 214 6 30 354 61 377 1.60E-15 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021213 6596 94 UdeM00000021213 XP_045188187.1 24.3 345
 213 6 30 354 61 377 4.20E-16 94 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021214 6596 95.5 UdeM00000021214 XP_045188187.1 23.9 343
 230 6 23 353 54 377 1.40E-16 95.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021216 6596 514.2 UdeM00000021216 XP_045213887.1 29.9 1154
 736 21 146 1272 2735 3842 4.70E-142 514.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021217 6596 168.7 UdeM00000021217 XP_045213887.1 23.1 875
 483 21 2 717 1705 2548 3.00E-38 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021218 6596 146.7 UdeM00000021218 XP_045166258.1 46.9 160
 80 2 2 161 103 257 2.50E-32 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021219 6596 715.7 UdeM00000021219 XP_045213887.1 28.9 1811
 1133 36 559 2250 2030 3805 1.90E-202 715.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021220 6596 544.7 UdeM00000021220 XP_045210767.1 38.7 911
 493 16 1 893 1 864 3.30E-151 544.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021221 29159 496.1 UdeM00000021221 XP_034311814.1 32.9 1148
 682 29 27 1134 240 1339 1.20E-136 496.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021222 6565 261.9 UdeM00000021222 XP_022313030.1 33.1 635
 362 18 2 607 744 1344 2.00E-66 261.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021223 6573 376.7 UdeM00000021223 XP_021353850.1 37.4 697
 386 19 51 721 42 714 6.60E-101 376.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021224 6579 846.7 UdeM00000021224 XP_033730834.1 33.9 1868
 1134 44 47 1870 69 1880 5.80E-242 846.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021225 8078 63.2 UdeM00000021225 XP_035985927.1 28.7 188
 112 4 32 197 122 309 5.90E-07 63.2 8078 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus
 heteroclitus
 UdeM00000021226 6565 853.2 UdeM00000021226 XP_022313025.1 33.5 1915
 1166 49 31 1899 32 1885 6.30E-244 853.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021228 29159 246.9 UdeM00000021228 XP_019926261.2 24.5 931
 444 17 6 684 631 1554 7.90E-62 246.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021227 29159 246.9 UdeM00000021227 XP_019926261.2 24.5 931
 444 17 21 699 631 1554 8.10E-62 246.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021229 6596 182.2 UdeM00000021229 XP_045212957.1 36 356
 217 7 17 367 9 358 1.30E-42 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021231 6573 191.4 UdeM00000021231 XP_021376378.1 26.1 620
 303 16 6 480 1961 2570 2.60E-45 191.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000021230 6573 191.4 UdeM00000021230 XP_021376378.1 26.1 620
303 16 21 495 1961 2570 2.70E-45 191.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000021232 6596 182.6 UdeM00000021232 XP_045212957.1 36 356
217 7 17 367 9 358 1.00E-42 182.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021233 29159 371.7 UdeM00000021233 XP_019926261.2 30.3 913
547 20 1 883 700 1553 2.70E-99 371.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000021234 6596 297 UdeM00000021234 XP_045213887.1 28 922
569 29 235 1072 2030 2940 9.90E-77 297 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021235 6596 226.1 UdeM00000021235 XP_045211190.1 34 415
254 7 21 429 18 418 8.60E-56 226.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021236 6526 181.8 UdeM00000021236 XP_013064169.1 34.8 362
223 7 31 389 16 367 1.70E-42 181.8 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata
UdeM00000021237 6596 234.6 UdeM00000021237 XP_045211193.1 33.3 433
267 9 4 431 15 430 2.40E-58 234.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021238 6596 129.4 UdeM00000021238 XP_045212957.1 29.6 351
179 10 22 306 14 362 8.40E-27 129.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021239 6596 242.7 UdeM00000021239 XP_045211190.1 33.3 411
258 5 24 431 21 418 8.90E-61 242.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021240 6596 246.9 UdeM00000021240 XP_045211190.1 34.1 411
 255 6 24 431 21 418 4.70E-62 246.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021241 29159 408.7 UdeM00000021241 XP_034312641.1 63.5 288
 105 0 17 304 8 295 6.60E-111 408.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021242 6579 560.8 UdeM00000021242 XP_033753310.1 79.6 323
 66 0 1 323 1 323 1.10E-156 560.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021243 6596 876.7 UdeM00000021243 XP_045211544.1 80.9 555
 58 1 1 555 33 539 1.60E-251 876.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021244 6596 446.4 UdeM00000021244 XP_045212308.1 94 234
 14 0 47 280 44 277 2.60E-122 446.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021245 1735272 1030.4 UdeM00000021245 XP_041363220.1
 59 846 327 3 3 848 10 835 1.30E-297 1030.4
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021246 6596 468.4 UdeM00000021246 XP_045212310.1 65.4 364
 115 6 1 359 19 376 8.40E-129 468.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021247 6573 332.4 UdeM00000021247 XP_021341851.1 54.8 281
 124 1 39 316 846 1126 6.30E-88 332.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021248 6573 167.9 UdeM00000021248 XP_021355249.1 47.3 182
 92 1 2 183 96 273 1.20E-38 167.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021249 34632 292.7 UdeM00000021249 XP_037502272.1 25.5 1048
 676 29 114 1111 569 1561 2.10E-75 292.7 34632 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo

rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Rhipicephalus;Rhipicephalus sanguineus group;Rhipicephalus sanguineus
 UdeM00000021251 1735272 697.2 UdeM00000021251 XP_041363084.1 84
 399 64 0 10 408 9 407 1.20E-197 697.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021252 291302 245.4 UdeM00000021252 XP_016051016.1 74.5
 149 38 0 13 161 21 169 5.60E-62 245.4 291302
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Laurasiatheria;Chiroptera;Microchiroptera;Vespertilionidae;Miniopterinae;Miniopterus;Miniopterus natalensis
 UdeM00000021253 6596 276.2 UdeM00000021253 XP_045177072.1 41.4 326
 189 2 17 341 107 431 5.80E-71 276.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021255 6573 138.3 UdeM00000021255 XP_021375695.1 49.2 132
 65 1 4 133 6 137 7.30E-30 138.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021254 6579 249.6 UdeM00000021254 XP_033734624.1 54.5 220
 98 1 4 221 5 224 4.10E-63 249.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021256 1735272 820.1 UdeM00000021256 XP_041363097.1 52.9
 762 342 4 1 753 3 756 2.40E-234 820.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021258 6565 74.7 UdeM00000021258 XP_022287521.1 37.1 143
 72 6 6 146 187 313 1.10E-10 74.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021257 6573 101.3 UdeM00000021257 XP_021376724.1 36.3 193
 80 5 6 172 153 328 1.30E-18 101.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021259 1735272 609.8 UdeM00000021259 XP_041363097.1 55.9
 540 221 4 58 588 225 756 3.80E-171 609.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021260 6579 310.8 UdeM00000021260 XP_033734624.1 67.4 224
 72 1 90 312 827 1050 1.90E-81 310.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021261 6596 536.6 UdeM00000021261 XP_045211572.1 64.4 393
 134 3 21 413 69 455 2.80E-149 536.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021262 6596 292 UdeM00000021262 XP_045212517.1 50.5 279
 137 1 2 279 4 282 8.40E-76 292 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021263 6596 518.5 UdeM00000021263 XP_045156491.1 25.2 1862
 1203 43 651 2377 436 2242 4.60E-143 518.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021264 6573 160.2 UdeM00000021264 XP_021373041.1 69.7 109
 33 0 8 116 237 345 5.00E-36 160.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021266 29159 92 UdeM00000021266 XP_034322284.1 45.2 93
 46 4 2 92 362 451 8.90E-16 92 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021268 441366 165.2 UdeM00000021268 XP_028296753.1 38.8
 255 146 7 6 258 32 278 1.20E-37 165.2 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoiidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000021269 6596 1632.5 UdeM00000021269 XP_045213258.1 70.4
 1139 335 2 60 1198 2 1138 0.00E+00 1632.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021270 146911 167.2 UdeM00000021270 XP_015285221.1 78.2
 101 22 0 1 101 1022 1122 1.10E-38 167.2 146911
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Gekkota;Gekkonidae;Gekkoninae;Gekko;Gekko japonicus

UdeM00000021271 6573 807.7 UdeM00000021271 XP_021367473.1 66.2 780
264 0 204 983 1158 1937 1.60E-230 807.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021272 6573 807.7 UdeM00000021272 XP_021367473.1 65.9 785
268 0 204 988 1158 1942 1.60E-230 807.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021273 29159 1408.7 UdeM00000021273 XP_034310988.1 79.8
886 144 5 3 880 7 865 0.00E+00 1408.7
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021274 29159 1391.3 UdeM00000021274 XP_034310988.1 75.9
934 142 5 3 928 7 865 0.00E+00 1391.3
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021275 6596 88.6 UdeM00000021275 XP_045212260.1 38.8 85
52 0 1 85 78 162 7.00E-15 88.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021276 29159 100.9 UdeM00000021276 XP_034312519.1 63.1 84
31 0 2 85 228 311 1.00E-18 100.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021277 29159 103.2 UdeM00000021277 XP_034312519.1 63.1 84
31 0 2 85 228 311 2.00E-19 103.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021278 6579 236.5 UdeM00000021278 XP_033742354.1 33 467
292 10 104 559 128 584 1.60E-58 236.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021279 29159 1142.5 UdeM00000021279 XP_011429418.2 73.8
736 193 0 614 1349 654 1389 0.00E+00 1142.5
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021280 29159 1153.7 UdeM00000021280 XP_011429418.2 73.7
 745 196 0 604 1348 645 1389 0.00E+00 1153.7
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021281 29159 1137.1 UdeM00000021281 XP_011429418.2 73.6
 738 193 1 614 1351 654 1389 0.00E+00 1137.1
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021282 6596 595.1 UdeM00000021282 XP_045210639.1 32.2 1536
 968 39 69 1564 17 1518 2.50E-166 595.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021283 6565 630.9 UdeM00000021283 XP_022316199.1 38.1 911
 533 18 1675 2572 350 1242 7.80E-177 630.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021286 6596 248.4 UdeM00000021286 XP_045210636.1 28.8 793
 501 24 5 759 242 1008 2.80E-62 248.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021287 45264 641.7 UdeM00000021287 XP_044179295.1 21.8 4288
 2822 137 1286 5325 30 4035 1.00E-179 641.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000021288 45264 641.7 UdeM00000021288 XP_044179295.1 21.8 4288
 2822 137 1220 5259 30 4035 1.00E-179 641.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000021289 6573 305.1 UdeM00000021289 XP_021359099.1 75.1 205
 45 2 1 200 361 564 6.70E-80 305.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021290 6596 1132.1 UdeM00000021290 XP_045214661.1 89.2
 618 66 1 1 617 1 618 0.00E+00 1132.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021291 1735272 682.9 UdeM00000021291 XP_041364259.1 47.4
 725 352 3 2 725 3 699 4.50E-193 682.9 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021293 6596 1259.2 UdeM00000021293 XP_045213234.1 64.5
1033 341 13 11 1035 30 1044 0.00E+00 1259.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021294 6596 80.5 UdeM00000021294 XP_045211157.1 39.2 120
70 2 1 120 1 117 4.30E-12 80.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021295 6596 388.7 UdeM00000021295 XP_045213242.1 64.4 281
97 2 35 313 1 280 7.30E-105 388.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021296 6596 326.6 UdeM00000021296 XP_045213239.1 65.2 230
77 2 1 228 68 296 2.50E-86 326.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021298 6579 678.3 UdeM00000021298 XP_033756537.1 86.2 377
51 1 74 450 75 450 6.60E-192 678.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021297 6579 678.3 UdeM00000021297 XP_033756537.1 86.2 377
51 1 58 434 75 450 6.30E-192 678.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021301 6573 1333.5 UdeM00000021301 XP_021377219.1 82.4
784 135 2 1 784 1 781 0.00E+00 1333.5 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021302 6596 561.6 UdeM00000021302 XP_045214870.1 71.8 387
104 2 1 385 597 980 7.70E-157 561.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021303 6596 1405.2 UdeM00000021303 XP_045214872.1 71.2
977 272 4 1 972 1 973 0.00E+00 1405.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021304 441366 146.7 UdeM00000021304 XP_028326620.1 40.8
218 119 5 1 217 48 256 3.30E-32 146.7 441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocinae;Gouania;Gouania

willdenowi

UdeM00000021305 6573 474.9 UdeM00000021305 XP_021350620.1 73.3 345
74 5 1 327 1 345 8.00E-131 474.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021306 6573 724.2 UdeM00000021306 XP_021375430.1 45.1 900
407 21 7 887 6 837 2.10E-205 724.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021307 6565 334 UdeM00000021307 XP_022313176.1 95 160
8 0 54 213 1 160 1.50E-88 334 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021308 6596 889.4 UdeM00000021308 XP_045214960.1 58.9 776
291 6 1 773 1 751 3.20E-255 889.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021309 6596 129 UdeM00000021309 XP_045214959.1 22.7 948
554 28 3 901 19 836 3.00E-26 129 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021310 225164 91.7 UdeM00000021310 XP_009065296.1 39.8
176 91 7 594 759 613 783 4.50E-15 91.7 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000021311 6596 302.8 UdeM00000021311 XP_045180074.1 33.9 496
305 11 17 496 75 563 8.30E-79 302.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021312 6596 269.2 UdeM00000021312 XP_045180074.1 33.1 429
269 8 14 429 140 563 8.80E-69 269.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021313 6596 144.8 UdeM00000021313 XP_045214959.1 24.3 847
548 24 4 787 20 836 4.60E-31 144.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021314 225164 73.9 UdeM00000021314 XP_009065296.1 29.5
166 106 3 632 786 618 783 1.00E-09 73.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000021315 6596 97.4 UdeM00000021315 XP_045214959.1 38.9 131
79 1 8 138 19 148 1.70E-17 97.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021316 6565 204.9 UdeM00000021316 XP_022318066.1 72.9 133
36 0 1 133 1 133 6.70E-50 204.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostracida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021317 7574 69.7 UdeM00000021317 XP_013383345.1 35.8 151
85 4 1 141 1 149 3.50E-09 69.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000021318 6596 1986.1 UdeM00000021318 XP_045213481.1 44.6
2483 1199 41 12 2362 78 2515 0.00E+00 1986.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021319 6596 212.6 UdeM00000021319 XP_045213481.1 36.6 361
188 11 1 328 2163 2515 7.50E-52 212.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021321 1735272 348.2 UdeM00000021321 XP_041363807.1 83.3
204 34 0 9 212 299 502 7.40E-93 348.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021320 400727 885.2 UdeM00000021320 XP_025112144.1 89.5
477 50 0 1 477 10 486 3.80E-254 885.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000021322 6596 139 UdeM00000021322 XP_045213480.1 29.6 479
271 17 1 460 1 432 1.50E-29 139 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021323 6596 521.9 UdeM00000021323 XP_045213059.1 65.8 380
128 2 13 390 24 403 6.80E-145 521.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021324 6596 837 UdeM00000021324 XP_045213057.1 68.7 584
178 4 1 581 1 582 1.40E-239 837 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021326 6573 77 UdeM00000021326 XP_021372025.1 29.4 194
89 4 1 147 212 404 2.20E-11 77 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021327 1735272 1154.4 UdeM00000021327 XP_041362296.1
60.9 1031 367 11 13 1035 4 1006 0.00E+00 1154.4
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021328 6565 215.3 UdeM00000021328 XP_022314866.1 46.3 257
91 4 2 221 38 284 1.20E-52 215.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021329 6565 294.7 UdeM00000021329 XP_022314866.1 56.8 257
101 3 2 258 38 284 1.70E-76 294.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021330 1735272 149.4 UdeM00000021330 XP_041363443.1 55.1
118 53 0 3 120 13 130 3.20E-33 149.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021331 1735272 247.7 UdeM00000021331 XP_041363443.1 57.5
193 82 0 8 200 18 210 1.30E-62 247.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021332 6565 325.9 UdeM00000021332 XP_022314865.1 57.5 280
 115 3 23 300 18 295 6.00E-86 325.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021333 6596 1805.8 UdeM00000021333 XP_045210572.1 56.6
 1766 583 30 1 1725 175 1797 0.00E+00 1805.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021334 8175 181.8 UdeM00000021334 XP_030292627.1 55 149
 66 1 9 156 11 159 6.70E-43 181.8 8175 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Spariformes;Sparidae
 ;Sparus;Sparus aurata
 UdeM00000021335 8090 103.6 UdeM00000021335 XP_023812682.1 50.6 87
 43 0 1 87 195 281 1.40E-19 103.6 8090 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
 oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
 latipes
 UdeM00000021337 6596 89.4 UdeM00000021337 XP_045214606.1 24.4 344
 222 10 3 316 6 341 1.00E-14 89.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021338 6596 671 UdeM00000021338 XP_045214606.1 45.4 822
 386 13 7 774 343 1155 1.90E-189 671 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021339 6565 662.1 UdeM00000021339 XP_022318614.1 64.9 479
 162 3 15 492 9 482 5.30E-187 662.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021340 225164 620.9 UdeM00000021340 XP_009060170.1 65.5
 432 148 1 1 431 52 483 1.20E-174 620.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000021341 400727 179.5 UdeM00000021341 XP_025104599.1 64.8
 122 43 0 3 124 2 123 2.70E-42 179.5 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000021342 37653 395.6 UdeM00000021342 XP_014767578.1 69.5 302
31 1 1 302 1 241 9.00E-107 395.6 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000021343 37653 395.6 UdeM00000021343 XP_014767578.1 69.5 302
31 1 1 302 1 241 8.90E-107 395.6 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000021345 6596 1438.3 UdeM00000021345 XP_045213254.1 67.2
1062 330 9 1 1053 1 1053 0.00E+00 1438.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021346 6596 1500 UdeM00000021346 XP_045213254.1 53.2 1489
662 14 1 1475 1074 2541 0.00E+00 1500 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021347 1735272 107.5 UdeM00000021347 XP_041362937.1 58.1
93 39 0 28 120 35 127 1.40E-20 107.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pelto-
spiridae;Gigantopelta;Gigantopelta aegis
UdeM00000021348 6596 469.2 UdeM00000021348 XP_045210946.1 36.2 1055
540 23 1 1042 501 1435 1.40E-128 469.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021349 6596 124.4 UdeM00000021349 XP_045210946.1 40.3 231
127 2 64 283 270 500 3.90E-25 124.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000021350 59861 92.8 UdeM00000021350 XP_041706895.2 62.9 70
26 0 2 71 118 187 1.90E-16 92.8 59861 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;
Euteleostei;Protacanthopterygii;Salmoniformes;Salmonidae;Coregoninae;Coregonus;
Coregonus clupeaformis
UdeM00000021351 6565 200.7 UdeM00000021351 XP_022327962.1 34.4 424
88 4 1 234 295 718 2.10E-48 200.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000021352 6596 219.5 UdeM00000021352 XP_045210946.1 60 165
65 1 1 165 1 164 4.50E-54 219.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000021353 6596 184.5 UdeM00000021353 XP_045202545.1 49 202
77 5 10 186 10 210 1.20E-43 184.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000021354 6596 647.5 UdeM00000021354 XP_045188256.1 52.6 635
262 7 1 627 1 604 2.10E-182 647.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000021355 6596 93.2 UdeM00000021355 XP_045214190.1 84 50
8 0 3 52 46 95 6.20E-16 93.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000021357 6596 528.9 UdeM00000021357 XP_045214183.1 36.7 1059
537 30 1 992 1 993 1.40E-146 528.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000021359 6596 414.8 UdeM00000021359 XP_045213881.1 65.1 321
109 3 16 335 84 402 1.00E-112 414.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000021360 143950 63.5 UdeM00000021360 XP_025423357.1 42.7
75 41 1 19 93 75 147 1.80E-07 63.5 143950
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
phidomorpha;Aphidoidea;Aphididae;Chaitophorinae;Sipha;Sipha flava
UdeM00000021361 6596 728.8 UdeM00000021361 XP_045211977.1 59.1 562
223 3 13 569 12 571 5.40E-207 728.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000021363 37653 108.2 UdeM00000021363 XP_014772743.1 56.2 80
35 0 501 580 9 88 3.60E-20 108.2 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000021364 151771 345.9 UdeM00000021364 XP_028406951.1 36.7
575 321 11 1 559 119 666 9.60E-92 345.9 151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000021365 45264 297 UdeM00000021365 XP_044184028.1 39.9 444
162 5 42 384 68 507 3.60E-77 297 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000021366 6596 364.8 UdeM00000021366 XP_045213180.1 51 357
174 1 63 418 94 450 1.50E-97 364.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021367 6596 448 UdeM00000021367 XP_045170790.1 59.7 367
148 0 4 370 9 375 1.30E-122 448 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021368 6596 433.7 UdeM00000021368 XP_045212181.1 61.7 559
158 4 1 557 1 505 3.80E-118 433.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021369 29159 295 UdeM00000021369 XP_034311209.1 60 255
92 3 1 254 1 246 8.90E-77 295 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021370 6565 90.9 UdeM00000021370 XP_022317338.1 31.6 193
121 4 83 265 79 270 2.90E-15 90.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000044410 6596 537.3 UdeM00000044410 XP_045211214.1 40.7 738
417 10 6 727 5 737 3.00E-149 537.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044411 6565 199.5 UdeM00000044411 XP_022297447.1 58.5 164
67 1 52 215 204 366 4.30E-48 199.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000044412 6596 537.3 UdeM00000044412 XP_045211214.1 40.7 738
 417 10 6 727 5 737 3.00E-149 537.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044054 6596 114.4 UdeM00000044054 XP_045191674.1 24.8 262
 173 9 16 273 1574 1815 3.60E-22 114.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044415 7574 239.6 UdeM00000044415 XP_013419235.1 44.6 251
 126 3 9 246 187 437 4.40E-60 239.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000044416 6596 118.2 UdeM00000044416 XP_045201128.1 43.3 134
 73 2 14 147 705 835 9.40E-24 118.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044417 29159 808.9 UdeM00000044417 XP_011443137.1 91.4 441
 38 0 1 441 283 723 3.20E-231 808.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044418 7574 239.6 UdeM00000044418 XP_013419235.1 44.6 251
 126 3 9 246 187 437 4.40E-60 239.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000044419 6596 124.8 UdeM00000044419 XP_045201128.1 36.6 183
 105 4 13 187 656 835 1.30E-25 124.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042781 1735272 178.7 UdeM00000042781 XP_041361735.1 35.6
 264 163 5 1 262 68 326 9.70E-42 178.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042782 6596 218 UdeM00000042782 XP_045202146.1 45.2 239
 116 3 49 274 77 313 1.50E-53 218 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042784 7604 99.8 UdeM00000042784 XP_033644277.1 30.2 242
 109 6 3 188 464 701 4.20E-18 99.8 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
atida;Asteroidea;Asteroidea;Asterias;Asterias rubens
UdeM00000042785 37653 260.4 UdeM00000042785 XP_014787494.1 44.3 291
156 3 24 308 75 365 3.00E-66 260.4 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000042787 400727 112.1 UdeM00000042787 XP_025089700.1 45.5
112 58 2 37 146 279 389 6.20E-22 112.1 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000042788 6596 122.9 UdeM00000042788 XP_045202146.1 48.4 95
49 0 46 140 77 171 3.90E-25 122.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042789 29159 86.7 UdeM00000042789 XP_034338206.1 45.5 101
52 2 4 103 445 543 2.00E-14 86.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042791 7654 197.2 UdeM00000042791 XP_041463763.1 37.4 297
170 6 1 284 921 1214 2.80E-47 197.2 7654 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
UdeM00000042792 7725 212.2 UdeM00000042792 XP_039256407.1 38.8 322
188 6 2 318 494 811 9.40E-52 212.2 7725 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
clava
UdeM00000042793 6579 268.9 UdeM00000042793 XP_033742496.1 44 298
163 2 98 391 117 414 1.10E-68 268.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042794 7668 155.2 UdeM00000042794 XP_011661625.2 35 234
146 3 4 234 1094 1324 1.00E-34 155.2 7668 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus
UdeM00000042796 6573 333.2 UdeM00000042796 XP_021375058.1 57.4 277
116 1 36 310 114 390 3.60E-88 333.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042797 6596 337.4 UdeM00000042797 XP_045216896.1 50.8 297
145 1 46 342 92 387 2.10E-89 337.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042798 400727 148.7 UdeM00000042798 XP_025095647.1 51.2
127 58 1 142 268 5 127 1.10E-32 148.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000042799 6565 291.2 UdeM00000042799 XP_022287478.1 57.6 250
104 2 5 253 1894 2142 1.30E-75 291.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042800 6573 290.8 UdeM00000042800 XP_021355497.1 45.9 353
177 5 2 350 1638 1980 2.50E-75 290.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042801 6596 513.1 UdeM00000042801 XP_045194118.1 36.1 878
461 12 97 890 1690 2551 8.40E-142 513.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042802 6596 513.1 UdeM00000042802 XP_045194118.1 36.1 878
461 12 97 890 1690 2551 8.70E-142 513.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042803 6596 512.7 UdeM00000042803 XP_045194118.1 34.5 913
503 13 146 978 1654 2551 1.20E-141 512.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042804 6596 408.3 UdeM00000042804 XP_045194118.1 31 867
383 11 71 727 1690 2551 2.40E-110 408.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042805 6596 226.9 UdeM00000042805 XP_045194118.1 28.2 596
251 9 1 426 1708 2296 5.00E-56 226.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042807 29159 206.5 UdeM00000042807 XP_034332822.1 42.1 252
137 5 7 254 165 411 4.40E-50 206.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042806 6579 210.3 UdeM00000042806 XP_033740522.1 37.2 323
 184 10 44 358 113 424 4.10E-51 210.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042808 6573 327 UdeM00000042808 XP_021363050.1 46.4 347
 178 5 69 409 348 692 3.50E-86 327 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042809 6573 211.8 UdeM00000042809 XP_021340121.1 42.5 240
 122 3 45 268 287 526 1.10E-51 211.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042811 6573 253.1 UdeM00000042811 XP_021363050.1 38.9 347
 186 8 77 407 356 692 6.30E-64 253.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042813 7741 273.9 UdeM00000042813 XP_019622111.1 49.8 281
 136 4 5 283 1 278 2.40E-70 273.9 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000035103 6579 559.7 UdeM00000035103 XP_033761495.1 77.1 336
 77 0 36 371 24 359 3.70E-156 559.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035104 6596 295.4 UdeM00000035104 XP_045177779.1 41 432
 223 8 1 406 97 522 1.10E-76 295.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035105 6596 390.6 UdeM00000035105 XP_045177776.1 41.4 553
 304 10 1 539 405 951 4.80E-105 390.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035106 6596 334.3 UdeM00000035106 XP_045177776.1 34.8 612
 290 15 1 606 405 913 4.60E-88 334.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035108 6596 399.1 UdeM00000035108 XP_045177776.1 40.4 567
 324 7 145 704 392 951 1.60E-107 399.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035109 6596 392.1 UdeM00000035109 XP_045177776.1 40.3 556
 315 6 1 548 405 951 1.30E-105 392.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035110 45351 87.8 UdeM00000035110 XP_032236999.1 35.1 151
 82 2 9 144 11 160 1.70E-14 87.8 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000035111 6596 346.7 UdeM00000035111 XP_045175691.1 46.9 377
 196 4 15 387 29 405 4.10E-92 346.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035112 6565 195.7 UdeM00000035112 XP_022297037.1 65 143
 50 0 1 143 183 325 4.20E-47 195.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035113 6596 173.3 UdeM00000035113 XP_045177782.1 36.3 289
 156 7 1 280 90 359 4.70E-40 173.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035114 6596 378.3 UdeM00000035114 XP_045177776.1 38.9 576
 313 8 1 566 405 951 2.50E-101 378.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035115 6565 95.9 UdeM00000035115 XP_022297037.1 51.5 97
 44 2 12 107 80 174 3.70E-17 95.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035117 1735272 284.6 UdeM00000035117 XP_041375509.1 34.9
 481 286 7 16 475 668 1142 2.20E-73 284.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035118 7950 110.9 UdeM00000035118 XP_042560264.1 45.1 142
 72 3 38 176 75 213 1.70E-21 110.9 7950 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Clupeinae;Clupea
 ;Clupea harengus
 UdeM00000035119 1735272 152.9 UdeM00000035119 XP_041365180.1 33.2
 235 151 2 1 233 136 366 5.10E-34 152.9 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000035120 29159 92.4 UdeM00000035120 XP_011453058.2 26.9 238
156 9 26 248 76 310 8.60E-16 92.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000035121 6596 156.8 UdeM00000035121 XP_045200961.1 34.5 252
143 6 1 243 30 268 3.60E-35 156.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000035122 6565 205.3 UdeM00000035122 XP_022299727.1 46.4 235
121 2 1 233 46 277 9.40E-50 205.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035123 6596 441.8 UdeM00000035123 XP_045191793.1 34.7 858
439 21 1 847 258 1005 2.30E-120 441.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000035124 6596 283.9 UdeM00000035124 XP_045180775.1 33.7 572
271 12 1 542 1027 1520 6.50E-73 283.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000035126 6596 307.4 UdeM00000035126 XP_045177776.1 29.7 728
292 15 5 718 392 913 4.90E-80 307.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000035127 6565 121.3 UdeM00000035127 XP_022299602.1 44.7 132
70 3 70 200 2 131 1.40E-24 121.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035128 6596 83.2 UdeM00000035128 XP_045186033.1 28 175
120 3 254 424 23 195 9.30E-13 83.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000035130 6596 192.6 UdeM00000035130 XP_045177778.1 37.2 312
172 8 1 306 405 698 8.30E-46 192.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035131 46731 320.5 UdeM00000035131 XP_027046380.1 41.9 384
 219 3 576 956 24 406 7.40E-84 320.5 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000035132 6579 449.9 UdeM00000035132 XP_033727368.1 50.6 462
 158 6 1 393 1 461 3.30E-123 449.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035133 1735272 230.7 UdeM00000035133 XP_041361447.1 35.1
 758 405 16 82 797 116 828 6.50E-57 230.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035134 6596 688.3 UdeM00000035134 XP_045180675.1 49.7 720
 331 8 1 702 329 1035 9.90E-195 688.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035135 29159 240.7 UdeM00000035135 XP_019919189.2 29.4 657
 342 12 98 750 85 623 5.90E-60 240.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035136 6596 377.9 UdeM00000035136 XP_045166991.1 45.2 423
 206 5 100 522 244 640 3.90E-101 377.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035140 400727 331.3 UdeM00000035140 XP_025091729.1 88.3
 197 23 0 1 197 1 197 8.70E-88 331.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000035141 6573 648.7 UdeM00000035141 XP_021373061.1 82.8 384
 66 0 20 403 21 404 5.00E-183 648.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035142 6573 657.9 UdeM00000035142 XP_021373065.1 76.7 412
 95 1 9 419 405 816 8.60E-186 657.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035143 6573 535 UdeM00000035143 XP_021373061.1 77 330
 75 1 1 329 507 836 6.60E-149 535 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035144 6579 391.7 UdeM00000035144 XP_033728194.1 40.1 593
 288 14 154 699 124 696 1.90E-105 391.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035145 6596 300.4 UdeM00000035145 XP_045180623.1 53.3 285
 104 4 8 265 132 414 2.20E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035146 6596 293.9 UdeM00000035146 XP_045180623.1 51.2 285
 107 4 8 262 132 414 2.10E-76 293.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035148 6596 186.4 UdeM00000035148 XP_045181193.1 63.5 159
 48 2 8 162 11 163 2.80E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035149 6596 186.4 UdeM00000035149 XP_045181193.1 63.5 159
 48 2 8 162 11 163 2.80E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035150 6596 212.6 UdeM00000035150 XP_045181187.1 62.3 183
 57 3 13 191 1 175 4.40E-52 212.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035151 6596 497.7 UdeM00000035151 XP_045182242.1 53.4 470
 188 5 9 459 16 473 1.80E-137 497.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035152 29159 241.5 UdeM00000035152 XP_019919189.2 30.4 670
 323 17 98 755 85 623 3.50E-60 241.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035153 1735272 289.3 UdeM00000035153 XP_041360874.1 44.1
 367 197 6 4 364 55 419 7.00E-75 289.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035154 2607531 234.6 UdeM00000035154 XP_029650035.1 36.2
 384 180 8 35 354 41 423 2.00E-58 234.6 2607531

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000035155 1735272 200.3 UdeM00000035155 XP_041360871.1 45.5
233 115 4 5 236 235 456 2.80E-48 200.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000035157 400727 79.3 UdeM00000035157 XP_025092305.1 33.2
187 104 6 13 184 35 215 5.50E-12 79.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000035158 37653 88.6 UdeM00000035158 XP_014779149.1 36.8 125
79 0 5 129 116 240 6.40E-15 88.6 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000035159 400727 358.2 UdeM00000035159 XP_025092303.1 59.1
279 110 3 2 279 193 468 9.40E-96 358.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000035160 225164 106.7 UdeM00000035160 XP_009064040.1 41.9
129 67 2 11 136 13 136 2.50E-20 106.7 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000035161 6596 252.3 UdeM00000035161 XP_045177916.1 49.4 245
119 4 81 322 414 656 8.30E-64 252.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035162 45264 68.2 UdeM00000035162 XP_044167811.1 52.7 74
32 1 9 82 16 86 5.90E-09 68.2 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000035164 37621 85.5 UdeM00000035164 XP_014675741.1 43.4 99
56 0 1 99 43 141 4.60E-14 85.5 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000035165 6596 287.7 UdeM00000035165 XP_045181855.1 62.7 217
78 2 1 214 100 316 1.20E-74 287.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035166 6573 936 UdeM00000035166 XP_021377488.1 64.9 701
220 10 18 697 26 721 3.00E-269 936 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035167 6596 230.3 UdeM00000035167 XP_045181855.1 40.7 425
168 19 21 426 1040 1399 4.50E-57 230.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035168 6565 1013.8 UdeM00000035168 XP_022300540.1 63.7
923 292 9 334 1248 194 1081 1.90E-292 1013.8 6565

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035169 6596 1097.4 UdeM00000035169 XP_045180612.1 48.4
1386 558 28 63 1347 86 1415 0.00E+00 1097.4 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035170 2607531 128.3 UdeM00000035170 XP_036366827.1 64.7
85 30 0 167 251 99 183 1.40E-26 128.3 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000035171 6596 114.4 UdeM00000035171 XP_045168991.1 37.3 185
99 5 1 172 37 217 2.20E-22 114.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035172 6573 149.4 UdeM00000035172 XP_021378638.1 25.4 386
272 9 13 391 21 397 9.20E-33 149.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035173 6596 68.9 UdeM00000035173 XP_045184205.1 37.2 78
49 0 1 78 1 78 3.20E-09 68.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035174 6596 90.1 UdeM00000035174 XP_045206071.1 26.4 227
157 4 2 221 181 404 3.90E-15 90.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000035175 6579 107.1 UdeM00000035175 XP_033731710.1 34.5 139
 90 1 1 139 1 138 1.90E-20 107.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035176 6596 86.7 UdeM00000035176 XP_045206071.1 27.2 250
 166 5 2 241 181 424 4.60E-14 86.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000035177 6596 102.8 UdeM00000035177 XP_045169960.1 26.4 216
 150 5 1 208 395 609 5.40E-19 102.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000035178 6573 154.1 UdeM00000035178 XP_021353442.1 31.2 253
 167 3 9 257 5 254 4.10E-34 154.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035182 6573 95.9 UdeM00000035182 XP_021377862.1 39.4 109
 66 0 1 109 735 843 3.50E-17 95.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035183 6573 65.9 UdeM00000035183 XP_021377872.1 28.4 95
 68 0 49 143 389 483 6.40E-08 65.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035187 6596 63.9 UdeM00000035187 XP_045176997.1 24.4 238
 151 10 41 266 310 530 5.10E-07 63.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000035188 6565 106.3 UdeM00000035188 XP_022299727.1 48.7 119
 58 1 12 127 129 247 3.10E-20 106.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035189 6573 95.9 UdeM00000035189 XP_021377862.1 39.4 109
 66 0 1 109 735 843 3.50E-17 95.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035190 6573 65.9 UdeM00000035190 XP_021377872.1 28.4 95
 68 0 49 143 389 483 6.40E-08 65.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000035193 6596 120.6 UdeM00000035193 XP_045168991.1 38.4 185
97 5 1 172 37 217 3.10E-24 120.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000035194 6565 141.7 UdeM00000035194 XP_022297355.1 34 188
118 3 17 204 22 203 1.10E-30 141.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035195 6573 157.5 UdeM00000035195 XP_021359302.1 38.3 196
113 3 17 212 12 199 1.90E-35 157.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000035196 6565 151 UdeM00000035196 XP_022321940.1 23.6 406
292 3 8 395 277 682 3.20E-33 151 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035197 6579 260.8 UdeM00000035197 XP_033758968.1 25 679
479 7 6 660 7 679 4.80E-66 260.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000035198 6596 178.3 UdeM00000035198 XP_045181714.1 27.9 369
254 5 13 378 17 376 1.90E-41 178.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000035200 6565 156.4 UdeM00000035200 XP_022300881.1 31 252
167 4 17 268 21 265 7.40E-35 156.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035199 6596 244.2 UdeM00000035199 XP_045169960.1 25.5 667
417 9 14 670 14 610 4.70E-61 244.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000035201 6579 1620.1 UdeM00000035201 XP_033727108.1 88.2
897 54 3 44 939 69 914 0.00E+00 1620.1 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000035202 6579 1633.6 UdeM00000035202 XP_033727108.1 92.3
856 55 3 44 898 69 914 0.00E+00 1633.6 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035203 6579 1627.8 UdeM00000035203 XP_033727115.1 89.5
886 51 2 44 928 69 913 0.00E+00 1627.8 6579

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035204 6579 591.7 UdeM00000035204 XP_033727108.1 90.8 306
27 1 44 348 69 374 6.30E-166 591.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035205 6565 75.5 UdeM00000035205 XP_022299727.1 38 100
60 1 1 98 46 145 6.00E-11 75.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035206 7574 252.3 UdeM00000035206 XP_013402130.1 58.7 235
76 5 14 234 22 249 6.30E-64 252.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000035207 6596 1040 UdeM00000035207 XP_045180329.1 86.3 584
80 0 1 584 1 584 1.10E-300 1040 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000035208 6596 187.6 UdeM00000035208 XP_045181522.1 57.1 191
69 4 1 178 1 191 1.40E-44 187.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000035209 6579 346.7 UdeM00000035209 XP_033727375.1 48.2 587
241 13 4 581 330 862 5.90E-92 346.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035210 6565 189.1 UdeM00000035210 XP_022299138.1 68.5 130
40 1 1 129 1 130 1.20E-44 189.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035211 6596 283.9 UdeM00000035211 XP_045182414.1 51 296
133 4 19 311 5 291 3.40E-73 283.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000035213 6565 234.6 UdeM00000035213 XP_022327824.1 76.1 155
37 0 2 156 3 157 8.80E-59 234.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000035212 6596 1033.1 UdeM00000035212 XP_045182413.1 70.1
752 222 3 1 750 1 751 1.80E-298 1033.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000035214 6579 261.2 UdeM00000035214 XP_033758968.1 25.4 696
476 11 13 693 11 678 3.90E-66 261.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect

UdeM00000035215 1735272 465.3 UdeM00000035215 XP_041360874.1 57
419 166 7 11 427 14 420 8.30E-128 465.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel

UdeM00000035216 1735272 464.2 UdeM00000035216 XP_041360874.1 61.1
383 138 6 1 381 47 420 1.70E-127 464.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel

UdeM00000035218 6579 388.7 UdeM00000035218 XP_033727445.1 62.9 313
114 2 40 350 2 314 9.40E-105 388.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect

UdeM00000035219 1735272 84 UdeM00000035219 XP_041367219.1 29.7
145 92 4 19 162 104 239 2.00E-13 84 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel

UdeM00000035220 6596 222.2 UdeM00000035220 XP_045215724.1 25.8 790
467 24 25 764 19 739 2.30E-54 222.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000035221 6596 565.8 UdeM00000035221 XP_045182178.1 56.9 501
202 9 27 520 31 524 5.80E-158 565.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000035222 6596 565.8 UdeM00000035222 XP_045182178.1 56.9 501
202 9 59 552 31 524 6.20E-158 565.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035223 6596 567.8 UdeM00000035223 XP_045182178.1 55.4 500
 214 6 26 521 30 524 1.60E-158 567.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035224 6565 282 UdeM00000035224 XP_022321940.1 24.9 672
 492 8 13 674 14 682 2.10E-72 282 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035225 6596 175.3 UdeM00000035225 XP_045181714.1 30.6 330
 222 3 15 344 19 341 1.40E-40 175.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035226 6565 270.8 UdeM00000035226 XP_022321940.1 24.5 670
 493 8 15 674 16 682 4.80E-69 270.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035227 6596 166.8 UdeM00000035227 XP_045182178.1 62.1 132
 49 1 27 158 31 161 2.30E-38 166.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035228 29159 483.8 UdeM00000035228 XP_034299474.1 42.8 607
 331 8 66 665 158 755 3.50E-133 483.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035229 6565 124.4 UdeM00000035229 XP_022290343.1 37.1 175
 109 1 1 175 126 299 1.50E-25 124.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035230 6565 270.8 UdeM00000035230 XP_022321940.1 24.6 668
 491 8 17 674 18 682 4.80E-69 270.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035231 6565 284.6 UdeM00000035231 XP_022321940.1 25 672
 491 8 13 674 14 682 3.20E-73 284.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035232 6596 175.3 UdeM00000035232 XP_045181714.1 30.6 330
 222 3 15 344 19 341 1.40E-40 175.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035233 6565 270.8 UdeM00000035233 XP_022321940.1 24.2 670
495 8 15 674 16 682 4.80E-69 270.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035234 6565 283.5 UdeM00000035234 XP_022321940.1 24.8 670
491 8 15 674 16 682 7.10E-73 283.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035235 400727 265.8 UdeM00000035235 XP_025090241.1 62.2
209 74 2 1 209 1 204 4.90E-68 265.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000035236 400727 270.4 UdeM00000035236 XP_025090241.1 63.2
209 72 2 1 209 1 204 2.00E-69 270.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000035238 6596 956.4 UdeM00000035238 XP_045181836.1 70.3 679
200 1 1 679 1 677 1.90E-275 956.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035237 6596 1009.2 UdeM00000035237 XP_045181836.1 69.6
728 217 3 1 728 1 724 3.10E-291 1009.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035239 105023 125.2 UdeM00000035239 XP_015828284.1 40.6
187 99 4 7 189 142 320 9.00E-26 125.2 105023
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothobranchius furzeri

UdeM00000035240 105023 187.2 UdeM00000035240 XP_015828284.1 36
308 182 7 4 308 25 320 3.20E-44 187.2 105023
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata

rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc
hius furzeri

UdeM00000035241 6596 90.5 UdeM00000035241 XP_045181836.1 76.5 68
16 0 36 103 916 983 1.40E-15 90.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035243 6596 397.5 UdeM00000035243 XP_045181129.1 48.9 405
143 4 40 382 12 414 1.90E-107 397.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035245 2607531 77 UdeM00000035245 XP_036366827.1 46.9
81 25 1 1 81 121 183 1.20E-11 77 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000035246 37653 76.3 UdeM00000035246 XP_014780685.1 43.8 89
37 2 118 206 41 116 5.40E-11 76.3 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000035248 6596 404.1 UdeM00000035248 XP_045177779.1 40.2 535
299 6 1 521 97 624 6.50E-109 404.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035249 6596 414.1 UdeM00000035249 XP_045177776.1 41 541
300 8 1 534 405 933 6.10E-112 414.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035250 6565 123.6 UdeM00000035250 XP_022299602.1 48.5 132
65 3 345 475 2 131 6.90E-25 123.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035251 6565 92 UdeM00000035251 XP_022331924.1 28.3 258
164 8 98 352 183 422 1.60E-15 92 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035252 6596 355.9 UdeM00000035252 XP_045177776.1 36.4 588
288 14 1 581 405 913 1.30E-94 355.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035253 151771 79.3 UdeM00000035253 XP_028417987.1 28.2
 220 129 8 1 208 1 203 6.40E-12 79.3 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000035254 6596 367.9 UdeM00000035254 XP_045177779.1 38.4 521
 305 5 1 508 97 614 6.30E-98 367.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035255 29159 258.8 UdeM00000035255 XP_034319278.1 63 192
 69 1 8 197 7 198 5.50E-66 258.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035257 6565 193 UdeM00000035257 XP_022334358.1 61.3 150
 56 1 1 148 195 344 2.80E-46 193 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035256 6565 403.3 UdeM00000035256 XP_022292728.1 51.7 420
 96 2 1 313 304 723 2.80E-109 403.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035258 6565 193.4 UdeM00000035258 XP_022329522.1 83.6 110
 18 0 1 110 150 259 1.70E-46 193.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035259 29159 202.6 UdeM00000035259 XP_034311349.1 45.3 254
 119 4 1 236 1 252 6.90E-49 202.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035260 6596 354 UdeM00000035260 XP_045177776.1 36.2 588
 289 14 1 581 405 913 8.90E-94 354 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035262 6596 253.4 UdeM00000035262 XP_045180879.1 69.9 206
 59 2 22 227 15 217 2.00E-63 253.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035263 6596 253.4 UdeM00000035263 XP_045180879.1 69.9 206
 59 2 22 227 15 217 2.00E-63 253.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035267 400727 60.8 UdeM00000035267 XP_025108466.1 48.6
70 36 0 19 88 274 343 1.40E-06 60.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000035270 6596 374 UdeM00000035270 XP_045180517.1 51.2 623
260 8 1 593 2 610 3.70E-100 374 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035271 6596 369.4 UdeM00000035271 XP_045180517.1 51 624
261 8 1 594 2 610 9.00E-99 369.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035272 6573 232.6 UdeM00000035272 XP_021355442.1 35.3 482
259 8 10 483 7 443 1.10E-57 232.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035274 6596 143.3 UdeM00000035274 XP_045194994.1 27.4 358
241 7 66 408 552 905 7.00E-31 143.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035275 6596 143.3 UdeM00000035275 XP_045194994.1 27.4 358
241 7 185 527 552 905 9.00E-31 143.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035276 29159 233.4 UdeM00000035276 XP_011447370.2 44.7 309
164 3 36 340 43 348 4.50E-58 233.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035277 29159 237.3 UdeM00000035277 XP_011447370.2 44.8 315
155 5 36 340 43 348 3.10E-59 237.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035278 29159 245.7 UdeM00000035278 XP_011447370.2 44.2 328
161 6 22 336 23 341 9.00E-62 245.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035279 6596 229.9 UdeM00000035279 XP_045182758.1 32.9 468
222 7 1 466 1 378 6.80E-57 229.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035280 6596 176 UdeM00000035280 XP_045182758.1 32.8 400
169 6 1 400 78 377 9.70E-41 176 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035281 6596 253.8 UdeM00000035281 XP_045182758.1 36 475
202 8 1 473 625 999 4.30E-64 253.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035282 6565 237.3 UdeM00000035282 XP_022289238.1 37.3 496
253 10 9 463 19 497 4.10E-59 237.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035284 6565 90.9 UdeM00000035284 XP_022316806.1 40 145
64 5 1 142 33 157 1.50E-15 90.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035285 51031 80.5 UdeM00000035285 XP_013299490.1 40.9 115
60 2 93 207 3 109 2.80E-12 80.5 51031 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Nematoda;Chromadorea;Strongylida;Ancylostomatoidea;Ancylostomatidae;Bunostominae;Necator;Necator americanus

UdeM00000035286 6596 230.7 UdeM00000035286 XP_045182758.1 33.5 462
230 5 1 460 625 1011 3.90E-57 230.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035287 6596 202.2 UdeM00000035287 XP_045182758.1 32.6 387
215 2 1 341 1 387 1.10E-48 202.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035288 6596 240.7 UdeM00000035288 XP_045182758.1 33.8 462
229 6 1 460 1 387 3.70E-60 240.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035289 6596 237.7 UdeM00000035289 XP_045182760.1 35 448
215 6 1 443 375 751 3.10E-59 237.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035290 6596 178.3 UdeM00000035290 XP_045177094.1 45.4 216
 116 1 1 214 1 216 1.00E-41 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035291 6596 73.6 UdeM00000035291 XP_045177094.1 43.7 87
 49 0 15 101 102 188 2.00E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035292 6596 234.2 UdeM00000035292 XP_045182758.1 35.3 442
 216 6 1 440 1 374 3.40E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035293 6596 226.9 UdeM00000035293 XP_045182760.1 34.4 448
 215 8 1 440 375 751 5.40E-56 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035294 6596 233.8 UdeM00000035294 XP_045182758.1 35.2 437
 213 5 1 435 1 369 4.30E-58 233.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035295 6596 232.6 UdeM00000035295 XP_045182758.1 34.8 465
 230 8 1 461 1 396 9.80E-58 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035296 6596 60.1 UdeM00000035296 XP_045182760.1 43.5 62
 33 1 1 60 1 62 2.70E-06 60.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035297 6596 245 UdeM00000035297 XP_045182758.1 34.6 462
 225 5 1 460 1 387 2.00E-61 245 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035299 29159 149.1 UdeM00000035299 XP_011419865.2 29.4 487
 275 12 1 484 72 492 1.50E-32 149.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035301 113540 90.5 UdeM00000035301 XP_018619763.2 46.8
 77 40 1 23 98 19 95 1.30E-15 90.5 113540
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Osteoglo
 ssocephala;Osteoglossomorpha;Osteoglossiformes;Osteoglossidae;Scleropages
 ;Scleropages formosus

UdeM00000035303 29159 151.8 UdeM00000035303 XP_034334229.1 30.8 441
 237 13 13 432 9 402 2.70E-33 151.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035304 29159 152.5 UdeM00000035304 XP_034334229.1 31.3 425
 228 13 13 414 9 392 1.30E-33 152.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035305 72036 191.8 UdeM00000035305 XP_040566791.1 23.8 2244
 1341 70 52 2063 337 2442 8.80E-45 191.8 72036 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000035306 6596 465.7 UdeM00000035306 XP_045186281.1 62.8 352
 131 0 5 356 45 396 5.40E-128 465.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035307 6596 384 UdeM00000035307 XP_045177776.1 40.6 564
 319 9 1 557 405 959 6.10E-103 384 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035308 6596 387.9 UdeM00000035308 XP_045177779.1 41.3 526
 282 8 1 507 97 614 4.80E-104 387.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035309 6596 389 UdeM00000035309 XP_045177779.1 41.3 526
 282 8 1 507 97 614 9.10E-105 389 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035310 6596 281.6 UdeM00000035310 XP_045177778.1 37.7 486
 262 11 187 656 392 852 3.60E-72 281.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035311 6596 430.6 UdeM00000035311 XP_045216578.1 61 395
 154 0 1 395 160 554 2.10E-117 430.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035312 6579 112.1 UdeM00000035312 XP_033727211.1 54.7 148
 53 5 2 138 4 148 5.90E-22 112.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035313 6565 104 UdeM00000035313 XP_022293038.1 62.5 104
 32 3 1 103 1 98 1.20E-19 104 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035314 6579 1443.3 UdeM00000035314 XP_033726820.1 78
 904 185 5 12 902 7 909 0.00E+00 1443.3 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035315 37653 528.9 UdeM00000035315 XP_014780657.1 64.3 373
 129 3 10 382 20 388 5.50E-147 528.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000035316 6596 78.2 UdeM00000035316 XP_045186033.1 27.4 168
 120 2 96 263 13 178 2.30E-11 78.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035317 6573 188.3 UdeM00000035317 XP_021359653.1 33.6 396
 235 13 550 927 354 739 4.40E-44 188.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035321 6573 188.3 UdeM00000035321 XP_021359653.1 33.6 396
 235 13 177 554 354 739 2.70E-44 188.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035319 6565 417.9 UdeM00000035319 XP_022298331.1 71.1 277
 80 0 72 348 110 386 1.30E-113 417.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035320 6565 406.4 UdeM00000035320 XP_022298331.1 70.8 271
 79 0 1 271 116 386 3.00E-110 406.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035322 6596 674.1 UdeM00000035322 XP_045164107.1 57.5 607
197 6 2 602 2178 2729 1.70E-190 674.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035323 6596 670.2 UdeM00000035323 XP_045164107.1 57.5 607
190 6 2 595 2178 2729 2.40E-189 670.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035324 6596 170.2 UdeM00000035324 XP_045164107.1 51.6 190
74 6 15 200 1939 2114 3.30E-39 170.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035325 1735272 279.6 UdeM00000035325 XP_041360663.1 31.8
689 382 20 68 709 852 1499 1.10E-71 279.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000035326 29159 63.2 UdeM00000035326 XP_011453490.1 30.4 158
94 6 157 308 272 419 7.20E-07 63.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000035327 6596 347.1 UdeM00000035327 XP_045177779.1 35.8 581
355 11 1 574 97 666 6.40E-92 347.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035329 6596 270.8 UdeM00000035329 XP_045177779.1 38.8 438
245 11 1 427 97 522 3.00E-69 270.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035330 6565 122.5 UdeM00000035330 XP_022299602.1 45.5 132
69 3 97 227 2 131 1.00E-24 122.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035331 6579 97.8 UdeM00000035331 XP_033739873.1 30.9 191
122 7 37 224 7 190 2.20E-17 97.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035332 29159 313.2 UdeM00000035332 XP_034307480.1 41.1 406
 224 9 1 401 187 582 5.00E-82 313.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035336 7955 58.5 UdeM00000035336 XP_009293989.1 45.2 62
 34 0 45 106 1083 1144 5.90E-06 58.5 7955 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 idei;Danionidae;Danioninae;Danio;Danio rerio
 UdeM00000035337 29159 272.3 UdeM00000035337 XP_034339432.1 43.8 322
 167 4 143 462 39 348 1.10E-69 272.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035347 6579 108.2 UdeM00000035347 XP_033747028.1 62.4 85
 32 0 12 96 726 810 6.00E-21 108.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035348 8005 127.1 UdeM00000035348 XP_026887342.2 47.4 116
 57 2 92 206 303 415 2.60E-26 127.1 8005 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiiformes;Gymnoto
 idei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000035349 8005 124.8 UdeM00000035349 XP_026887342.2 41.9 136
 72 2 98 232 286 415 1.50E-25 124.8 8005 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiiformes;Gymnoto
 idei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000035350 8005 124.8 UdeM00000035350 XP_026887342.2 41.9 136
 72 2 81 215 286 415 1.30E-25 124.8 8005 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiiformes;Gymnoto
 idei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000035351 8005 126.3 UdeM00000035351 XP_026887342.2 42.6 136
 71 2 98 232 286 415 5.00E-26 126.3 8005 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiiformes;Gymnoto
 idei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000035352 6105 160.6 UdeM00000035352 XP_031566978.1 47.7 174
 85 3 1 170 151 322 1.80E-36 160.6 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000035353 6105 139.4 UdeM00000035353 XP_031566938.1 43.7 135
 74 2 33 167 311 443 9.80E-30 139.4 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000035354 6105 102.1 UdeM00000035354 XP_031570619.1 37.5 152
 89 4 52 201 25 172 8.90E-19 102.1 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000035355 45264 61.2 UdeM00000035355 XP_044176701.1 39.1 69
 42 0 9 77 773 841 8.10E-07 61.2 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000035357 31033 114.4 UdeM00000035357 XP_003962570.1 51.1 94
 44 2 3 94 309 402 8.00E-23 114.4 31033 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Tetraodontiformes;Te
 traodontoidei;Tetraodontoidea;Tetraodontidae;Takifugu;Takifugu rubripes
 UdeM00000035359 64176 115.2 UdeM00000035359 XP_028578038.1 47.5 101
 51 2 24 122 297 397 6.10E-23 115.2 64176 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Laterata;Lacertibaenia;L
 acertidae;Lacertinae;Podarcis;Podarcis muralis
 UdeM00000035360 1529436 438.3 UdeM00000035360 XP_033101539.1 31.2
 1023 514 22 38 882 13 1023 2.30E-119 438.3 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000035361 6579 265 UdeM00000035361 XP_033730606.1 43.6 358
 185 8 1 347 1 352 1.40E-67 265 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035362 151771 61.6 UdeM00000035362 XP_028417120.1 45.5
 88 46 2 11 97 236 322 1.50E-06 61.6 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000035366 8005 131.3 UdeM00000035366 XP_026887342.2 46.3 134
 64 3 101 232 288 415 1.60E-27 131.3 8005 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnoto
 idei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000035367 8005 115.9 UdeM00000035367 XP_026887342.2 42.6 122
 62 3 133 252 300 415 7.30E-23 115.9 8005 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnoto
idei;Gymnotidae;Electrophorus;Electrophorus electricus

UdeM00000035368 8496 125.9 UdeM00000035368 XP_006278681.1 47.1 119
57 3 113 229 273 387 6.40E-26 125.9 8496 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Archosauria;Crocodylia;Alligatoridae;Alligatorinae;Alligator;Alli
gator mississippiensis

UdeM00000035369 1415580 125.6 UdeM00000035369 XP_030050849.1 36.2
174 102 5 66 231 221 393 8.50E-26 125.6 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor

UdeM00000035370 6579 369 UdeM00000035370 XP_033726998.1 75.5 249
60 1 62 310 53 300 6.00E-99 369 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035372 6596 211.1 UdeM00000035372 XP_045181825.1 64.2 159
57 0 1 159 1 159 1.10E-51 211.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035371 6596 210.7 UdeM00000035371 XP_045181825.1 64.2 159
57 0 1 159 1 159 1.40E-51 210.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035373 6596 123.6 UdeM00000035373 XP_045181825.1 50 110
55 0 25 134 1 110 2.10E-25 123.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035374 6596 115.2 UdeM00000035374 XP_045171351.1 35 246
119 6 1 244 248 454 1.20E-22 115.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035375 6596 303.5 UdeM00000035375 XP_045177776.1 39.5 387
227 4 2 388 657 1036 6.20E-79 303.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035376 6565 133.7 UdeM00000035376 XP_022299727.1 46.4 140
 75 0 1 140 106 245 1.90E-28 133.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035377 6596 85.1 UdeM00000035377 XP_045191531.1 36.8 125
 72 2 1 120 807 929 2.00E-13 85.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035378 29159 73.6 UdeM00000035378 XP_034322397.1 28.2 170
 99 4 20 189 14 160 3.40E-10 73.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035380 46514 114.4 UdeM00000035380 XP_038062048.1 24.6 471
 295 17 5 446 51 490 3.80E-22 114.4 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000035382 6596 387.9 UdeM00000035382 XP_045180304.1 34.1 815
 432 28 32 799 36 792 3.20E-104 387.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035383 6596 136 UdeM00000035383 XP_045182268.1 67.9 106
 31 3 14 116 665 770 3.20E-29 136 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035384 2607531 219.2 UdeM00000035384 XP_036366810.1 48.6
 210 102 1 109 318 26 229 7.70E-54 219.2 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000035385 6596 305.8 UdeM00000035385 XP_045177776.1 38.9 435
 235 5 1 422 405 821 8.30E-80 305.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035386 6565 92.4 UdeM00000035386 XP_022305919.1 24.9 366
 209 11 25 346 887 1230 1.20E-15 92.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035387 6565 89.7 UdeM00000035387 XP_022305107.1 33.3 177
 98 5 17 193 949 1105 4.60E-15 89.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035388 6596 341.3 UdeM00000035388 XP_045180304.1 30.2 921
423 29 32 896 36 792 3.90E-90 341.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035389 6596 82.8 UdeM00000035389 XP_045180304.1 51.6 93
38 3 31 119 703 792 3.80E-13 82.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035390 6596 187.6 UdeM00000035390 XP_045182268.1 42.3 284
127 9 6 267 486 754 2.10E-44 187.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035391 6596 171 UdeM00000035391 XP_045182268.1 42.7 262
113 9 2 241 508 754 1.80E-39 171 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035392 6596 68.6 UdeM00000035392 XP_045188640.1 61.8 55
20 1 55 109 152 205 1.30E-08 68.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035393 6579 120.9 UdeM00000035393 XP_033752673.1 35.7 199
41 1 1 112 453 651 1.00E-24 120.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000035394 63155 148.3 UdeM00000035394 XP_030614866.1 49.6 117
59 0 3 119 157 273 6.50E-33 148.3 63155 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
iformes;Cichlidae;New World
cichlids;Cichlasomatinae;Heroini;Archocentrus;Archocentrus centrarchus
UdeM00000035395 6596 1263.4 UdeM00000035395 XP_045193504.1 66.8
925 291 5 1 917 1 917 0.00E+00 1263.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035397 6596 149.1 UdeM00000035397 XP_045180304.1 29 438
 236 17 4 388 377 792 1.30E-32 149.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035398 6596 389.8 UdeM00000035398 XP_045180304.1 34.7 807
 438 26 32 799 36 792 8.50E-105 389.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035399 6596 90.1 UdeM00000035399 XP_045180304.1 31.6 225
 125 10 13 230 323 525 5.20E-15 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035401 6596 337 UdeM00000035401 XP_045180304.1 31.8 804
 424 26 32 758 36 792 6.20E-89 337 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035402 6596 216.1 UdeM00000035402 XP_045180304.1 28.2 621
 362 21 10 601 9 574 1.50E-52 216.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035404 150288 62 UdeM00000035404 XP_020793866.1 42.5
 80 38 2 24 103 310 381 7.40E-07 62 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000035403 1735272 70.1 UdeM00000035403 XP_041361601.1 31.3
 147 72 5 1 143 404 525 2.80E-09 70.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035405 225164 408.7 UdeM00000035405 XP_009052303.1 49.3
 371 186 2 19 387 10 380 8.60E-111 408.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035406 6579 125.6 UdeM00000035406 XP_033726475.1 70.4 81
 24 0 1 81 83 163 3.50E-26 125.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000035407 6579 465.3 UdeM00000035407 XP_033726475.1 63.1 363
129 2 2 364 182 539 7.60E-128 465.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000035408 6596 192.6 UdeM00000035408 XP_045182596.1 51.7 178
80 2 88 264 122 294 6.40E-46 192.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000035409 7906 84 UdeM00000035409 XP_034774014.1 25.3 186
138 1 1 186 1 185 3.50E-13 84 7906 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipenseridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus
UdeM00000035410 225164 1102.4 UdeM00000035410 XP_009064001.1
81.3 652 118 3 1 649 1 651 0.00E+00 1102.4
225164 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
UdeM00000035411 225164 1140.9 UdeM00000035411 XP_009064001.1
81.6 670 119 3 1 667 1 669 0.00E+00 1140.9
225164 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
UdeM00000035412 50390 324.3 UdeM00000035412 XP_028150719.1 41.4 396
216 10 17 398 140 533 2.10E-85 324.3 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera
UdeM00000035414 6596 121.7 UdeM00000035414 XP_045181277.1 41.2 136
76 2 32 164 238 372 1.00E-24 121.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000035415 6565 202.6 UdeM00000035415 XP_022289238.1 30.2 490
298 6 16 465 22 507 1.10E-48 202.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035417 6596 200.3 UdeM00000035417 XP_045177779.1 40.2 326
167 7 1 324 97 396 4.70E-48 200.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000035416 6596 330.5 UdeM00000035416 XP_045177779.1 34.7 626
 294 10 1 624 97 609 6.30E-87 330.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035418 1415580 670.2 UdeM00000035418 XP_030075314.1 53.9
 642 276 6 1 639 1 625 2.50E-189 670.2 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000035419 6573 231.9 UdeM00000035419 XP_021377140.1 48.9 227
 112 2 17 243 3 225 8.80E-58 231.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035420 6573 224.2 UdeM00000035420 XP_021377140.1 47.6 227
 115 2 17 243 3 225 1.80E-55 224.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035421 6573 232.3 UdeM00000035421 XP_021377140.1 48.9 227
 112 2 17 243 3 225 6.70E-58 232.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035422 6573 224.2 UdeM00000035422 XP_021377140.1 47.6 227
 115 2 17 243 3 225 1.80E-55 224.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035423 6573 232.3 UdeM00000035423 XP_021377140.1 48.9 227
 112 2 17 243 3 225 6.70E-58 232.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035424 6573 234.2 UdeM00000035424 XP_021377140.1 50.5 220
 102 3 24 243 13 225 1.80E-58 234.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035426 37653 229.9 UdeM00000035426 XP_014783624.1 66.9 154
 51 0 1 154 1 154 2.30E-57 229.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000035425 6596 737.3 UdeM00000035425 XP_045182820.1 66.2 538
 137 2 1 495 1 536 1.30E-209 737.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035427 6105 73.2 UdeM00000035427 XP_031567578.1 42.2 83
 46 1 20 102 427 507 2.70E-10 73.2 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000035428 6596 322.4 UdeM00000035428 XP_045177779.1 32.6 650
 290 12 1 639 97 609 1.70E-84 322.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035429 6579 737.6 UdeM00000035429 XP_033731430.1 74.2 457
 118 0 1 457 1 457 9.50E-210 737.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035430 6596 62.8 UdeM00000035430 XP_045200730.1 28.3 120
 76 2 43 154 175 292 4.90E-07 62.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035431 1735272 259.2 UdeM00000035431 XP_041375509.1 36.6
 421 247 6 7 407 722 1142 8.70E-66 259.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035432 1735272 282.7 UdeM00000035432 XP_041375509.1 36.1
 462 269 7 46 487 687 1142 8.80E-73 282.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035433 6596 318.5 UdeM00000035433 XP_045177776.1 33.3 640
 287 11 1 633 430 936 2.50E-83 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035434 70779 97.4 UdeM00000035434 XP_015753877.1 35.6 163
 100 4 23 185 13 170 2.20E-17 97.4 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000035435 6579 890.2 UdeM00000035435 XP_033731430.1 74.1 557
 144 0 1 557 1 557 1.40E-255 890.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035438 6596 85.9 UdeM00000035438 XP_045180898.1 53.8 145
 43 6 15 140 210 349 4.50E-14 85.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035439 6596 324.3 UdeM00000035439 XP_045180896.1 59.5 284
108 4 1 283 17 294 1.50E-85 324.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035440 6500 573.9 UdeM00000035440 XP_012945668.1 59.5 462
157 1 309 770 658 1089 3.00E-160 573.9 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000035441 6573 108.6 UdeM00000035441 XP_021341731.1 28 271
183 5 38 302 409 673 1.50E-20 108.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035442 6573 102.1 UdeM00000035442 XP_021380144.1 25.1 219
159 4 31 245 17 234 1.10E-18 102.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035443 6579 106.3 UdeM00000035443 XP_033758968.1 27.7 271
183 7 46 312 417 678 7.20E-20 106.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035444 6573 108.6 UdeM00000035444 XP_021341731.1 28 271
183 5 38 302 409 673 1.50E-20 108.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035445 6573 106.3 UdeM00000035445 XP_021380144.1 25.9 205
148 3 37 238 31 234 5.50E-20 106.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035446 6573 107.1 UdeM00000035446 XP_021380144.1 27.8 205
140 4 37 234 31 234 3.20E-20 107.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035447 6573 97.4 UdeM00000035447 XP_021341731.1 27.2 272
186 5 38 303 409 674 3.30E-17 97.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035448 6573 107.1 UdeM00000035448 XP_021380144.1 28 189
128 4 31 212 47 234 2.90E-20 107.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035449 6596 692.2 UdeM00000035449 XP_045160375.1 56.1 590
 251 8 1 586 1 586 5.80E-196 692.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035450 6596 349 UdeM00000035450 XP_045160376.1 41.7 501
 110 3 8 329 19 516 6.70E-93 349 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035451 6573 106.3 UdeM00000035451 XP_021380144.1 26.3 205
 147 3 18 219 31 234 5.10E-20 106.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035452 6573 107.5 UdeM00000035452 XP_021380144.1 26.9 197
 140 3 2 195 39 234 2.00E-20 107.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035453 6596 164.5 UdeM00000035453 XP_045215711.1 23.1 464
 303 6 78 536 41 455 4.00E-37 164.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035454 6573 104 UdeM00000035454 XP_021341731.1 27.8 252
 172 5 2 249 429 674 3.00E-19 104 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035456 6596 62 UdeM00000035456 XP_045202666.1 29.8 181
 94 7 64 230 341 502 1.10E-06 62 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035457 6579 102.8 UdeM00000035457 XP_033758968.1 25.5 278
 197 6 31 303 400 672 8.10E-19 102.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035641 151771 235.3 UdeM00000035641 XP_028419301.1 46
 274 107 4 41 275 33 304 9.10E-59 235.3 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000035642 45264 94 UdeM00000035642 XP_044165143.1 45.8 107
 56 2 2 106 367 473 1.40E-16 94 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000035643 45264 228.8 UdeM00000035643 XP_044184031.1 44.2 274
140 4 12 279 171 437 8.90E-57 228.8 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000035644 45264 149.4 UdeM00000035644 XP_044184288.1 41.4 181
99 2 47 224 44 220 6.70E-33 149.4 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000031178 1735272 60.8 UdeM00000031178 XP_041350569.1 57.4
54 21 1 95 146 346 399 2.10E-06 60.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000031179 6579 99.8 UdeM00000031179 XP_033744278.1 53.8 91
41 1 2 92 1216 1305 2.00E-18 99.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031181 6573 202.2 UdeM00000031181 XP_021374759.1 56.7 164
71 0 4 167 3 166 5.30E-49 202.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000031182 6579 156.8 UdeM00000031182 XP_033731501.1 58.3 120
50 0 1 120 42 161 1.90E-35 156.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031183 6596 218 UdeM00000031183 XP_045172856.1 46.4 332
164 3 1 330 246 565 1.80E-53 218 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031184 7574 339.3 UdeM00000031184 XP_013398667.1 56.7 289
124 1 1 289 1 288 6.50E-90 339.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000031185 6596 165.6 UdeM00000031185 XP_045172856.1 44.4 223
123 1 10 232 18 239 7.40E-38 165.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031187 1735272 550.8 UdeM00000031187 XP_041346638.1 53.8
481 222 0 12 492 63 543 1.70E-153 550.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000031186 1735272 615.5 UdeM00000031186 XP_041346638.1 53
541 254 0 1 541 3 543 6.30E-173 615.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000031188 6579 272.7 UdeM00000031188 XP_033748314.1 47 285
145 3 1 284 1 280 5.50E-70 272.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031189 37621 175.3 UdeM00000031189 XP_014679862.1 51.4 173
72 2 1 163 89 259 7.20E-41 175.3 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000031190 6596 1264.6 UdeM00000031190 XP_045172855.1 55.1
1281 403 20 1 1131 1 1259 0.00E+00 1264.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031191 6596 409.8 UdeM00000031191 XP_045172855.1 74 258
67 0 15 272 1002 1259 2.80E-111 409.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031192 6579 2060 UdeM00000031192 XP_033747249.1 75.1 1385
330 6 190 1570 311 1684 0.00E+00 2060 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031193 1735272 744.6 UdeM00000031193 XP_041377829.1 65
565 196 2 7 570 18 581 9.90E-212 744.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000031194 6596 192.6 UdeM00000031194 XP_045176094.1 40.3 273
144 10 11 272 1 265 6.80E-46 192.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031195 6565 124.8 UdeM00000031195 XP_022297447.1 51.3 115
54 1 17 131 219 331 9.10E-26 124.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031196 6596 92.8 UdeM00000031196 XP_045190867.1 45.4 108
 58 1 356 463 646 752 1.30E-15 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031197 6596 121.3 UdeM00000031197 XP_045181277.1 41.5 142
 79 3 2 142 181 319 1.10E-24 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031198 307959 99.4 UdeM00000031198 XP_016427559.1 72.2
 72 18 1 3 72 415 486 2.00E-18 99.4 307959
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 idei;Cyprinidae;Cyprininae;Sinocyclocheilus;Sinocyclocheilus rhinoceros
 UdeM00000031199 6596 269.2 UdeM00000031199 XP_045176664.1 32.6 574
 322 18 21 555 18 565 1.10E-68 269.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031200 6596 272.3 UdeM00000031200 XP_045174028.1 48.5 301
 133 4 1 283 1 297 1.90E-69 272.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031201 225164 533.5 UdeM00000031201 XP_009058684.1 57.3
 634 201 7 1 624 1 574 3.60E-148 533.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031202 6596 92 UdeM00000031202 XP_045172949.1 48.9 88
 43 1 1 88 87 172 4.50E-16 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031203 6596 71.6 UdeM00000031203 XP_045172949.1 51.6 62
 29 1 1 62 1 61 4.20E-10 71.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031204 6579 285.8 UdeM00000031204 XP_033748233.1 30.5 773
 441 21 17 765 15 715 1.80E-73 285.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000031205 6596 236.5 UdeM00000031205 XP_045198455.1 56.1 237
96 3 1 237 929 1157 3.70E-59 236.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031206 29159 1038.1 UdeM00000031206 XP_034338102.1 39
1766 811 38 1 1701 1 1565 1.20E-299 1038.1
29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000031207 6596 709.9 UdeM00000031207 XP_045173062.1 55.2 634
271 6 3 629 1 628 2.90E-201 709.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031208 6596 689.5 UdeM00000031208 XP_045173062.1 56.4 590
249 4 12 596 42 628 3.80E-195 689.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031209 6579 67 UdeM00000031209 XP_033756606.1 36.6 101
44 1 1 81 1 101 1.30E-08 67 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000031210 6596 696 UdeM00000031210 XP_045170640.1 67.2 519
164 2 2 518 6 520 3.60E-197 696 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031211 6596 466.8 UdeM00000031211 XP_045170633.1 84.8 282
42 1 28 308 21 302 3.00E-128 466.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031212 6596 1181.4 UdeM00000031212 XP_045170633.1 86.2
682 87 5 9 689 302 977 0.00E+00 1181.4 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031213 6596 1185.2 UdeM00000031213 XP_045170633.1 86.5
681 83 5 9 685 302 977 0.00E+00 1185.2 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031214	6596	2893.6		UdeM00000031214	XP_045170635.1	83.8				
1805	164	10	1	1680	977	2777	0.00E+00	2893.6	6596	

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031215	6596	198.4		UdeM00000031215	XP_045170633.1	84.4	122			
18	1	10	131	2782	2902	6.10E-48	198.4	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031216	1735272		67	UdeM00000031216	XP_041362544.1	39.5				
81	47	1	2	82	75	153	1.30E-08	67	1735272	

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031217	6565	244.6		UdeM00000031217	XP_022345336.1	40.2	356			
202	4	1	356	1	345	1.90E-61	244.6	6565	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031218	6596	134.4		UdeM00000031218	XP_045188485.1	35.7	199			
122	2	200	397	23	216	4.90E-28	134.4	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031220	6596	136.7		UdeM00000031220	XP_045191331.1	32.7	257			
160	5	11	265	51	296	9.30E-29	136.7	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031221	6596	143.7		UdeM00000031221	XP_045188485.1	35.6	250			
141	6	147	393	23	255	1.20E-30	143.7	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031223	6596	125.6		UdeM00000031223	XP_045191331.1	31.2	247			
158	7	110	353	51	288	3.00E-25	125.6	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031225	29159	354.4		UdeM00000031225	XP_034337912.1	63.2	302			
106	2	1	302	1	297	1.60E-94	354.4	29159	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000031226 6573 333.6 UdeM00000031226 XP_021345406.1 68.8 247
74 3 2 245 283 529 2.20E-88 333.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000031227 6565 503.8 UdeM00000031227 XP_022339168.1 39.3 1419
596 50 34 1347 111 1369 6.60E-139 503.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000031228 400727 108.2 UdeM00000031228 XP_025093046.1 52
102 41 1 1 102 1 94 7.90E-21 108.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000031229 400727 662.1 UdeM00000031229 XP_025093057.1 88.8
366 41 0 1 366 1 366 4.00E-187 662.1 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000031230 6596 598.2 UdeM00000031230 XP_045173399.1 68.8 432
131 2 1 432 62 489 8.30E-168 598.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031231 6579 348.6 UdeM00000031231 XP_033763033.1 45 389
201 6 33 417 36 415 1.10E-92 348.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031232 6596 652.9 UdeM00000031232 XP_045172508.1 59 592
230 4 1 592 1 579 3.90E-184 652.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031233 6596 418.3 UdeM00000031233 XP_045171535.1 48.4 455
210 11 21 456 1 449 1.30E-113 418.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031234 6596 185.7 UdeM00000031234 XP_045171501.1 55.2 203
38 3 53 204 500 700 6.10E-44 185.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031235 29159 327 UdeM00000031235 XP_011450371.2 52.6 359
 152 10 1 352 1 348 2.90E-86 327 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031236 6596 297 UdeM00000031236 XP_045173269.1 74.4 203
 49 1 1 200 1 203 1.80E-77 297 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031237 225164 421.8 UdeM00000031237 XP_009052044.1 40.2
 600 109 3 34 632 23 373 1.60E-114 421.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000031238 1735272 539.3 UdeM00000031238 XP_041349197.1 35.9
 1107 668 18 13 1113 119 1189 1.20E-149 539.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031240 6850 129 UdeM00000031240 XP_013774218.1 42.3 137
 67 3 14 146 22 150 5.00E-27 129 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000031242 400727 201.4 UdeM00000031242 XP_025088962.1 51.7
 172 83 0 1 172 222 393 9.40E-49 201.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000031243 400727 294.3 UdeM00000031243 XP_025088962.1 37.2
 400 138 1 1 287 222 621 1.70E-76 294.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000031244 400727 123.6 UdeM00000031244 XP_025088962.1 58.4
 89 37 0 1 89 533 621 1.30E-25 123.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000031245 6850 127.9 UdeM00000031245 XP_013774218.1 41.6 149
 74 4 3 146 10 150 1.10E-26 127.9 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000031246 6579 509.2 UdeM00000031246 XP_033760606.1 39.8 713
 414 8 6 711 7 711 1.00E-140 509.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000031247 6596 278.5 UdeM00000031247 XP_045173708.1 31.1 511
332 9 24 521 26 529 1.80E-71 278.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000031249 6579 167.9 UdeM00000031249 XP_033747570.1 61.8 136
52 0 2 137 1 136 8.80E-39 167.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000031248 6579 165.2 UdeM00000031248 XP_033747570.1 59.6 136
55 0 1 136 1 136 5.70E-38 165.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000031250 400727 596.7 UdeM00000031250 XP_025088962.1 53
551 254 5 10 558 74 621 3.10E-167 596.7 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000031252 400727 599 UdeM00000031252 XP_025088962.1 52.4
567 263 5 25 589 60 621 6.70E-168 599 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000031253 225164 109 UdeM00000031253 XP_009051954.1 46.8
126 50 2 1 109 1 126 4.10E-21 109 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiidae; Lottia; Lottia gigantea
UdeM00000031254 400727 560.5 UdeM00000031254 XP_025088962.1 50.8
535 259 3 1 533 89 621 2.40E-156 560.5 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000031255 400727 195.3 UdeM00000031255 XP_025088962.1 55.2
154 69 0 1 154 468 621 5.80E-47 195.3 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000031256 6500 386.7 UdeM00000031256 XP_012946738.1 50.6 391
184 4 38 426 36 419 3.70E-104 386.7 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiidae; Aplysioidae; Aplysiidae; Aplysia; Aplysia californica

UdeM00000031257 6596 309.7 UdeM00000031257 XP_045172577.1 55.6 268
 118 1 6 273 17 283 3.70E-81 309.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031258 6596 626.7 UdeM00000031258 XP_045173207.1 58.5 557
 187 5 17 531 32 586 2.70E-176 626.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031259 6573 217.2 UdeM00000031259 XP_021340606.1 55.1 325
 119 9 1 302 1 321 2.90E-53 217.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031260 7741 71.6 UdeM00000031260 XP_019620661.1 24.3 235
 145 5 44 258 29 250 1.70E-09 71.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000031262 6596 111.3 UdeM00000031262 XP_045196953.1 22.7 801
 474 33 30 759 20 746 5.40E-21 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031263 29159 102.8 UdeM00000031263 XP_019926412.2 48.7 115
 56 1 1 112 1 115 2.90E-19 102.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031264 6596 524.6 UdeM00000031264 XP_045167151.1 45.4 714
 374 10 1 707 72 776 1.90E-145 524.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031265 6596 167.2 UdeM00000031265 XP_045177373.1 25.7 548
 271 22 42 467 21 554 5.10E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031266 6596 104.4 UdeM00000031266 XP_045172906.1 45.5 110
 60 0 1 110 1 110 9.70E-20 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031267 6596 774.6 UdeM00000031267 XP_045171963.1 77.4 509
 112 1 9 514 36 544 7.80E-221 774.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031268 6596 436 UdeM00000031268 XP_045171964.1 71.1 304
81 4 1 298 1 303 3.80E-119 436 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031269 6596 274.2 UdeM00000031269 XP_045171964.1 65.9 211
67 3 1 207 94 303 1.30E-70 274.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031270 6565 93.6 UdeM00000031270 XP_022337738.1 34.9 186
88 6 535 711 578 739 1.10E-15 93.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031271 6596 127.5 UdeM00000031271 XP_045192489.1 41.2 187
97 5 13 191 12 193 1.80E-26 127.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031272 90988 109.8 UdeM00000031272 XP_039535825.1 60.2 83
33 0 1 83 111 193 1.80E-21 109.8 90988 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas

UdeM00000031273 6565 515 UdeM00000031273 XP_022337711.1 48 542
273 4 28 569 17 549 1.20E-142 515 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031274 6565 514.6 UdeM00000031274 XP_022337711.1 48 542
273 4 15 556 17 549 1.60E-142 514.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031277 151771 349.4 UdeM00000031277 XP_028417042.1 47.2
426 190 12 1 407 745 1154 6.40E-93 349.4 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000031278 6565 119.8 UdeM00000031278 XP_022338831.1 98.4 63
1 0 1 63 1 63 1.40E-24 119.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031279 6565 186 UdeM00000031279 XP_022338833.1 84.1 107
 17 0 26 132 86 192 3.30E-44 186 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040888 6596 228 UdeM00000040888 XP_045182316.1 29.5 671
 328 14 2 577 370 990 3.10E-56 228 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044383 6596 153.3 UdeM00000044383 XP_045211523.1 42.5 167
 94 2 2 167 2822 2987 2.80E-34 153.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044384 6565 119 UdeM00000044384 XP_022287884.1 31.9 270
 140 8 6 244 519 775 8.40E-24 119 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044385 6596 93.2 UdeM00000044385 XP_045210503.1 41.1 124
 65 6 4 123 299 418 2.80E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044386 6573 85.9 UdeM00000044386 XP_021378781.1 26 254
 154 7 17 260 46 275 8.70E-14 85.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044387 6579 206.5 UdeM00000044387 XP_033745542.1 41.6 262
 139 9 14 270 30 282 5.30E-50 206.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044388 6573 234.6 UdeM00000044388 XP_021378824.1 34.3 435
 239 12 9 420 85 495 2.30E-58 234.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026515 1735272 523.5 UdeM00000026515 XP_041347753.1 76.5
 422 99 0 1 422 1 422 2.50E-145 523.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026516 400727 638.3 UdeM00000026516 XP_025092428.1 98
 307 6 0 1 307 1 307 5.20E-180 638.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000026518 6596 180.6 UdeM00000026518 XP_045173320.1 28.9 544
304 12 1 464 2 542 4.50E-42 180.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026519 6596 147.1 UdeM00000026519 XP_045174001.1 53 117
55 0 18 134 21 137 1.60E-32 147.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026521 6573 160.6 UdeM00000026521 XP_021358159.1 33.4 302
161 8 1 264 361 660 4.40E-36 160.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000026522 6565 148.3 UdeM00000026522 XP_022344363.1 50.4 133
66 0 2 134 5 137 7.10E-33 148.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000026523 1735272 147.9 UdeM00000026523 XP_041347319.1 51.1
137 65 1 1 137 3 137 9.50E-33 147.9 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000026524 7574 96.3 UdeM00000026524 XP_013401704.1 44 91
50 1 10 100 742 831 2.50E-17 96.3 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000026525 29159 796.6 UdeM00000026525 XP_019926413.2 75.4 533
114 4 1 522 1 527 2.00E-227 796.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000026526 6596 176.8 UdeM00000026526 XP_045171871.1 53.2 203
79 7 2 195 3 198 3.10E-41 176.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026527 6573 648.3 UdeM00000026527 XP_021364951.1 36.8 892
526 9 1418 2300 59 921 3.70E-182 648.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000026528 225164 309.7 UdeM00000026528 XP_009051735.1 57.1
259 110 1 22 280 28 285 3.80E-81 309.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000026529 6596 349.4 UdeM00000026529 XP_045173249.1 36.2 553
306 11 26 561 284 806 8.70E-93 349.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026531 6596 359 UdeM00000026531 XP_045173249.1 37.7 531
306 10 26 539 284 806 1.10E-95 359 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026532 6565 68.9 UdeM00000026532 XP_022311060.1 51.1 94
37 5 16 106 107 194 9.90E-09 68.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026533 6596 362.8 UdeM00000026533 XP_045173249.1 36.3 601
348 15 45 622 218 806 8.50E-97 362.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026534 6579 1568.9 UdeM00000026534 XP_033748362.1 72.3
1064 292 2 1 1063 5 1066 0.00E+00 1568.9 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026535 6579 334.7 UdeM00000026535 XP_033748053.1 36.6 607
271 14 3 602 9 508 2.70E-88 334.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026536 1735272 237.3 UdeM00000026536 XP_041347958.1 66.2
160 53 1 19 177 533 692 1.50E-59 237.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026537 6596 409.5 UdeM00000026537 XP_045171112.1 40.1 649
356 9 5 627 4 645 7.90E-111 409.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026538 29159 86.7 UdeM00000026538 XP_019920570.2 31.2 189
124 2 1 183 1 189 3.50E-14 86.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026539 6573 506.9 UdeM00000026539 XP_021364757.1 59.5 439
 174 3 11 449 8 442 2.60E-140 506.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026540 6579 161 UdeM00000026540 XP_033756313.1 41.8 194
 109 1 18 211 285 474 1.70E-36 161 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026541 6596 235.7 UdeM00000026541 XP_045164819.1 38.5 348
 194 9 5 338 90 431 8.60E-59 235.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026542 6596 84.3 UdeM00000026542 XP_045200488.1 38.4 172
 85 3 1 159 1 164 1.80E-13 84.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026543 6596 144.8 UdeM00000026543 XP_045200488.1 49.4 172
 79 4 20 183 1 172 1.10E-31 144.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026544 6579 206.5 UdeM00000026544 XP_033739546.1 37.8 270
 164 2 1 267 61 329 4.60E-50 206.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026545 218467 301.6 UdeM00000026545 XP_023212519.1 53.1
 292 136 1 15 306 6 296 1.30E-78 301.6 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000026546 6596 307.8 UdeM00000026546 XP_045172190.1 45.2 722
 266 26 279 897 15 709 4.70E-80 307.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026547 441366 218.8 UdeM00000026547 XP_028296753.1 40.8
 319 174 8 6 323 32 336 1.00E-53 218.8 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen

niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000026548 6596 62.8 UdeM00000026548 XP_045172191.1 46.9 96
 35 3 24 119 181 260 4.70E-07 62.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026550 6573 103.2 UdeM00000026550 XP_021365625.1 49.5 105
 53 0 95 199 22 126 5.00E-19 103.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026552 6573 630.2 UdeM00000026552 XP_021364783.1 52.3 650
 273 7 9 625 27 672 2.90E-177 630.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026553 6573 489.6 UdeM00000026553 XP_021349923.1 76.5 307
 72 0 1 307 1 307 3.00E-135 489.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026554 6573 268.5 UdeM00000026554 XP_021349925.1 33.7 695
 330 18 51 728 50 630 3.40E-68 268.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026555 6573 453.8 UdeM00000026555 XP_021349930.1 77.7 256
 57 0 49 304 35 290 2.20E-124 453.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026556 6596 98.2 UdeM00000026556 XP_045171750.1 54.3 92
 41 1 6 97 339 429 6.10E-18 98.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026557 6596 4453.3 UdeM00000026557 XP_045170900.1 66.7
 3559 1025 32 8 3480 934 4417 0.00E+00 4453.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026558 6596 5523.4 UdeM00000026558 XP_045170900.1 64.8
 4503 1371 40 1 4376 1 4417 0.00E+00 5523.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000026559 6596 407.9 UdeM00000026559 XP_045170723.1 67.6 321
 90 4 1 321 1 307 1.20E-110 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026560 29159 422.9 UdeM00000026560 XP_034339038.1 57.1 366
 147 4 1 363 1 359 4.00E-115 422.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026561 6596 409.1 UdeM00000026561 XP_045172547.1 37.1 755
 354 18 6 650 70 813 1.10E-110 409.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026562 6573 858.6 UdeM00000026562 XP_021370424.1 72.6 753
 174 11 1 751 1 723 7.80E-246 858.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026563 6573 179.1 UdeM00000026563 XP_021370423.1 79.4 107
 20 1 1 107 1 105 3.00E-42 179.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026564 6579 553.5 UdeM00000026564 XP_033748821.1 70.4 362
 106 1 478 838 21 382 4.60E-154 553.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026566 6596 289.3 UdeM00000026566 XP_045210985.1 49.3 296
 142 3 2 295 1 290 6.20E-75 289.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026567 6579 371.7 UdeM00000026567 XP_033746863.1 67.3 281
 88 4 6 284 77 355 8.30E-100 371.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026568 6596 85.5 UdeM00000026568 XP_045173349.1 33.5 155
 83 4 16 156 11 159 6.80E-14 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026569 6596 342.4 UdeM00000026569 XP_045208720.1 32.7 779
 475 25 16 770 184 937 1.70E-90 342.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026570 6596 285 UdeM00000026570 XP_045208720.1 30 779
 434 25 16 708 184 937 3.00E-73 285 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026571 1735272 110.5 UdeM00000026571 XP_041378712.1 46
 100 54 0 3 102 428 527 1.50E-21 110.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026572 6596 389 UdeM00000026572 XP_045173349.1 30.8 919
 570 29 21 902 61 950 1.80E-104 389 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026573 6596 312.8 UdeM00000026573 XP_045173349.1 27.6 965
 489 27 16 795 11 950 1.40E-81 312.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026574 6596 171.4 UdeM00000026574 XP_045173349.1 35.5 324
 180 11 43 346 11 325 3.40E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026575 6596 171.4 UdeM00000026575 XP_045173349.1 35.5 324
 180 11 43 346 11 325 3.60E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026576 6596 378.3 UdeM00000026576 XP_045173349.1 30.2 906
 531 27 26 851 66 950 3.00E-101 378.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026577 6596 186 UdeM00000026577 XP_045209522.1 27.2 569
 339 20 61 601 26 547 1.60E-43 186 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026578 6596 146 UdeM00000026578 XP_045208720.1 38.5 257
 143 8 26 272 191 442 7.60E-32 146 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026579 6596 171.4 UdeM00000026579 XP_045173349.1 32.1 417
 265 12 7 414 638 1045 3.50E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026580 6596 253.4 UdeM00000026580 XP_045208720.1 28.8 751
 470 18 17 717 559 1294 8.30E-64 253.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026581 6596 259.6 UdeM00000026581 XP_045173349.1 34.1 525
 302 16 18 516 11 517 8.70E-66 259.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026583 6596 128.6 UdeM00000026583 XP_045173349.1 31.5 298
 175 9 330 622 637 910 3.40E-26 128.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026584 6579 166.8 UdeM00000026584 XP_033731328.1 55.3 150
 57 2 140 279 63 212 4.00E-38 166.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026585 7654 340.5 UdeM00000026585 XP_041460940.1 59.9 232
 93 0 113 344 91 322 3.20E-90 340.5 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000026586 7654 342 UdeM00000026586 XP_041460940.1 60.1 233
 93 0 113 345 91 323 1.10E-90 342 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000026587 7654 176.8 UdeM00000026587 XP_041460940.1 60.5 119
 47 0 5 123 205 323 3.00E-41 176.8 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000026588 6596 339 UdeM00000026588 XP_045215232.1 53 317
 145 3 6 320 157 471 7.60E-90 339 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026589 6596 287 UdeM00000026589 XP_045173656.1 53.3 274
 127 1 1 273 203 476 3.20E-74 287 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026590 6596 218 UdeM00000026590 XP_045173656.1 54.3 184
77 2 13 196 20 196 1.20E-53 218 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026591 6596 501.9 UdeM00000026591 XP_045173656.1 54.6 456
206 1 24 478 21 476 9.50E-139 501.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026592 6596 545.4 UdeM00000026592 XP_045173656.1 57.6 469
191 2 5 472 12 473 8.00E-152 545.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026593 6596 594.3 UdeM00000026593 XP_045173656.1 62.5 475
171 3 1 474 5 473 1.50E-166 594.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026595 6579 545.8 UdeM00000026595 XP_033748145.1 84 307
48 1 1 306 129 435 3.50E-152 545.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026594 29159 761.5 UdeM00000026594 XP_011448705.1 83 435
74 0 1 435 4 438 5.70E-217 761.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026596 1735272 438.3 UdeM00000026596 XP_041347902.1 53.5
381 173 2 86 463 15 394 1.30E-119 438.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026597 6596 134.8 UdeM00000026597 XP_045193891.1 24.9 786
478 30 18 768 19 727 4.70E-28 134.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026598 6596 98.6 UdeM00000026598 XP_045193883.1 26.3 391
237 12 204 573 178 538 3.00E-17 98.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026599 37621 204.9 UdeM00000026599 XP_014679849.1 60.5 147
 58 0 3 149 299 445 7.40E-50 204.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000026600 37621 208.8 UdeM00000026600 XP_014679849.1 55.4 168
 75 0 3 170 299 466 6.30E-51 208.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000026601 37621 240.7 UdeM00000026601 XP_014679850.1 51.1 276
 39 2 1 181 236 510 1.40E-60 240.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000026603 6596 137.5 UdeM00000026603 XP_045194130.1 26.2 557
 339 20 174 710 253 757 6.80E-29 137.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026602 6596 138.3 UdeM00000026602 XP_045194130.1 23.8 790
 484 29 18 766 45 757 4.30E-29 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026604 6596 110.9 UdeM00000026604 XP_045193883.1 25.9 482
 308 16 307 772 267 715 7.50E-21 110.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026605 6565 142.5 UdeM00000026605 XP_022337731.1 43.2 206
 109 4 98 300 9 209 8.70E-31 142.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026606 29159 306.2 UdeM00000026606 XP_034322429.1 41.7 393
 193 2 4 360 1 393 5.70E-80 306.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026607 6596 116.7 UdeM00000026607 XP_045196953.1 23.7 801
 498 28 24 788 20 743 1.40E-22 116.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026608 6596 120.9 UdeM00000026608 XP_045193883.1 25.3 526
 312 18 280 772 249 726 7.20E-24 120.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026609 1735272 443.4 UdeM00000026609 XP_041347902.1 54.1
381 171 2 21 398 15 394 3.20E-121 443.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026610 1735272 443.4 UdeM00000026610 XP_041347902.1 54.1
381 171 2 87 464 15 394 3.70E-121 443.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000044256 6500 90.1 UdeM00000044256 XP_012944080.1 40.3 139
80 3 62 199 306 442 3.50E-15 90.1 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000000120 6579 122.5 UdeM00000000120 XP_033737835.1 36.6 164
90 4 92 249 272 427 7.90E-25 122.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000121 6596 131 UdeM00000000121 XP_045190986.1 43.2 155
72 7 4 147 18 167 1.30E-27 131 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000122 6596 122.1 UdeM00000000122 XP_045207896.1 43.1 130
72 2 18 145 19 148 6.50E-25 122.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000123 29159 93.2 UdeM00000000123 XP_034323727.1 45.1 102
49 4 1 98 44 142 2.30E-16 93.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000124 6596 152.1 UdeM00000000124 XP_045190714.1 27.5 459
312 12 257 706 21 467 2.70E-33 152.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000125 6565 118.2 UdeM00000000125 XP_022341277.1 34 197
125 2 499 695 1516 1707 4.40E-23 118.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000127 1735272 79.3 UdeM00000000127 XP_041379274.1 34.4
 122 78 2 2 122 245 365 3.90E-12 79.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000128 29159 114.4 UdeM00000000128 XP_034329176.1 31.5 168
 113 1 493 660 1350 1515 6.00E-22 114.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000129 6596 130.6 UdeM00000000129 XP_045167210.1 23.8 509
 329 16 223 683 1029 1526 8.30E-27 130.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000134 400727 67.8 UdeM00000000134 XP_025111741.1 44
 91 49 2 35 125 1 89 1.10E-08 67.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000000135 6596 195.7 UdeM00000000135 XP_045177779.1 38.3 303
 165 5 1 282 97 398 8.20E-47 195.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000136 6596 175.6 UdeM00000000136 XP_045179269.1 47.2 193
 101 1 2 193 262 454 2.90E-40 175.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000140 29159 102.1 UdeM00000000140 XP_011434892.2 34.6 243
 130 7 53 278 33 263 1.20E-18 102.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000141 6596 241.5 UdeM00000000141 XP_045188127.1 54.8 219
 88 3 9 219 11 226 1.00E-60 241.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000142 6596 1149.8 UdeM00000000142 XP_045190284.1 49.1
 1149 565 11 229 1364 28 1169 0.00E+00 1149.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000143 6573 255 UdeM00000000143 XP_021378673.1 43.4 286
 161 1 447 732 533 817 2.90E-64 255 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000144 6573 66.6 UdeM00000000144 XP_021342257.1 39.7 78
 45 1 25 102 29 104 2.20E-08 66.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000145 7574 267.7 UdeM00000000145 XP_013412988.1 63.7 204
 72 2 759 961 564 766 5.70E-68 267.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000000146 6579 610.9 UdeM00000000146 XP_033756814.1 57 551
 199 6 1 536 1 528 1.50E-171 610.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000148 6596 486.1 UdeM00000000148 XP_045188600.1 61.2 415
 141 5 1 401 6 414 4.30E-134 486.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000149 6573 120.6 UdeM00000000149 XP_021371061.1 38.3 206
 101 7 2 188 33 231 2.60E-24 120.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000150 37621 337.8 UdeM00000000150 XP_014679849.1 33.4 587
 168 3 1 364 31 617 1.70E-89 337.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000000151 225164 439.5 UdeM00000000151 XP_009062715.1 75.9
 266 64 0 1 266 496 761 3.10E-120 439.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000000152 6579 168.7 UdeM00000000152 XP_033757235.1 72.2 108
 30 0 1 108 770 877 4.30E-39 168.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000154 45264 124.8 UdeM00000000154 XP_044184037.1 36.6 194
 106 5 97 273 171 364 1.70E-25 124.8 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000000156 1735272 713.4 UdeM00000000156 XP_041370674.1 46
 808 312 6 5 775 6 726 3.20E-202 713.4 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000000157 6596 216.1 UdeM00000000157 XP_045190126.1 43 256
145 1 1 256 5 259 1.10E-52 216.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000158 6596 148.7 UdeM00000000158 XP_045189000.1 41.3 172
100 1 76 247 43 213 1.00E-32 148.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000159 6596 69.3 UdeM00000000159 XP_045188126.1 26.1 268
150 11 15 249 2 254 8.80E-09 69.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000160 6596 729.6 UdeM00000000160 XP_045190519.1 41.4 962
526 18 2 941 78 1023 5.30E-207 729.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000000161 6573 759.2 UdeM00000000161 XP_021374599.1 38.7 1534
788 35 2 1414 867 2368 9.30E-216 759.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000000162 6573 774.6 UdeM00000000162 XP_021374599.1 39 1534
804 35 2 1436 867 2368 2.20E-220 774.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000000163 6573 1051.2 UdeM00000000163 XP_021374599.1 33.6
2438 1257 51 63 2339 132 2368 1.90E-303 1051.2 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000000164 6573 1067 UdeM00000000164 XP_021374599.1 33.8 2438
1273 51 63 2361 132 2368 3.50E-308 1067 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000000165 6573 755.7 UdeM00000000165 XP_021374599.1 37.9 1534
799 33 2 1414 867 2368 1.00E-214 755.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000166 6596 409.1 UdeM00000000166 XP_045190519.1 39.2 536
 309 9 2 525 78 608 1.20E-110 409.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000167 6596 570.1 UdeM00000000167 XP_045190522.1 42.8 766
 360 17 62 767 10 757 4.30E-159 570.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000168 6596 602.1 UdeM00000000168 XP_045190522.1 44.1 776
 358 17 62 789 10 757 1.10E-168 602.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000169 1735272 218 UdeM00000000169 XP_041370453.1 22.3
 1045 681 21 3519 4501 2045 3020 2.50E-52 218 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000170 6596 296.2 UdeM00000000170 XP_045188842.1 58.8 255
 105 0 1 255 1 255 4.00E-77 296.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000171 6596 197.6 UdeM00000000171 XP_045188949.1 43.5 248
 113 8 1 233 1 236 1.80E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000172 6596 339.7 UdeM00000000172 XP_045169782.1 51.6 318
 152 2 1 317 56 372 3.90E-90 339.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000173 6565 77.4 UdeM00000000173 XP_022288562.1 48.1 81
 42 0 1 81 73 153 1.40E-11 77.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000174 6596 1745.3 UdeM00000000174 XP_045188338.1 58.4
 1434 469 11 19 1327 62 1492 0.00E+00 1745.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000175 6596 1887.8 UdeM00000000175 XP_045188338.1 61.6
1434 495 11 19 1400 62 1492 0.00E+00 1887.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000176 6596 557.8 UdeM00000000176 XP_045190636.1 49.3 552
276 3 1 548 1 552 1.60E-155 557.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000186 29159 182.2 UdeM00000000186 XP_034315954.1 69.8 126
37 1 1 125 1077 1202 4.20E-43 182.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000187 8364 73.9 UdeM00000000187 XP_031762633.1 23.8 181
138 0 5 185 128 308 2.30E-10 73.9 8364 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoide
a;Pipidae;Xenopodinae;Xenopus;Silurana;Xenopus tropicalis

UdeM00000000188 6596 746.1 UdeM00000000188 XP_045189718.1 56.6 663
229 11 19 630 4 658 3.60E-212 746.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000189 6596 216.9 UdeM00000000189 XP_045190074.1 42.9 252
140 2 2 250 27 277 3.20E-53 216.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000190 6596 597 UdeM00000000190 XP_045188716.1 62.6 478
176 2 1 477 5 480 2.10E-167 597 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000191 6596 275.8 UdeM00000000191 XP_045189335.1 70.4 189
55 1 264 452 275 462 1.20E-70 275.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000192 6596 2483 UdeM00000000192 XP_045189335.1 51.6 2541
867 25 1 2506 563 2776 0.00E+00 2483 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000000193 6596 165.2 UdeM00000000193 XP_045189334.1 76.8 99
 23 0 11 109 281 379 5.00E-38 165.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000194 6573 536.6 UdeM00000000194 XP_021375404.1 66.5 376
 125 1 1 375 13 388 2.70E-149 536.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000195 6596 527.3 UdeM00000000195 XP_045188741.1 68.6 357
 112 0 9 365 23 379 1.50E-146 527.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000196 6573 731.5 UdeM00000000196 XP_021375453.1 53.9 883
 378 9 1 865 1 872 1.30E-207 731.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000197 6573 737.3 UdeM00000000197 XP_021375453.1 54 881
 378 8 1 863 1 872 2.30E-209 737.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000198 6573 363.6 UdeM00000000198 XP_021375438.1 68.7 265
 69 4 1 251 1 265 2.00E-97 363.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000200 6945 61.6 UdeM00000000200 XP_042146199.1 27.5 222
 144 5 72 280 14 231 2.00E-06 61.6 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000000201 6412 719.9 UdeM00000000201 XP_009017289.1 56.8 602
 250 5 3 597 2 600 2.60E-204 719.9 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000000202 6596 88.6 UdeM00000000202 XP_045186970.1 20.9 617
 394 15 25 564 46 645 2.80E-14 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000203 6573 383.3 UdeM00000000203 XP_021357827.1 59 354
 122 6 1 346 6 344 7.50E-103 383.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000203 6573 56.2 UdeM00000000203 XP_021357827.1 70.3 37
 11 0 639 675 577 613 2.10E-04 56.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000204 6596 769.6 UdeM00000000204 XP_045188984.1 44.2 1039
 538 17 1 1019 1 1017 4.90E-219 769.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000205 6596 767.3 UdeM00000000205 XP_045188984.1 44.3 1039
 536 18 1 1018 1 1017 2.40E-218 767.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000206 37653 379 UdeM00000000206 XP_014789268.1 82 222
 40 0 1 222 1 222 4.20E-102 379 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000000212 6573 369.8 UdeM00000000212 XP_021371859.1 42.6 479
 241 12 212 676 366 824 8.00E-99 369.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000214 6596 491.9 UdeM00000000214 XP_045190692.1 51.7 491
 224 4 22 508 7 488 1.20E-135 491.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000216 29159 532.3 UdeM00000000216 XP_034322046.1 53.2 521
 217 6 1 495 151 670 6.40E-148 532.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000215 29159 543.1 UdeM00000000215 XP_034322046.1 51.8 568
 244 9 51 590 105 670 4.30E-151 543.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000217 6596 63.2 UdeM00000000217 XP_045190692.1 43.4 76
 43 0 19 94 524 599 2.10E-07 63.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000218 6596 175.6 UdeM00000000218 XP_045189593.1 78.4 111
 24 0 59 169 20 130 5.20E-41 175.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000219 6596 249.2 UdeM00000000219 XP_045189593.1 54.3 254
 95 3 1 254 115 347 5.80E-63 249.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000220 6596 894.8 UdeM00000000220 XP_045189593.1 77.7 588
 117 4 1 574 365 952 5.70E-257 894.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000221 6596 540.8 UdeM00000000221 XP_045189586.1 75.4 345
 85 0 1 345 1 345 1.30E-150 540.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000222 6573 266.2 UdeM00000000222 XP_021372969.1 72.2 176
 49 0 227 402 221 396 7.00E-68 266.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000224 6565 107.1 UdeM00000000224 XP_022338516.1 62.8 78
 29 0 1 78 1 78 1.10E-20 107.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000223 6596 812.4 UdeM00000000223 XP_045189040.1 73.8 511
 130 3 1 511 1 507 3.40E-232 812.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000225 1735272 231.5 UdeM00000000225 XP_041379319.1 50.2
 215 85 3 81 275 710 922 1.30E-57 231.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000000226 6596 1245 UdeM00000000226 XP_045189040.1 75.6 800
 188 5 9 806 504 1298 0.00E+00 1245 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000227 6573 324.3 UdeM00000000227 XP_021361181.1 65.8 222
 74 1 4 223 5 226 1.20E-85 324.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000228 6596 266.2 UdeM00000000228 XP_045189478.1 57.5 221
 94 0 1 221 1 221 3.80E-68 266.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000230 6596 353.6 UdeM00000000230 XP_045190232.1 46.4 414
 168 3 92 503 12 373 4.30E-94 353.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000231 29159 439.9 UdeM00000000231 XP_011455096.2 81.2 250
 47 0 1 250 1 250 2.20E-120 439.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000232 6579 650.2 UdeM00000000232 XP_033757668.1 49 647
 322 5 97 737 66 710 3.30E-183 650.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000000233 6596 255.8 UdeM00000000233 XP_045182239.1 50.2 247
 116 5 1 243 407 650 6.40E-65 255.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000234 6596 380.9 UdeM00000000234 XP_045183048.1 59 315
 125 2 27 339 31 343 1.80E-102 380.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000235 6596 787.3 UdeM00000000235 XP_045188478.1 53.5 694
 307 4 34 713 34 725 1.60E-224 787.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000236 6596 647.9 UdeM00000000236 XP_045188478.1 44.7 750
 322 5 34 769 34 704 1.60E-182 647.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000237 6596 796.6 UdeM00000000237 XP_045188478.1 53.6 694
 306 4 34 713 34 725 2.60E-227 796.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000238 6596 176 UdeM00000000238 XP_045188478.1 69.4 108
 33 0 14 121 618 725 2.90E-41 176 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000239 6596 629.8 UdeM00000000239 XP_045188478.1 68.1 417
133 0 1 417 188 604 2.50E-177 629.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000240 6596 192.2 UdeM00000000240 XP_045190811.1 56.9 167
69 1 53 219 26 189 7.70E-46 192.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000242 6596 287.3 UdeM00000000242 XP_045188575.1 80.7 218
40 1 1 216 1 218 1.60E-74 287.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000243 6087 72.8 UdeM00000000243 XP_012563759.1 32 147
90 4 44 180 199 345 5.60E-10 72.8 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydrozoa;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000000244 6596 770.8 UdeM00000000244 XP_045156491.1 46.2 900
413 9 3 835 1347 2242 1.80E-219 770.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000245 6596 97.1 UdeM00000000245 XP_045190849.1 25.6 293
192 7 45 328 101 376 4.70E-17 97.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000246 6596 129.4 UdeM00000000246 XP_045190849.1 25.3 360
231 10 17 358 50 389 9.10E-27 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000247 2607531 587.8 UdeM00000000247 XP_029645267.1 78.8
359 75 1 1 358 15 373 1.20E-164 587.8 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000000248 6565 522.3 UdeM00000000248 XP_022345866.1 66.3 380
117 4 2 380 3 372 5.10E-145 522.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000000250 6565 322 UdeM00000000250 XP_022345866.1 59.4 266
98 3 2 267 3 258 7.30E-85 322 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000000249 6565 458.8 UdeM00000000249 XP_022345866.1 59.2 380
144 4 2 380 3 372 6.90E-126 458.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000000251 400727 133.7 UdeM00000000251 XP_025095375.1 78.9
76 16 0 10 85 315 390 1.20E-28 133.7 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000000252 29159 461.1 UdeM00000000252 XP_034328205.1 62.2 362
129 3 57 418 19 372 1.50E-126 461.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000000253 29159 458.4 UdeM00000000253 XP_034328205.1 61.6 362
131 3 31 392 19 372 9.30E-126 458.4 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000000255 1735272 361.3 UdeM00000000255 XP_041369564.1 65.5
293 97 3 30 319 52 343 1.40E-96 361.3 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000000256 1735272 62.8 UdeM00000000256 XP_041369564.1 63
46 17 0 1 46 369 414 5.00E-07 62.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000000257 6579 383.6 UdeM00000000257 XP_033757257.1 51.7 350
156 3 33 382 25 361 2.90E-103 383.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000000258 6565 208 UdeM00000000258 XP_022289157.1 83.5 133
22 0 1 133 1 133 7.50E-51 208 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000000259 6596 298.1 UdeM00000000259 XP_045188978.1 39.2 495
243 11 1 453 133 611 2.80E-77 298.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000260 6596 120.6 UdeM00000000260 XP_045188227.1 57.4 115
 44 2 147 256 102 216 3.00E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000000261 6573 214.2 UdeM00000000261 XP_021371925.1 51.7 176
 85 0 27 202 26 201 1.60E-52 214.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000262 29159 256.1 UdeM00000000262 XP_034328907.1 60.6 208
 82 0 1 208 406 613 3.90E-65 256.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000000263 6565 259.2 UdeM00000000263 XP_022288732.1 50.6 269
 109 5 5 272 149 394 5.80E-66 259.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000264 6565 204.9 UdeM00000000264 XP_022288732.1 48.3 230
 95 5 5 233 149 355 1.20E-49 204.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000000265 7574 208 UdeM00000000265 XP_013406546.1 62.8 145
 52 1 1 145 1 143 8.20E-51 208 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000000266 6596 447.6 UdeM00000000266 XP_045191015.1 65.1 350
 118 2 33 380 27 374 1.70E-122 447.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM000000033660 6596 82.4 UdeM000000033660 XP_045188177.1 53.5 71
 31 1 112 180 58 128 6.40E-13 82.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM000000033662 50429 161 UdeM000000033662 XP_022802642.1 71.7 99
 28 0 1 99 1 99 8.00E-37 161 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata
 UdeM000000033663 6565 93.6 UdeM000000033663 XP_022303603.1 34.1 176
 106 5 13 187 11 177 3.10E-16 93.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033664 6596 154.8 UdeM00000033664 XP_045189084.1 33.5 266
 148 7 20 282 1763 2002 2.80E-34 154.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033665 6596 83.2 UdeM00000033665 XP_045179269.1 39 105
 61 1 323 424 225 329 8.90E-13 83.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033666 6596 193.7 UdeM00000033666 XP_045177778.1 36.8 329
 171 7 1 327 405 698 3.80E-46 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033667 29159 79 UdeM00000033667 XP_034318217.1 58.6 58
 24 0 8 65 817 874 2.70E-12 79 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033668 6596 174.1 UdeM00000033668 XP_045216906.1 34 294
 145 6 1 248 1 291 2.20E-40 174.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033669 150288 210.7 UdeM00000033669 XP_020788097.1 69.3
 127 39 0 2 128 439 565 1.10E-51 210.7 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000033671 6565 82.8 UdeM00000033671 XP_022305107.1 32.3 167
 93 5 17 183 949 1095 5.60E-13 82.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033670 6596 280.8 UdeM00000033670 XP_045177779.1 30 646
 277 7 1 636 97 577 5.80E-72 280.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033672 1735272 119.4 UdeM00000033672 XP_041375784.1 31.9
 301 182 8 3 295 313 598 9.90E-24 119.4 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000033673 3914 179.5 UdeM00000033673 XP_017411387.1 29.4 483
317 9 258 718 111 591 1.60E-41 179.5 3914 cellular
organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
;Tracheophyta;Euphylllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
udicotyledons;Gunneridae;Pentapetalae;rosids;fabids;Fabales;Fabaceae;Papi
lionoideae;50 kb inversion clade;NPAAA clade;indigoferoid/millettioid
clade;Phaseoleae;Vigna;Vigna angularis
UdeM00000033674 29159 76.3 UdeM00000033674 XP_034316771.1 29.3 167
98 3 60 226 12 158 6.30E-11 76.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033675 6596 283.5 UdeM00000033675 XP_045189084.1 35 517
271 8 1 513 1350 1805 5.70E-73 283.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033677 202533 324.3 UdeM00000033677 XP_035218899.1 37
468 272 8 1 447 1 466 2.40E-85 324.3 202533
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
UdeM00000033678 6596 396 UdeM00000033678 XP_045177776.1 38.5 572
297 8 1 557 405 936 1.20E-106 396 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033679 37653 147.5 UdeM00000033679 XP_014782194.1 70.7 92
27 0 1 92 1 92 1.50E-32 147.5 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000033680 37653 87.8 UdeM00000033680 XP_014784938.1 54 63
29 0 1 63 300 362 6.20E-15 87.8 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000033681 6596 144.4 UdeM00000033681 XP_045181277.1 33.6 235
145 6 87 315 143 372 2.70E-31 144.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033682 6579 265.4 UdeM00000033682 XP_033730606.1 43.9 358
184 8 1 347 1 352 1.00E-67 265.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033683 6596 119.4 UdeM00000033683 XP_045181277.1 38.7 168
 92 4 8 171 212 372 4.90E-24 119.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016712 6596 407.1 UdeM00000016712 XP_045196251.1 49.9 387
 190 2 23 407 16 400 2.70E-110 407.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016713 6596 138.3 UdeM00000016713 XP_045195726.1 44.4 153
 85 0 16 168 11 163 9.20E-30 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016714 6565 485 UdeM00000016714 XP_022288637.1 75.3 291
 72 0 6 296 7 297 7.00E-134 485 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016715 6596 384 UdeM00000016715 XP_045197517.1 67.1 511
 134 3 5 515 3 479 3.30E-103 384 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016716 6596 231.5 UdeM00000016716 XP_045196955.1 51.3 261
 113 5 43 291 59 317 2.90E-57 231.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016717 400727 171.8 UdeM00000016717 XP_025103593.1 28.5
 330 232 4 25 352 44 371 1.60E-39 171.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000016718 6596 307 UdeM00000016718 XP_045165764.1 43.3 395
 201 7 30 416 8 387 3.70E-80 307 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016720 6565 89.7 UdeM00000016720 XP_022291703.1 31.4 185
 96 4 1275 1456 630 786 3.20E-14 89.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016721 225164 343.6 UdeM00000016721 XP_009045462.1 78.2
 225 49 0 1 225 1 225 3.00E-91 343.6 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000016722 6596 1789.2 UdeM00000016722 XP_045198251.1 64.3
1343 425 9 1 1300 2142 3473 0.00E+00 1789.2 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016723 6596 809.3 UdeM00000016723 XP_045198251.1 47.6 960
455 17 1 948 1246 2169 9.20E-231 809.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016724 7741 288.9 UdeM00000016724 XP_019622111.1 51.8 280
132 3 39 317 1 278 7.90E-75 288.9 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri

UdeM00000016725 6596 1513 UdeM00000016725 XP_045198251.1 62.4 1260
426 13 1 1242 1 1230 0.00E+00 1513 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016726 6596 1518.1 UdeM00000016726 XP_045198251.1 63
1246 427 12 1 1228 1 1230 0.00E+00 1518.1 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016727 6596 422.5 UdeM00000016727 XP_045195104.1 67.9 299
96 0 68 366 61 359 5.30E-115 422.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016728 6596 131.3 UdeM00000016728 XP_045198142.1 38 184
108 4 7 188 249 428 1.30E-27 131.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016730 6579 130.2 UdeM00000016730 XP_033743219.1 37.7 199
107 6 26 219 34 220 3.30E-27 130.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016729 1735272 85.9 UdeM00000016729 XP_041379610.1 33.3
165 95 2 7 163 12 169 5.60E-14 85.9 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000016732 6573 926.4 UdeM00000016732 XP_021352421.1 99.8 451
1 0 1 451 1 451 1.40E-266 926.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016733 6573 94 UdeM00000016733 XP_021365625.1 52.9 87
41 0 17 103 40 126 2.60E-16 94 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016734 29159 145.6 UdeM00000016734 XP_034320422.1 74.7 83
21 0 58 140 142 224 5.20E-32 145.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016735 6596 471.9 UdeM00000016735 XP_045197918.1 62.4 386
131 4 14 387 23 406 8.00E-130 471.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016736 400727 428.3 UdeM00000016736 XP_025097674.1 86.7
225 29 1 21 244 26 250 6.50E-117 428.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000016737 6596 210.3 UdeM00000016737 XP_045197008.1 55.9 454
160 8 82 514 60 494 5.80E-51 210.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016738 1735272 287.3 UdeM00000016738 XP_041352236.1 53.9
419 167 5 1 417 5 399 4.30E-74 287.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000016739 6573 146 UdeM00000016739 XP_021355283.1 55.7 122
54 0 1 122 1 122 3.20E-32 146 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016740 6565 110.5 UdeM00000016740 XP_022294427.1 54.1 146
59 1 8 145 122 267 1.80E-21 110.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016742 6579 193.4 UdeM00000016742 XP_033740374.1 60.1 203
 64 2 1 203 603 788 3.10E-46 193.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016741 6573 312 UdeM00000016741 XP_021355288.1 36.9 872
 381 27 1 792 1 783 2.20E-81 312 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016743 6573 382.5 UdeM00000016743 XP_021355290.1 42.3 523
 274 7 4 516 30 534 1.00E-102 382.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016744 29159 927.9 UdeM00000016744 XP_011455166.2 58.2 819
 317 3 26 821 30 846 8.70E-267 927.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016746 6565 269.6 UdeM00000016746 XP_022291125.1 76.2 160
 38 0 1 160 347 506 2.50E-69 269.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016745 6579 659.8 UdeM00000016745 XP_033739576.1 63.1 496
 177 3 1 496 1 490 2.70E-186 659.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016747 6596 234.6 UdeM00000016747 XP_045197935.1 62 208
 53 5 1 186 1 204 1.00E-58 234.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016748 6596 1023.5 UdeM00000016748 XP_045197932.1 64.7
 834 240 9 1 810 1 804 1.90E-295 1023.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016749 6596 1034.2 UdeM00000016749 XP_045197930.1 65
 840 240 9 1 816 1 810 1.10E-298 1034.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016750 6596 182.6 UdeM00000016750 XP_045196972.1 79.2 130
 26 1 1 130 1 129 3.30E-43 182.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016751	6596	1401.7		UdeM00000016751	XP_045196668.1	88.7				
	794	71	2	3	796	1	775	0.00E+00	1401.7	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016753	6565	242.7		UdeM00000016753	XP_022292967.1	73.7	175			
	43	2	1	172	1	175	4.10E-61	242.7	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016752	29159	276.9		UdeM00000016752	XP_034331710.1	77.8	189			
	39	2	1	186	9	197	1.80E-71	276.9	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016754	6596	265		UdeM00000016754	XP_045195519.1	45.3	287			
	145	4	45	325	11	291	1.30E-67	265	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016755	6596	269.2		UdeM00000016755	XP_045195519.1	45.6	285			
	145	3	45	323	11	291	6.60E-69	269.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016756	6596	265		UdeM00000016756	XP_045195519.1	45.3	287			
	145	4	6	286	11	291	1.10E-67	265	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016759	6565	357.5		UdeM00000016759	XP_022316307.1	37.9	593			
	334	12	1	572	5	584	3.40E-95	357.5	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016760	7962	274.6		UdeM00000016760	XP_042617353.1	32.8	528			
	331	9	176	695	11	522	3.60E-70	274.6	7962	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
idei;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio

UdeM00000016761	6596	199.9		UdeM00000016761	XP_045195520.1	31.3	390			
	147	4	14	402	20	289	6.10E-48	199.9	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016762 6596 243.8 UdeM00000016762 XP_045195519.1 45.3 278
 138 3 15 283 20 292 2.60E-61 243.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016763 6596 244.2 UdeM00000016763 XP_045195519.1 45.3 278
 138 3 5 273 20 292 1.90E-61 244.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016764 6596 191.8 UdeM00000016764 XP_045195519.1 37.7 276
 140 5 127 375 20 290 1.60E-45 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016765 6596 191.8 UdeM00000016765 XP_045195519.1 37.7 276
 140 5 109 357 20 290 1.50E-45 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016766 6596 692.6 UdeM00000016766 XP_045197137.1 49.9 787
 336 15 19 755 813 1591 5.70E-196 692.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016767 6579 584.7 UdeM00000016767 XP_033741236.1 54.9 563
 222 8 1 543 1 551 1.20E-163 584.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016768 6596 1019.6 UdeM00000016768 XP_045197147.1 62.2
 825 296 9 1 818 1 816 2.20E-294 1019.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016769 6596 314.3 UdeM00000016769 XP_045198905.1 49.4 352
 166 5 49 394 52 397 2.20E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016770 6573 154.1 UdeM00000016770 XP_021360738.1 62.6 107
 40 0 1 107 85 191 1.00E-34 154.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016771 6565 93.2 UdeM00000016771 XP_022299727.1 39.8 133
73 2 1 131 46 173 2.60E-16 93.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000016772 6596 295.8 UdeM00000016772 XP_045196656.1 59.3 216
80 3 6 221 10 217 4.60E-77 295.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016775 6596 233.8 UdeM00000016775 XP_045196597.1 50.3 435
194 12 1 422 1 426 4.00E-58 233.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016776 1735272 486.5 UdeM00000016776 XP_041351493.1 47.7
648 261 11 1 640 1 578 9.10E-134 486.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000016777 400727 386.3 UdeM00000016777 XP_025099402.1 54.2
347 156 3 31 376 26 370 4.40E-104 386.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000016778 6596 533.5 UdeM00000016778 XP_045161016.1 36.3 970
525 33 192 1107 769 1699 6.60E-148 533.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016780 6596 298.9 UdeM00000016780 XP_045160383.1 31.2 666
421 15 12 654 5 656 1.80E-77 298.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016782 27687 60.1 UdeM00000016782 XP_028656852.1 38 79
47 2 4 81 316 393 1.60E-06 60.1 27687 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
thys calabaricus
UdeM00000016783 2607531 283.1 UdeM00000016783 XP_029657406.1 56.8
250 108 0 1 250 1 250 4.10E-73 283.1 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000016784 6596 99.8 UdeM00000016784 XP_045161006.1 30.3 261
144 9 24 253 1384 1637 5.90E-18 99.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016785 6596 71.2 UdeM00000016785 XP_045192251.1 43.5 85
47 1 136 220 337 420 1.80E-09 71.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016787 6596 143.7 UdeM00000016787 XP_045167776.1 41.1 209
109 6 17 214 1152 1357 3.30E-31 143.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016786 6596 728 UdeM00000016786 XP_045161016.1 34.9 1408
815 46 12 1348 5 1381 2.30E-206 728 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016789 6596 608.2 UdeM00000016789 XP_045161016.1 34 1253
699 41 65 1237 474 1678 2.40E-170 608.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016788 6596 608.2 UdeM00000016788 XP_045161016.1 34 1253
699 41 65 1237 474 1678 2.40E-170 608.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016790 6596 135.6 UdeM00000016790 XP_045197717.1 37 200
119 3 22 215 22 220 9.40E-29 135.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016791 6579 353.2 UdeM00000016791 XP_033738041.1 33.7 801
434 16 3 780 5 731 8.50E-94 353.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016792 6596 637.9 UdeM00000016792 XP_045171965.1 59.3 513
196 6 21 530 14 516 1.20E-179 637.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016793 6596 629.4 UdeM00000016793 XP_045197632.1 79.8 386
69 3 18 394 8 393 3.10E-177 629.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016794 116153 82 UdeM00000016794 XP_019873606.1 46.8
79 42 0 1 79 27 105 2.20E-12 82 116153
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Cucujoidea;Nitidulidae;Nitidulinae;Aethina;Aethina tumida

UdeM00000016795 1735272 201.4 UdeM00000016795 XP_041352210.1 41.8
323 155 8 10 320 7 308 1.70E-48 201.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016797 6596 236.5 UdeM00000016797 XP_045196307.1 45.6 274
138 5 34 304 25 290 5.00E-59 236.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016798 6596 173.7 UdeM00000016798 XP_045197759.1 83.6 110
16 1 1 108 3 112 2.10E-40 173.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016799 1735272 85.5 UdeM00000016799 XP_041352557.1 30.7
202 122 6 108 302 79 269 1.30E-13 85.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016801 7574 235.7 UdeM00000016801 XP_013387202.1 75.8 153
37 0 1 153 776 928 3.90E-59 235.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000016800 6573 1491.5 UdeM00000016800 XP_021369359.1 80.5
927 181 0 4 930 3 929 0.00E+00 1491.5 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016802 6596 199.9 UdeM00000016802 XP_045213528.1 38.7 261
140 8 146 386 288 548 5.90E-48 199.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016804 6596 182.2 UdeM00000016804 XP_045213528.1 38.3 269
 138 11 141 382 281 548 1.30E-42 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016805 6596 140.2 UdeM00000016805 XP_045213528.1 33.2 265
 146 11 149 382 117 381 5.50E-30 140.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016806 6596 609.8 UdeM00000016806 XP_045197797.1 53.5 550
 217 4 12 550 33 554 3.50E-171 609.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016807 6596 486.5 UdeM00000016807 XP_045197797.1 52.3 449
 176 3 12 449 33 454 3.80E-134 486.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016808 7739 97.8 UdeM00000016808 XP_035659817.1 42.3 104
 60 0 75 178 86 189 1.60E-17 97.8 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000016811 6596 109.4 UdeM00000016811 XP_045197598.1 32.6 218
 112 4 20 203 1770 1986 5.50E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016812 6596 354.4 UdeM00000016812 XP_045197606.1 35.8 581
 235 12 798 1331 1891 2380 6.40E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016813 6596 411.4 UdeM00000016813 XP_045198242.1 67.5 283
 82 2 15 293 2 278 9.80E-112 411.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016814 6573 311.6 UdeM00000016814 XP_021364622.1 69.6 224
 66 1 1 224 1 222 8.30E-82 311.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016815 29159 760 UdeM00000016815 XP_034329341.1 63.2 522
 189 2 14 535 7 525 2.10E-216 760 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016816 6596 396.7 UdeM00000016816 XP_045196487.1 70.4 257
 74 2 1 256 24 279 2.20E-107 396.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016817 6596 322.8 UdeM00000016817 XP_045196487.1 59.8 301
 106 2 11 296 274 574 4.60E-85 322.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016818 6596 547 UdeM00000016818 XP_045195909.1 71.1 395
 101 6 8 396 799 1186 2.00E-152 547 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016819 6579 790.4 UdeM00000016819 XP_033741002.1 59.7 700
 222 9 19 707 191 841 2.70E-225 790.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016820 400727 319.7 UdeM00000016820 XP_025098426.1 80
 180 35 1 1 180 10 188 2.60E-84 319.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000016821 6579 532.7 UdeM00000016821 XP_033741006.1 72.7 337
 91 1 38 373 49 385 3.70E-148 532.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016822 6579 58.9 UdeM00000016822 XP_033733606.1 62.2 37
 14 0 25 61 1074 1110 5.80E-06 58.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016824 72105 67.8 UdeM00000016824 XP_037626220.1 73.7 38
 10 0 80 117 313 350 1.40E-08 67.8 72105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Scorpaen
 oidei;Sebastidae;Sebastinae;Sebastes;Sebastes umbrosus
 UdeM00000016827 29159 113.2 UdeM00000016827 XP_019926412.2 45.8 120
 65 0 107 226 2 121 4.30E-22 113.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016828 6596 97.8 UdeM00000016828 XP_045195573.1 26 288
175 12 146 403 25 304 5.80E-17 97.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000016830 6596 110.5 UdeM00000016830 XP_045195573.1 27 278
177 9 21 279 24 294 8.00E-21 110.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000016829 6596 110.5 UdeM00000016829 XP_045195573.1 27 278
177 9 20 278 24 294 8.00E-21 110.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000016833 29159 510.8 UdeM00000016833 XP_034332912.1 44.6 659
321 12 15 657 118 748 2.70E-141 510.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016834 29159 520 UdeM00000016834 XP_034332919.1 48.7 604
272 13 6 604 15 585 4.00E-144 520 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016835 29159 504.2 UdeM00000016835 XP_034332919.1 45.6 627
275 11 6 622 15 585 2.30E-139 504.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016836 6596 577.8 UdeM00000016836 XP_045197951.1 59.2 497
193 4 1 493 1 491 1.30E-161 577.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000016837 6579 916 UdeM00000016837 XP_033741539.1 59.7 906
307 12 7 906 7 860 3.80E-263 916 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000016838 6565 189.9 UdeM00000016838 XP_022337004.1 40 255
144 4 39 285 32 285 4.50E-45 189.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000016839 29159 151.4 UdeM00000016839 XP_034304913.1 59.8 127
47 2 1 126 890 1013 7.90E-34 151.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016840 6573 94 UdeM00000016840 XP_021365625.1 52.9 87
41 0 14 100 40 126 2.60E-16 94 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016841 6565 347.8 UdeM00000016841 XP_022298755.1 30.7 953
551 21 22 934 23 906 4.30E-92 347.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000016842 6596 147.1 UdeM00000016842 XP_045196555.1 66.3 104
33 1 29 130 201 304 1.50E-32 147.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016843 6596 352.8 UdeM00000016843 XP_045196555.1 59.3 300
114 3 141 436 9 304 6.10E-94 352.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016844 6596 595.1 UdeM00000016844 XP_045198710.1 55.6 525
228 3 237 757 227 750 1.30E-166 595.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016845 29159 118.6 UdeM00000016845 XP_011448515.2 49.4 156
76 1 1 153 808 963 7.50E-24 118.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016846 6596 743.4 UdeM00000016846 XP_045196736.1 66.7 576
174 8 12 578 12 578 2.10E-211 743.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016849 6573 301.2 UdeM00000016849 XP_021364653.1 47.7 421
201 7 16 421 1568 1984 2.10E-78 301.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016848 6573 327.8 UdeM00000016848 XP_021364653.1 46.1 492
235 10 8 482 1506 1984 2.30E-86 327.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016847 6573 327.8 UdeM00000016847 XP_021364653.1 46 493
236 10 13 488 1505 1984 2.40E-86 327.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016850 6573 90.1 UdeM00000016850 XP_021364653.1 25.5 400
234 11 201 562 683 1056 1.40E-14 90.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016851 6596 627.9 UdeM00000016851 XP_045197155.1 46 903
402 23 1 875 1 845 2.00E-176 627.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000016852 6573 422.9 UdeM00000016852 XP_021356474.1 62.5 501
140 13 1 455 1 499 5.00E-115 422.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016855 6596 1126.7 UdeM00000016855 XP_045196227.1 67
823 266 4 4 823 114 933 0.00E+00 1126.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000016856 1735272 513.5 UdeM00000016856 XP_041361500.1 53.2
468 207 7 1 466 30 487 2.90E-142 513.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000016857 5762 97.4 UdeM00000016857 XP_002670566.1 27.5 306
199 9 71 364 37 331 4.30E-17 97.4 5762 cellular

organisms;Eukaryota;Discoba;Heterolobosea;Tetramitria;Eutetramitria;Vahlkampfiidae;Naegleria;Naegleria gruberi
UdeM00000016858 5762 85.9 UdeM00000016858 XP_002670566.1 27.5 251
156 10 126 359 94 335 1.30E-13 85.9 5762 cellular

organisms;Eukaryota;Discoba;Heterolobosea;Tetramitria;Eutetramitria;Vahlkampfiidae;Naegleria;Naegleria gruberi
UdeM00000016859 6596 130.2 UdeM00000016859 XP_045196339.1 34.6 327
178 10 10 318 7 315 5.20E-27 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000016860 6596 270.8 UdeM00000016860 XP_045197856.1 66.7 195
58 3 11 204 29 217 1.40E-69 270.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000016861 6596 275.4 UdeM00000016861 XP_045197856.1 68.1 191
58 2 11 200 29 217 5.70E-71 275.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016863 6579 79 UdeM00000016863 XP_033729790.1 26.6 263
112 5 10 197 17 273 9.20E-12 79 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016864 6565 65.1 UdeM00000016864 XP_022312473.1 31.7 120
71 2 5 121 92 203 7.40E-08 65.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016865 27687 198.4 UdeM00000016865 XP_028657207.1 48.2 195
101 0 2 196 530 724 8.70E-48 198.4 27687 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoichthys calabaricus

UdeM00000016866 6573 58.9 UdeM00000016866 XP_021355324.1 71.8 39
11 0 5 43 7 45 4.80E-06 58.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016867 6596 271.9 UdeM00000016867 XP_045198310.1 44.8 404
135 8 1 397 1 323 1.30E-69 271.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016868 6573 392.5 UdeM00000016868 XP_021354035.1 54.4 397
169 5 13 407 298 684 6.80E-106 392.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016869 70779 77 UdeM00000016869 XP_015764363.1 27.4 226
90 5 4 155 6 231 2.50E-11 77 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000016870 1529436 166.4 UdeM00000016870 XP_033113802.1 92.9
84 6 0 2 85 3 86 1.60E-38 166.4 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000016871 6596 430.3 UdeM00000016871 XP_045196222.1 69.6 303
92 0 1 303 1 303 2.30E-117 430.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016872 6573 399.4 UdeM00000016872 XP_021359218.1 60.2 314
 121 3 1 313 445 755 4.20E-108 399.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016873 6565 144.4 UdeM00000016873 XP_022293799.1 76.6 94
 22 0 3 96 298 391 7.50E-32 144.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016874 6596 237.7 UdeM00000016874 XP_045197864.1 39.2 378
 202 11 42 411 51 408 2.70E-59 237.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016875 6596 688.7 UdeM00000016875 XP_045197865.1 56.6 629
 229 11 996 1602 851 1457 1.70E-194 688.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016876 6573 764.2 UdeM00000016876 XP_021349300.1 53.4 786
 340 14 6 773 3768 4545 1.60E-217 764.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016877 10224 119.4 UdeM00000016877 XP_006813844.1 42.8 138
 79 0 16 153 143 280 4.20E-24 119.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000016879 6565 131.3 UdeM00000016879 XP_022287136.1 61.5 96
 37 0 1 96 3516 3611 6.40E-28 131.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016878 6596 1860.5 UdeM00000016878 XP_045198770.1 52
 1835 803 22 4 1797 1886 3684 0.00E+00 1860.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016880 6596 868.6 UdeM00000016880 XP_045198770.1 53.1 904
 370 14 4 872 1886 2770 6.70E-249 868.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016881 303518 62 UdeM00000016881 XP_005751641.1 42.5
 87 47 2 1 84 346 432 4.20E-07 62 303518
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichliformes;Cichlidae;African cichlids;Pseudocrenilabrinae;Haplochromini;Pundamilia;Pundamilia nyererei

UdeM00000016882 6596 391.3 UdeM00000016882 XP_045198770.1 50.4 478
222 8 1 468 794 1266 1.70E-105 391.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016883 6579 103.2 UdeM00000016883 XP_033756126.1 51 102
48 1 2 103 152 251 2.20E-19 103.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016884 6573 102.8 UdeM00000016884 XP_021349300.1 55.8 86
38 0 1 86 656 741 2.50E-19 102.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016885 6596 128.3 UdeM00000016885 XP_045198770.1 46.1 152
69 3 1 152 598 736 9.00E-27 128.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016887 1735272 161 UdeM00000016887 XP_041362472.1 33.3
330 181 7 1 298 185 507 2.40E-36 161 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016888 1735272 81.6 UdeM00000016888 XP_041366951.1 40
85 51 0 40 124 159 243 8.70E-13 81.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016889 6579 123.2 UdeM00000016889 XP_033740518.1 36.1 230
124 6 17 236 334 550 4.70E-25 123.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016890 6579 229.2 UdeM00000016890 XP_033740518.1 63.1 179
66 0 5 183 152 330 4.40E-57 229.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016891 7739 332.8 UdeM00000016891 XP_035696678.1 52.1 307
145 1 228 532 597 903 8.50E-88 332.8 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000016892 6596 62.4 UdeM00000016892 XP_045193479.1 44.9 69
38 0 182 250 2 70 9.60E-07 62.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016893 6579 271.6 UdeM00000016893 XP_033740911.1 67.7 229
68 2 4 232 3 225 9.60E-70 271.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016894 6579 115.2 UdeM00000016894 XP_033740911.1 60.8 120
41 3 1 120 77 190 6.50E-23 115.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016895 6596 111.7 UdeM00000016895 XP_045196675.1 39.6 207
69 4 23 217 28 190 1.20E-21 111.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016897 6596 63.9 UdeM00000016897 XP_045196675.1 46.4 237
127 0 2 238 225 461 3.20E-07 63.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016898 6565 143.7 UdeM00000016898 XP_022302274.1 41.2 177
102 2 14 190 127 301 2.50E-31 143.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016899 6573 63.2 UdeM00000016899 XP_021369385.1 43.5 69
39 0 64 132 682 750 8.20E-07 63.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016900 6573 94 UdeM00000016900 XP_021369385.1 39.3 173
70 8 124 261 933 1105 3.10E-16 94 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016902 6596 63.2 UdeM00000016902 XP_045207454.1 50.8 63
23 1 3 65 2 56 5.10E-07 63.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016906 6526 124.8 UdeM00000016906 XP_013080768.1 66 97
31 1 32 128 283 377 8.90E-26 124.8 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biophalaria;Biophalaria glabrata

UdeM00000016905 6573 841.6 UdeM00000016905 XP_021363583.1 59 805
277 16 32 813 288 1062 8.50E-241 841.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016907 400727 300.4 UdeM00000016907 XP_025099190.1 77.4
190 41 1 3 192 809 996 1.60E-78 300.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000016908 45264 75.5 UdeM00000016908 XP_044168061.1 64.6 48
17 0 52 99 133 180 4.30E-11 75.5 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000016910 6596 144.8 UdeM00000016910 XP_045199146.1 50 114
50 2 1 110 42 152 6.50E-32 144.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016911 6596 160.2 UdeM00000016911 XP_045199146.1 52 123
52 2 43 161 33 152 2.20E-36 160.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016912 6945 97.4 UdeM00000016912 XP_040079247.2 57.1 77
33 0 92 168 470 546 2.20E-17 97.4 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000016913 6565 68.9 UdeM00000016913 XP_022289161.1 45.2 73
40 0 5 77 223 295 3.20E-09 68.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016914 6596 348.6 UdeM00000016914 XP_045196147.1 70.4 311
67 3 6 295 3 309 1.00E-92 348.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016915 6596 344.7 UdeM00000016915 XP_045196147.1 70.2 312
67 4 6 296 3 309 1.50E-91 344.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016917 7574 612.8 UdeM00000016917 XP_023930232.1 62.5 568
 206 3 1 568 1 561 4.30E-172 612.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000016918 7574 845.9 UdeM00000016918 XP_023930232.1 59.4 785
 307 4 1 785 1 773 4.20E-242 845.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000016920 29159 178.7 UdeM00000016920 XP_034312908.1 26.3 651
 313 19 5 523 6 621 1.90E-41 178.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016921 6579 238.4 UdeM00000016921 XP_033740468.1 46 367
 157 12 13 354 5 355 1.40E-59 238.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016922 1735272 285.4 UdeM00000016922 XP_041354832.1 53.2
 378 154 9 3 370 2 366 1.00E-73 285.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016923 40690 95.9 UdeM00000016923 XP_034007610.1 34.4 183
 98 6 3 174 29 200 6.20E-17 95.9 40690 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Nototheniidae;Trematomus;Trematomus bernacchii
 UdeM00000016924 2652724 179.1 UdeM00000016924 XP_020903442.1 30.3
 366 159 5 11 283 238 600 8.10E-42 179.1 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000016927 6573 283.5 UdeM00000016927 XP_021349232.1 39.8 483
 276 3 1 478 1060 1532 5.00E-73 283.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016928 6573 688 UdeM00000016928 XP_021349235.1 42.1 1395
 711 24 167 1521 188 1525 2.80E-194 688 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016929 6596 388.3 UdeM00000016929 XP_045198591.1 62.1 330
 112 5 650 978 719 1036 3.00E-104 388.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016930 6579 157.9 UdeM00000016930 XP_033741629.1 78.9 90
 19 0 1 90 976 1065 6.00E-36 157.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016931 6596 352.8 UdeM00000016931 XP_045197080.1 49 592
 271 15 1 581 1 572 8.20E-94 352.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016932 6579 979.2 UdeM00000016932 XP_033741628.1 78.5 571
 123 0 1 571 1 571 2.30E-282 979.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016933 29159 235 UdeM00000016933 XP_034331919.1 41.4 338
 171 11 1 323 1 326 1.40E-58 235 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016934 29159 193 UdeM00000016934 XP_011433433.2 37.4 372
 163 12 6 307 195 566 7.30E-46 193 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016935 742174 132.9 UdeM00000016935 XP_025193607.1 41.3
 155 86 2 2 151 308 462 3.50E-28 132.9 742174
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Aphidini;Melanaphis;Melanaphis
 sacchari
 UdeM00000016936 7574 213.8 UdeM00000016936 XP_013403275.1 61.5 174
 59 3 9 180 26 193 1.80E-52 213.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000016937 6596 474.6 UdeM00000016937 XP_045196447.1 85.1 262
 39 0 1 262 1 262 8.40E-131 474.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016938 6596 212.6 UdeM00000016938 XP_045195817.1 38.9 324
 169 5 80 392 253 558 8.90E-52 212.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016939 6596 768.1 UdeM00000016939 XP_045195815.1 55.5 712
 301 9 4 707 19 722 9.90E-219 768.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016940 6596 219.2 UdeM00000016940 XP_045197700.1 60.7 168
 66 0 1 168 1 168 4.10E-54 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016941 6573 126.7 UdeM00000016941 XP_021366838.1 63.9 504
 162 8 111 603 121 615 1.20E-25 126.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016942 6565 146.4 UdeM00000016942 XP_022293676.1 60.9 115
 43 1 1 115 1 113 8.40E-32 146.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016944 6596 941.4 UdeM00000016944 XP_045196476.1 52.4 1068
 427 18 5 1038 6 1026 9.60E-271 941.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016945 6596 94.4 UdeM00000016945 XP_045198984.1 26.5 230
 153 6 40 263 30 249 6.10E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016946 6579 612.5 UdeM00000016946 XP_033741776.1 32.9 1554
 701 36 16 1548 1 1233 1.50E-171 612.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016947 6596 980.3 UdeM00000016947 XP_045197661.1 71.1 658
 189 1 2 658 6 663 1.20E-282 980.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016948 6596 606.3 UdeM00000016948 XP_045198131.1 86.1 294
 41 0 24 317 325 618 2.20E-170 606.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016949 6596 402.1 UdeM00000016949 XP_045198131.1 74.3 237
 61 0 14 250 89 325 5.40E-109 402.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016950 6596 508.1 UdeM00000016950 XP_045196261.1 50.4 607
242 22 6 600 130 689 1.60E-140 508.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016951 6579 262.3 UdeM00000016951 XP_033741736.1 55.7 228
99 1 1 226 614 841 5.90E-67 262.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016952 29159 664.1 UdeM00000016952 XP_034305523.1 54.3 597
266 6 2 596 345 936 1.70E-187 664.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016953 6573 334.3 UdeM00000016953 XP_021359413.1 57.3 368
148 2 18 376 24 391 2.00E-88 334.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016954 218467 191 UdeM00000016954 XP_023243020.1 77.9
113 25 0 1 113 1 113 8.60E-46 191 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000016955 6596 322 UdeM00000016955 XP_045198932.1 56.5 292
121 2 3 292 26 313 7.80E-85 322 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016957 6596 268.9 UdeM00000016957 XP_045198401.1 58.8 245
78 3 16 257 1163 1387 6.90E-69 268.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016958 6596 142.1 UdeM00000016958 XP_045198401.1 32.9 468
215 16 4 448 685 1076 1.80E-30 142.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016959 6596 150.2 UdeM00000016959 XP_045198401.1 34.9 439
216 16 4 419 685 1076 6.30E-33 150.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016960 6596 250 UdeM00000016960 XP_045198401.1 32.5 736
 271 22 159 836 115 682 3.10E-62 250 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016961 6596 590.9 UdeM00000016961 XP_045196679.1 71.1 384
 111 0 1 384 1 384 2.20E-165 590.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016962 6565 71.2 UdeM00000016962 XP_022289723.1 40.8 71
 37 1 24 89 35 105 7.30E-10 71.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016963 29159 205.7 UdeM00000016963 XP_034318948.1 64.6 147
 52 0 1 147 481 627 4.70E-50 205.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016965 6579 85.5 UdeM00000016965 XP_033736887.1 47.1 85
 45 0 13 97 229 313 4.30E-14 85.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016966 6596 444.5 UdeM00000016966 XP_045196299.1 65.5 316
 105 3 541 856 4 315 3.00E-121 444.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016967 6596 141.7 UdeM00000016967 XP_045196151.1 44.1 179
 96 3 4 181 32 207 9.70E-31 141.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016968 6596 121.7 UdeM00000016968 XP_045196151.1 37.7 167
 101 2 3 166 25 191 9.70E-25 121.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016969 6579 594.7 UdeM00000016969 XP_033764274.1 49.2 541
 267 4 1 536 57 594 1.10E-166 594.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016970 6579 552.7 UdeM00000016970 XP_033764274.1 48.7 511
 254 4 1 506 87 594 4.70E-154 552.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016971 1735272 503.1 UdeM00000016971 XP_041374187.1 53.9
488 197 9 1 480 1 468 4.00E-139 503.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016972 6596 222.6 UdeM00000016972 XP_045195156.1 29.4 669
376 23 77 728 45 634 1.60E-54 222.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheroterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016975 6596 253.4 UdeM00000016975 XP_045195697.1 38.6 458
213 13 24 446 15 439 5.30E-64 253.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheroterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016976 6596 385.2 UdeM00000016976 XP_045198369.1 41.8 541
282 7 45 557 252 787 1.60E-103 385.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheroterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016977 6596 342 UdeM00000016977 XP_045197897.1 67.4 227
73 1 1 227 1 226 5.70E-91 342 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheroterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016978 6579 266.2 UdeM00000016978 XP_033740537.1 67 203
65 1 19 219 1 203 3.80E-68 266.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016979 6579 265.4 UdeM00000016979 XP_033740537.1 68.9 196
59 1 5 198 8 203 5.90E-68 265.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016980 6596 134.8 UdeM00000016980 XP_045198865.1 40.6 207
94 6 26 218 6 197 1.30E-28 134.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheroterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016981 6596 134.4 UdeM00000016981 XP_045198865.1 40.6 207
94 6 16 208 6 197 1.70E-28 134.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheroterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016982 1415580 139 UdeM00000016982 XP_030075314.1 73.6
 91 24 0 2 92 535 625 3.00E-30 139 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000016983 7757 498.8 UdeM00000016983 XP_032835197.1 81.2 308
 55 2 1 306 52 358 6.20E-138 498.8 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000016984 260995 80.5 UdeM00000016984 XP_033812940.1 51.4
 74 35 1 1 74 1 73 1.30E-12 80.5 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
 e;Geotrypetes;Geotrypetes seraphini
 UdeM00000016985 6596 1173.3 UdeM00000016985 XP_045196382.1 68.3
 833 253 7 1 829 1 826 0.00E+00 1173.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016986 6565 290.8 UdeM00000016986 XP_022291556.1 83.9 224
 31 2 1 223 3 222 1.50E-75 290.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016987 218467 86.3 UdeM00000016987 XP_023232316.1 31.8
 170 104 4 23 181 17 185 5.50E-14 86.3 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000016988 1735272 655.6 UdeM00000016988 XP_041354259.1 46.9
 918 386 17 56 939 62 912 1.00E-184 655.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016989 1735272 655.2 UdeM00000016989 XP_041354259.1 47.1
 916 385 17 56 936 62 912 1.30E-184 655.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016990 6579 169.1 UdeM00000016990 XP_033741044.1 68.4 114
 36 0 57 170 323 436 4.90E-39 169.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016991 6596 129.4 UdeM00000016991 XP_045198294.1 58.2 110
 45 1 1 109 1 110 3.70E-27 129.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016992 6596 311.2 UdeM00000016992 XP_045195208.1 46.3 369
 160 4 8 346 6 366 1.70E-81 311.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016993 6596 459.5 UdeM00000016993 XP_045195208.1 47.6 494
 259 0 112 605 472 965 6.50E-126 459.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016994 6579 291.2 UdeM00000016994 XP_033740459.1 69.5 243
 73 1 7 248 14 256 1.20E-75 291.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016995 29159 354 UdeM00000016995 XP_034331232.1 56.6 318
 131 5 38 352 47 360 2.20E-94 354 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016996 29159 360.1 UdeM00000016996 XP_034331240.1 56.9 318
 130 5 38 352 47 360 3.10E-96 360.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016997 29159 372.5 UdeM00000016997 XP_034331232.1 57.6 316
 128 5 38 349 47 360 6.00E-100 372.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016998 29159 366.3 UdeM00000016998 XP_034331232.1 54.3 339
 141 6 23 349 23 359 4.30E-98 366.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016999 29159 422.9 UdeM00000016999 XP_034331235.1 59.5 341
 120 4 25 350 23 360 3.90E-115 422.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017000 225164 310.5 UdeM00000017000 XP_009063479.1 50.5
 309 109 4 15 281 71 377 2.30E-81 310.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000017001 29159 320.9 UdeM00000017001 XP_034331235.1 49.3 339
 101 5 27 297 25 360 1.80E-84 320.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017002 1735272 405.6 UdeM00000017002 XP_041354926.1 62.7
 308 114 1 42 349 57 363 6.40E-110 405.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017003 29159 367.1 UdeM00000017003 XP_034331235.1 64.8 267
 89 4 44 308 97 360 2.20E-98 367.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017004 29159 407.9 UdeM00000017004 XP_034331235.1 56.7 363
 139 5 1 348 1 360 1.30E-110 407.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017005 29159 363.6 UdeM00000017005 XP_034331235.1 65.3 265
 87 4 53 315 99 360 2.50E-97 363.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017006 29159 409.1 UdeM00000017006 XP_034331235.1 56.7 363
 139 5 1 348 1 360 5.80E-111 409.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017007 29159 392.1 UdeM00000017007 XP_034331235.1 56.9 341
 127 5 25 348 23 360 7.30E-106 392.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017009 29159 378.3 UdeM00000017009 XP_034331235.1 52.6 365
 153 6 1 350 1 360 1.10E-101 378.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017010 225164 337.4 UdeM00000017010 XP_009063479.1 51.5
 326 145 4 6 320 24 347 2.30E-89 337.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000017011 6596 151.8 UdeM00000017011 XP_045197025.1 18.8 1163
 384 20 37 654 154 1301 3.40E-33 151.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017012 29159 116.3 UdeM00000017012 XP_034326606.1 27.2 323
 110 6 147 352 647 961 1.00E-22 116.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017013 6596 150.6 UdeM00000017013 XP_045197025.1 34.2 263
 164 5 8 266 1080 1337 2.90E-33 150.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017014 6596 547.7 UdeM00000017014 XP_045198153.1 62.8 435
 159 3 5 437 3 436 1.30E-152 547.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017015 1735272 463.8 UdeM00000017015 XP_041354275.1 52.2
 441 205 3 5 444 24 459 2.50E-127 463.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017016 1735272 413.7 UdeM00000017016 XP_041354275.1 53.2
 374 169 3 1 373 91 459 2.50E-112 413.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017017 29159 406.4 UdeM00000017017 XP_011418877.3 37.8 651
 339 14 1 632 2 605 7.40E-110 406.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017018 29159 485.3 UdeM00000017018 XP_011437261.2 71.9 331
 93 0 1 331 1 331 6.00E-134 485.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017019 6565 659.8 UdeM00000017019 XP_022293675.1 74.5 396
 101 0 1 396 2 397 2.10E-186 659.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017020 29159 74.3 UdeM00000017020 XP_034318944.1 58.7 63
 25 1 5 66 422 484 7.40E-11 74.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017021 6573 248.4 UdeM00000017021 XP_021369387.1 78.2 156
 30 2 1 156 1 152 5.90E-63 248.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017022 6596 99.4 UdeM00000017022 XP_045216876.1 72.2 72
 20 0 25 96 20 91 3.00E-18 99.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017023 6596 551.2 UdeM00000017023 XP_045216876.1 70 420
 116 3 1 410 103 522 1.20E-153 551.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017024 6596 664.8 UdeM00000017024 XP_045216876.1 68.5 530
 152 5 3 529 20 537 9.00E-188 664.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017025 6573 194.5 UdeM00000017025 XP_021360747.1 34 359
 213 9 32 379 37 382 3.50E-46 194.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017026 6596 1276.9 UdeM00000017026 XP_045195365.1 60.3
 1109 418 10 1 1102 17 1110 0.00E+00 1276.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017027 6573 279.3 UdeM00000017027 XP_021355391.1 81.1 164
 31 0 16 179 58 221 3.60E-72 279.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017028 6565 166.4 UdeM00000017028 XP_022327962.1 49.4 166
 78 2 2 163 555 718 3.20E-38 166.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017029 6596 945.3 UdeM00000017029 XP_045195367.1 75.2 624
 154 1 83 705 82 705 4.60E-272 945.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017030 6596 372.1 UdeM00000017030 XP_045202688.1 47 421
 211 6 3 417 2 416 9.40E-100 372.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017033 6573 288.1 UdeM00000017033 XP_021350221.1 77.6 165
 30 1 1 165 1 158 7.30E-75 288.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017034 6573 287 UdeM00000017034 XP_021344408.1 55.3 266
115 4 1 263 334 598 2.60E-74 287 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017035 29159 137.5 UdeM00000017035 XP_034330947.1 48.8 160
77 2 12 166 103 262 1.60E-28 137.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017036 6573 142.5 UdeM00000017036 XP_021359465.1 37.9 198
117 1 24 221 299 490 6.40E-31 142.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017037 6579 407.1 UdeM00000017037 XP_033740157.1 63.2 288
106 0 1 288 1 288 1.90E-110 407.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017038 6596 2289.6 UdeM00000017038 XP_045195673.1 60
2469 794 22 1 2376 1 2368 0.00E+00 2289.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000017039 6596 468.8 UdeM00000017039 XP_045195674.1 65.7 347
118 1 29 375 29 374 6.70E-129 468.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000017040 6596 510.4 UdeM00000017040 XP_045195678.1 70.5 376
105 4 1 373 1 373 2.00E-141 510.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000017041 6565 529.3 UdeM00000017041 XP_022293629.1 55.1 441
195 3 36 474 36 475 5.20E-147 529.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017042 6596 261.2 UdeM00000017042 XP_045195306.1 23.5 1040
657 29 5 978 8 974 6.40E-66 261.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017043 29159 454.9 UdeM00000017043 XP_011439711.1 78.5 284
 54 2 1 282 1 279 7.50E-125 454.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017044 6596 209.5 UdeM00000017044 XP_045195188.1 36.6 331
 191 7 40 367 25 339 1.60E-50 209.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017045 6596 390.2 UdeM00000017045 XP_045197202.1 36.7 569
 337 6 29 590 27 579 4.90E-105 390.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017046 6579 540 UdeM00000017046 XP_033740002.1 65.6 392
 134 1 8 398 4 395 2.50E-150 540 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017047 1735272 426.8 UdeM00000017047 XP_041354939.1 45.7
 541 253 10 7 511 6 541 3.90E-116 426.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017048 6579 267.7 UdeM00000017048 XP_033743002.1 49 263
 129 1 144 406 61 318 2.40E-68 267.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017049 1735272 406.8 UdeM00000017049 XP_041354939.1 44.1
 555 257 11 6 525 5 541 4.30E-110 406.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017051 29159 390.6 UdeM00000017051 XP_034332764.1 58.8 308
 126 1 191 498 126 432 3.10E-105 390.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017052 6596 365.9 UdeM00000017052 XP_045195187.1 45.5 440
 220 6 65 501 111 533 8.10E-98 365.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017053 1735272 402.9 UdeM00000017053 XP_041354939.1 61.6
 305 116 1 184 488 232 535 5.80E-109 402.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000017054 29159 158.3 UdeM00000017054 XP_011422055.1 59.4 106
 43 0 6 111 15 120 5.70E-36 158.3 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000017055 6596 224.2 UdeM00000017055 XP_045196210.1 44.9 363
 163 12 1 333 15 370 2.50E-55 224.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000017056 6596 987.3 UdeM00000017056 XP_045196213.1 78 596
 113 2 14 609 373 950 9.00E-285 987.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000017057 6596 231.5 UdeM00000017057 XP_045196215.1 71.3 171
 45 2 1 167 970 1140 8.40E-58 231.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000017058 6596 249.6 UdeM00000017058 XP_045196218.1 71.1 180
 50 2 577 755 1153 1331 1.30E-62 249.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000017059 6596 623.6 UdeM00000017059 XP_045198094.1 64.2 494
 161 5 1 493 1 479 3.00E-175 623.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000017060 6565 124 UdeM00000017060 XP_022327962.1 52.2 115
 53 1 3 115 604 718 1.20E-25 124 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000017062 6579 74.3 UdeM00000017062 XP_033739891.1 24.8 218
 124 9 8 201 2 203 2.10E-10 74.3 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000017064 6565 73.2 UdeM00000017064 XP_022344606.1 31.5 111
 66 4 93 201 157 259 4.70E-10 73.2 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000017067 6565 72.4 UdeM00000017067 XP_022344606.1 31.5 111
 66 4 93 201 157 259 8.10E-10 72.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017068 6573 615.9 UdeM00000017068 XP_021359238.1 56.1 512
224 1 1 512 89 599 4.60E-173 615.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017069 6596 655.6 UdeM00000017069 XP_045195352.1 67.9 468
150 0 1 468 1 468 4.80E-185 655.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017070 6596 225.3 UdeM00000017070 XP_045197716.1 38.7 385
173 11 7 351 13 374 1.20E-55 225.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017071 6596 225.3 UdeM00000017071 XP_045197716.1 38.7 385
173 11 18 362 13 374 1.30E-55 225.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017072 6579 335.1 UdeM00000017072 XP_033739936.1 76.3 334
74 1 4 337 3 331 1.00E-88 335.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017073 29159 408.3 UdeM00000017073 XP_034332456.1 44.7 470
224 8 3 462 51 494 1.30E-110 408.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017074 29159 85.5 UdeM00000017074 XP_034331441.1 45.1 91
48 2 1 90 722 811 4.00E-14 85.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017075 6565 117.5 UdeM00000017075 XP_022297409.1 35.7 185
115 3 29 210 226 409 2.10E-23 117.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017077 6596 178.3 UdeM00000017077 XP_045196225.1 54.1 159
72 1 6 164 43 200 7.90E-42 178.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017078 6596 936 UdeM00000017078 XP_045196225.1 69.9 670
179 6 1 648 184 852 2.50E-269 936 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017079 6596 1001.9 UdeM00000017079 XP_045196225.1 66
773 234 11 1 748 184 952 4.30E-289 1001.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017080 6596 454.9 UdeM00000017080 XP_045197740.1 69.4 366
55 7 1 362 1 313 9.90E-125 454.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017081 29159 437.6 UdeM00000017081 XP_034335586.1 68.3 357
86 10 1 351 1 336 1.60E-119 437.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017082 6596 860.5 UdeM00000017082 XP_045197729.1 82.6 523
86 2 163 680 55 577 1.40E-246 860.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017083 7574 196.1 UdeM00000017083 XP_013408030.1 38.9 365
180 8 1 363 1 324 8.00E-47 196.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000017084 6565 463.4 UdeM00000017084 XP_022291730.1 54 400
184 0 1 400 1 400 3.00E-127 463.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017085 6565 738.8 UdeM00000017085 XP_022292838.1 56.2 802
300 14 1 776 36 812 7.20E-210 738.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017086 6579 157.9 UdeM00000017086 XP_033741811.1 40.8 211
112 6 48 248 25 232 1.70E-35 157.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017087 6579 1446.8 UdeM00000017087 XP_033739131.1 54.1
1306 583 8 97 1399 78 1370 0.00E+00 1446.8 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017088 29159 77.4 UdeM00000017088 XP_034310118.1 50.7 75
 36 1 522 596 497 570 7.10E-11 77.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017089 29159 77.4 UdeM00000017089 XP_034310118.1 50.7 75
 36 1 537 611 497 570 7.20E-11 77.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017090 6565 77 UdeM00000017090 XP_022299013.1 53.6 69
 32 0 577 645 146 214 9.90E-11 77 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017091 6579 162.5 UdeM00000017091 XP_033741811.1 43.8 210
 101 8 46 243 23 227 6.90E-37 162.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017092 6596 903.7 UdeM00000017092 XP_045196242.1 70.7 608
 177 1 1 608 1 607 1.30E-259 903.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017093 6573 112.1 UdeM00000017093 XP_021373603.1 26.5 306
 184 11 16 296 10 299 1.90E-21 112.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017094 29159 60.5 UdeM00000017094 XP_011416417.2 24.8 270
 169 13 54 308 39 289 7.00E-06 60.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017095 6596 114.8 UdeM00000017095 XP_045198205.1 32 247
 145 13 64 298 1 236 5.00E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017097 6565 384.4 UdeM00000017097 XP_022297037.1 55.6 360
 138 3 1 358 183 522 1.60E-103 384.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017098 6565 73.9 UdeM00000017098 XP_022291589.1 30.4 125
 80 5 1 122 158 278 5.20E-10 73.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017099 6565 85.1 UdeM00000017099 XP_022291589.1 28.9 173
 111 8 1 170 132 295 2.20E-13 85.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017100 6565 66.2 UdeM00000017100 XP_022291589.1 27.2 125
84 5 1 122 158 278 7.90E-08 66.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017101 6565 82.4 UdeM00000017101 XP_022291589.1 29.2 154
99 7 1 151 132 278 1.50E-12 82.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017102 6573 113.6 UdeM00000017102 XP_021355412.1 29.2 267
169 10 27 279 32 292 8.60E-22 113.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017103 29159 238.4 UdeM00000017103 XP_034299385.1 40.3 313
166 6 647 940 32 342 2.20E-58 238.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017110 29159 206.8 UdeM00000017110 XP_011416417.2 40.5 269
158 2 26 293 35 302 4.70E-50 206.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017114 29159 228.4 UdeM00000017114 XP_011416417.2 43.1 269
151 2 213 480 35 302 2.30E-56 228.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017115 29159 164.1 UdeM00000017115 XP_011440298.1 47.5 198
95 4 1 192 1 195 1.80E-37 164.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017116 6579 793.9 UdeM00000017116 XP_033740527.1 60.1 865
248 8 13 871 10 783 2.30E-226 793.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017117 29159 307.8 UdeM00000017117 XP_034331263.1 60.2 249
99 0 1 249 1 249 1.30E-80 307.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017118 6596 82.4 UdeM00000017118 XP_045195917.1 54.1 74
34 0 40 113 246 319 4.20E-13 82.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000017119 6500 281.6 UdeM00000017119 XP_005109678.1 45.8 332
 120 2 9 298 5 318 1.20E-72 281.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000017121 6596 250 UdeM00000017121 XP_045198849.1 47.9 313
 141 9 1 296 1 308 3.90E-63 250 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017122 6596 235 UdeM00000017122 XP_045197921.1 87.5 144
 17 1 1 143 1 144 6.10E-59 235 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017123 7574 69.3 UdeM00000017123 XP_013381308.1 38.3 94
 57 1 18 110 92 185 3.50E-09 69.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000017127 6596 131.7 UdeM00000017127 XP_045198315.1 42.6 223
 84 7 22 209 29 242 1.10E-27 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041716 6596 272.7 UdeM00000041716 XP_045179599.1 57 230
 93 2 40 263 49 278 4.90E-70 272.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041717 6596 342.4 UdeM00000041717 XP_045216133.1 56.3 293
 126 2 18 308 58 350 5.90E-91 342.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041718 6573 163.3 UdeM00000041718 XP_021375025.1 34.8 267
 160 7 1 263 204 460 4.20E-37 163.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041721 6596 233 UdeM00000041721 XP_045204261.1 42.4 276
 147 7 81 351 39 307 5.80E-58 233 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041722 6596 338.6 UdeM00000041722 XP_045216896.1 51.9 297
 142 1 46 342 92 387 9.60E-90 338.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018485 6596 186.4 UdeM00000018485 XP_045170933.1 24.3 752
490 21 46 759 25 735 1.30E-43 186.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018486 6596 97.1 UdeM00000018486 XP_045201917.1 26.1 230
144 4 33 256 76 285 5.60E-17 97.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018487 6579 270.4 UdeM00000018487 XP_033756890.1 59.2 213
86 1 1 213 1 212 2.00E-69 270.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018488 74926 627.5 UdeM00000018488 XP_044867028.1 28.1 1642
1073 36 19 1619 843 2418 4.80E-176 627.5 74926 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys mutica

UdeM00000018489 6596 111.7 UdeM00000018489 XP_045209409.1 54.5 112
23 1 9 92 351 462 5.10E-22 111.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018490 6596 637.9 UdeM00000018490 XP_045209409.1 72.8 416
113 0 8 423 47 462 9.30E-180 637.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018491 6596 618.2 UdeM00000018491 XP_045180147.1 72.2 395
105 3 20 413 599 989 7.40E-174 618.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018492 6573 177.2 UdeM00000018492 XP_021376049.1 47.1 225
108 5 13 230 382 602 2.80E-41 177.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018493 6596 323.9 UdeM00000018493 XP_045180147.1 52.8 301
141 1 40 340 1 300 2.40E-85 323.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018494 6596 503.8 UdeM00000018494 XP_045180369.1 59.5 449
 177 2 3 446 2 450 2.20E-139 503.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018495 6596 123.2 UdeM00000018495 XP_045181372.1 53 115
 52 2 87 199 180 294 4.10E-25 123.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018496 6596 618.6 UdeM00000018496 XP_045181372.1 70.7 399
 117 0 13 411 296 694 5.80E-174 618.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018497 6596 128.6 UdeM00000018497 XP_045168144.1 29.3 324
 219 6 4 323 586 903 1.40E-26 128.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018499 29159 562.8 UdeM00000018499 XP_011447726.2 54.8 516
 219 6 18 521 28 541 5.00E-157 562.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018500 6596 869.4 UdeM00000018500 XP_045182881.1 40.3 1993
 894 55 2 1792 54 1953 8.00E-249 869.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018501 6596 839 UdeM00000018501 XP_045182881.1 39.1 1986
 890 54 2 1754 54 1953 1.10E-239 839 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018503 6526 228 UdeM00000018503 XP_013062148.1 69.4 160
 48 1 391 550 2550 2708 2.90E-56 228 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biophalaria;Biophalaria
 glabrata
 UdeM00000018505 29159 141 UdeM00000018505 XP_011447722.2 65.3 95
 33 0 156 250 1695 1789 2.10E-30 141 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018506 6526 222.2 UdeM00000018506 XP_013062148.1 60.2 196
 72 3 169 362 2517 2708 1.00E-54 222.2 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000018507 400727 425.6 UdeM00000018507 XP_025108466.1 45.7
 499 256 5 29 527 59 542 9.30E-116 425.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000018508 1720526 65.5 UdeM00000018508 YP_009310399.1 23.2
 298 201 7 3 293 492 768 1.40E-07 65.5 1720526
 Viruses;Varidnaviria;Bamfordvirae;Nucleocytoviricota;Megaviricetes;
 Pimascovirales;Marseilleviridae;Marseillevirus;unclassified
 Marseillevirus;Golden Marseillevirus
 UdeM00000018510 6596 274.6 UdeM00000018510 XP_045182879.1 67.5 212
 63 4 106 317 1762 1967 1.60E-70 274.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018511 6596 288.5 UdeM00000018511 XP_045182881.1 62.8 261
 83 7 79 333 1701 1953 1.10E-74 288.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018513 6596 257.7 UdeM00000018513 XP_045182879.1 67 194
 60 3 47 240 1778 1967 1.50E-65 257.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018514 6596 161.4 UdeM00000018514 XP_045160375.1 57.1 126
 51 3 1 124 1 125 7.50E-37 161.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018516 6596 201.4 UdeM00000018516 XP_045160375.1 57 149
 64 0 11 159 438 586 8.50E-49 201.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018517 225164 197.2 UdeM00000018517 XP_009063967.1 54.1
 172 72 2 1 165 37 208 1.70E-47 197.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000018518 6596 277.3 UdeM00000018518 XP_045182883.1 63.8 240
 74 6 180 412 1701 1934 3.10E-71 277.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018520 6526 228.4 UdeM00000018520 XP_013062148.1 68.8 160
 49 1 112 271 2550 2708 1.10E-56 228.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata

UdeM00000018521 6596 336.7 UdeM00000018521 XP_045160375.1 50.9 344
 114 5 1 292 7 347 3.10E-89 336.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018522 6596 199.9 UdeM00000018522 XP_045160375.1 57.7 149
 62 1 11 158 438 586 2.40E-48 199.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018523 6596 280.4 UdeM00000018523 XP_045160376.1 41.4 440
 92 3 32 308 80 516 2.70E-72 280.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018524 6596 251.1 UdeM00000018524 XP_045182878.1 69.7 178
 52 2 72 249 1796 1971 1.40E-63 251.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018525 6596 823.2 UdeM00000018525 XP_045182881.1 38.5 2048
 867 57 11 1813 53 1953 6.70E-235 823.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018526 6596 241.1 UdeM00000018526 XP_045182878.1 62.2 196
 70 3 9 204 1780 1971 1.20E-60 241.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018527 29159 147.5 UdeM00000018527 XP_011447722.2 66.7 99
 33 0 44 142 1691 1789 1.30E-32 147.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018528 6596 540.4 UdeM00000018528 XP_045160375.1 47.1 590
 202 9 1 484 1 586 2.30E-150 540.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018529 6596 303.9 UdeM00000018529 XP_045160376.1 80.1 186
 37 0 2 187 331 516 1.40E-79 303.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018530 6596 161.8 UdeM00000018530 XP_045160376.1 47.4 192
 92 3 32 220 80 265 1.10E-36 161.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018531 6579 369.4 UdeM00000018531 XP_033726512.1 34.9 1509
 758 47 9 1326 481 1955 1.90E-98 369.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042869 6596 476.5 UdeM00000042869 XP_045182316.1 38 842
 400 17 5 771 361 1155 6.50E-131 476.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042870 7054 85.5 UdeM00000042870 XP_031356742.1 44 84
 47 0 23 106 344 427 5.10E-14 85.5 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000042871 6565 82 UdeM00000042871 XP_022322206.1 42.4 92
 52 1 6 96 106 197 7.30E-13 82 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042872 1735272 59.7 UdeM00000042872 XP_041379277.1 24.5
 237 139 7 43 245 25 255 6.30E-06 59.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042873 1735272 253.1 UdeM00000042873 XP_041347279.1 34.6
 439 244 11 1 406 1 429 6.20E-64 253.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042874 1735272 224.9 UdeM00000042874 XP_041347279.1 29.7
 505 230 12 1 390 1 495 1.70E-55 224.9 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042875 1735272 261.9 UdeM00000042875 XP_041347279.1 32.5
505 246 12 1 420 1 495 1.40E-66 261.9 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042877 6596 290.8 UdeM00000042877 XP_045181000.1 64.5 245
33 1 97 287 1333 1577 2.00E-75 290.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043574 6596 439.1 UdeM00000043574 XP_045167939.1 50.1 407
198 3 31 435 29 432 9.30E-120 439.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043575 6596 438.7 UdeM00000043575 XP_045167939.1 50.1 407
198 3 9 413 29 432 1.20E-119 438.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043576 6596 445.7 UdeM00000043576 XP_045167939.1 50.1 405
197 2 34 436 31 432 9.90E-122 445.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043577 6596 419.1 UdeM00000043577 XP_045167939.1 44.1 460
197 3 34 491 31 432 1.10E-113 419.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043578 6596 744.2 UdeM00000043578 XP_045169387.1 61.1 610
210 3 1 584 1 609 1.30E-211 744.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043579 6596 221.9 UdeM00000043579 XP_045168020.1 34.1 346
159 4 106 450 416 693 1.70E-54 221.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043580 6579 195.3 UdeM00000043580 XP_033762787.1 31.1 486
271 10 4 462 2 450 1.70E-46 195.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043581 6596 98.6 UdeM00000043581 XP_045170292.1 62.3 77
29 0 2 78 1 77 3.90E-18 98.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043582 6596 182.6 UdeM00000043582 XP_045170292.1 58.2 194
69 2 8 192 75 265 5.10E-43 182.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043584 6596 585.1 UdeM00000043584 XP_045168403.1 67.8 425
132 2 1 422 1 423 7.20E-164 585.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043585 6573 275 UdeM00000043585 XP_021342948.1 37 467
126 9 1 304 1 462 1.10E-70 275 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043587 6579 104.8 UdeM00000043587 XP_033747958.1 59.2 71
29 0 1 71 87 157 6.50E-20 104.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043586 6579 145.2 UdeM00000043586 XP_033747958.1 57.4 101
43 0 1 101 57 157 5.60E-32 145.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043589 400727 865.1 UdeM00000043589 XP_025096976.1 57
847 300 15 1 812 1 818 6.80E-248 865.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000043590 6596 337.8 UdeM00000043590 XP_045167398.1 49.4 348
150 4 13 357 12 336 1.70E-89 337.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043591 6596 90.5 UdeM00000043591 XP_045179287.1 49.4 85
43 0 3 87 24 108 1.50E-15 90.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043592 400727 120.9 UdeM00000043592 XP_025091396.1 59.8
 97 37 1 1 97 1 95 1.00E-24 120.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000043593 6596 357.5 UdeM00000043593 XP_045167398.1 53.9 330
 144 3 13 339 12 336 2.00E-95 357.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000043594 6565 1320.4 UdeM00000043594 XP_022308017.1 38.2
 1896 948 40 3 1734 4 1840 0.00E+00 1320.4 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043595 6565 144.1 UdeM00000043595 XP_022308647.1 57.4 115
 49 0 43 157 29 143 1.60E-31 144.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043596 29159 560.8 UdeM00000043596 XP_034330259.1 41.7 731
 378 13 245 960 2 699 3.40E-156 560.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043597 6596 357.1 UdeM00000043597 XP_045167398.1 53.6 330
 145 3 281 607 12 336 4.60E-95 357.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000043598 29159 1176.8 UdeM00000043598 XP_034308495.1 38.7
 1607 816 34 8 1506 175 1720 0.00E+00 1176.8
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043599 6565 144.1 UdeM00000043599 XP_022308647.1 57.4 115
 49 0 43 157 29 143 1.60E-31 144.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043600 6579 327.4 UdeM00000043600 XP_033762681.1 46.6 337
 168 3 14 338 336 672 2.10E-86 327.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043601 6579 394.4 UdeM00000043601 XP_033731739.1 61.8 280
 107 0 1 280 99 378 1.20E-106 394.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043602 6596 1060.1 UdeM00000043602 XP_045167596.1 65.1
1064 325 20 7 1045 27 1069 1.90E-306 1060.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043604 6596 399.8 UdeM00000043604 XP_045167596.1 73.6 265
70 0 4 268 805 1069 2.70E-108 399.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043605 6596 482.6 UdeM00000043605 XP_045167596.1 78.2 294
64 0 53 346 776 1069 4.10E-133 482.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043606 6596 482.6 UdeM00000043606 XP_045167596.1 78.2 294
64 0 53 346 776 1069 4.10E-133 482.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043607 6596 482.6 UdeM00000043607 XP_045167596.1 78.2 294
64 0 53 346 776 1069 4.10E-133 482.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043608 6596 483 UdeM00000043608 XP_045167596.1 78.2 294
64 0 17 310 776 1069 2.80E-133 483 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043609 6596 482.6 UdeM00000043609 XP_045167596.1 78.2 294
64 0 53 346 776 1069 4.10E-133 482.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043610 6596 482.6 UdeM00000043610 XP_045167596.1 78.2 294
64 0 53 346 776 1069 4.10E-133 482.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043611 6596 482.6 UdeM00000043611 XP_045167596.1 78.2 294
64 0 53 346 776 1069 4.10E-133 482.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044379 83332 511.5 UdeM00000044379 NP_215134.1 74.2 360 93
0 1 360 1 360 8.50E-142 511.5 83332 cellular

organisms;Bacteria;Terrabacteria

group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000043268 6596 73.9 UdeM00000043268 XP_045188177.1 42.9 98
49 2 79 172 26 120 5.40E-10 73.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043269 6596 73.9 UdeM00000043269 XP_045188177.1 42.9 98
49 2 71 164 26 120 5.30E-10 73.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043271 6596 168.7 UdeM00000043271 XP_045189084.1 40.5 232
118 3 3 234 1640 1851 1.70E-38 168.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043272 6596 190.3 UdeM00000043272 XP_045177778.1 36.4 321
172 6 1 316 405 698 3.90E-45 190.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043274 390379 170.2 UdeM00000043274 XP_034030131.1 48.8
164 83 1 4 167 95 257 2.30E-39 170.2 390379
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Batrachoidaria;Batrachoidiformes;Batrachoididae;Thalassophyrinae;Thalassophryne;Thalassophryne amazonica

UdeM00000043273 2652724 97.4 UdeM00000043273 XP_028515960.1 47.8
90 47 0 1 90 99 188 2.20E-17 97.4 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000043275 37621 101.7 UdeM00000043275 XP_014678535.1 36.4 162
95 4 9 170 281 434 9.90E-19 101.7 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000043277 29159 75.5 UdeM00000043277 XP_034322397.1 28 168
 98 3 59 226 10 154 1.10E-10 75.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043278 6596 284.3 UdeM00000043278 XP_045189084.1 35 517
 271 8 1 513 1350 1805 3.40E-73 284.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043279 6596 81.3 UdeM00000043279 XP_045188177.1 41.8 110
 51 3 84 180 19 128 1.40E-12 81.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043281 2652724 94 UdeM00000043281 XP_020911241.1 31.7
 183 116 4 13 195 8 181 2.40E-16 94 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000043280 6596 186.8 UdeM00000043280 XP_045177776.1 36.6 265
 150 2 2 266 685 931 6.50E-44 186.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043282 6596 174.9 UdeM00000043282 XP_045191793.1 33.8 328
 169 5 1 326 258 539 2.50E-40 174.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043283 37621 84.7 UdeM00000043283 XP_014676916.1 34.9 189
 101 3 7 174 64 251 1.20E-13 84.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000043284 1735272 106.3 UdeM00000043284 XP_041364761.1 47.5
 99 52 0 1 99 87 185 3.00E-20 106.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039159 6573 63.9 UdeM00000039159 XP_021355916.1 40.7 86
 50 1 4 89 499 583 1.20E-07 63.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039160 6596 350.5 UdeM00000039160 XP_045204176.1 53.5 318
 140 3 1 313 1 315 2.20E-93 350.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039161 6596 181.8 UdeM00000039161 XP_045203144.1 48.7 193
 95 2 1 192 399 588 8.40E-43 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039162 6573 261.2 UdeM00000039162 XP_021347189.1 46.2 266
 140 2 135 400 143 405 2.20E-66 261.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039163 7668 87.8 UdeM00000039163 XP_030832292.1 35.7 154
 84 5 2 148 257 402 1.30E-14 87.8 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000039164 37653 222.2 UdeM00000039164 XP_014782122.1 40.4 267
 156 2 115 380 128 392 1.10E-54 222.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000039165 6596 198 UdeM00000039165 XP_045184460.1 43.7 197
 110 1 13 209 218 413 1.20E-47 198 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039166 6573 224.9 UdeM00000039166 XP_021347189.1 39.2 288
 170 3 119 406 123 405 1.80E-55 224.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039167 6573 231.5 UdeM00000039167 XP_021347189.1 41.3 281
 161 3 120 400 129 405 1.90E-57 231.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039168 225164 224.6 UdeM00000039168 XP_009064246.1 41.4
 266 149 4 143 406 40 300 2.40E-55 224.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000039169 6596 229.6 UdeM00000039169 XP_045184460.1 42.9 254
 144 1 98 351 161 413 6.30E-57 229.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039170 6596 464.9 UdeM00000039170 XP_045172620.1 43.9 583
 282 8 6 548 2 579 1.40E-127 464.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039171 6596 83.2 UdeM00000039171 XP_045173396.1 55.6 72
29 1 6 77 2 70 1.60E-13 83.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039172 6596 412.9 UdeM00000039172 XP_045172620.1 45.7 490
249 8 1 475 92 579 5.50E-112 412.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039173 6596 500.4 UdeM00000039173 XP_045172620.1 47 583
286 10 14 578 2 579 3.20E-138 500.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039176 6596 251.9 UdeM00000039176 XP_045161350.1 35.1 456
169 5 2 456 107 436 1.50E-63 251.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039177 6573 63.9 UdeM00000039177 XP_021355916.1 40.7 86
50 1 4 89 499 583 1.20E-07 63.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039178 6596 351.3 UdeM00000039178 XP_045172573.1 49.1 342
169 3 1 337 1 342 1.80E-93 351.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039179 6596 183 UdeM00000039179 XP_045203144.1 49.2 193
94 2 1 192 399 588 3.80E-43 183 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039180 6573 261.9 UdeM00000039180 XP_021347189.1 45.9 268
142 2 133 400 141 405 1.30E-66 261.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039181 6573 166 UdeM00000039181 XP_021347189.1 33.9 286
128 3 119 346 123 405 8.50E-38 166 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000039184 6596 203.4 UdeM00000039184 XP_045216087.1 43.4 212
116 2 1 210 144 353 2.90E-49 203.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000039185 225164 228 UdeM00000039185 XP_009064246.1 42.5
266 146 5 143 406 40 300 2.10E-56 228 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000039186 6573 232.3 UdeM00000039186 XP_021347189.1 40.4 282
162 4 120 400 129 405 1.10E-57 232.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000039187 225164 219.2 UdeM00000039187 XP_009064246.1 41.7
266 148 5 143 406 40 300 9.90E-54 219.2 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000039188 6596 126.7 UdeM00000039188 XP_045216087.1 57 86
35 1 75 160 269 352 2.70E-26 126.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000039189 6573 231.1 UdeM00000039189 XP_021347189.1 41.3 288
161 4 117 400 122 405 2.50E-57 231.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000039190 225164 226.1 UdeM00000039190 XP_009064246.1 41.7
266 148 4 143 406 40 300 8.10E-56 226.1 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000039191 6596 220.3 UdeM00000039191 XP_045216087.1 40 265
154 3 145 406 90 352 4.40E-54 220.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000039192 225164 217.2 UdeM00000039192 XP_009064246.1 40.6
266 151 4 99 362 40 300 3.40E-53 217.2 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000039193 37653 231.1 UdeM00000039193 XP_014782122.1 40.4 280
 164 2 74 352 115 392 2.20E-57 231.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000039194 6596 501.1 UdeM00000039194 XP_045172620.1 46.7 583
 294 9 6 576 2 579 1.90E-138 501.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039195 6596 512.3 UdeM00000039195 XP_045172620.1 46.7 583
 293 9 39 608 2 579 8.50E-142 512.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039196 6596 502.3 UdeM00000039196 XP_045172620.1 45.5 585
 304 9 9 584 1 579 8.40E-139 502.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039197 6596 329.7 UdeM00000039197 XP_045203146.1 38.9 471
 203 6 3 390 110 578 5.00E-87 329.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039198 6596 514.2 UdeM00000039198 XP_045172620.1 47.3 581
 295 8 72 644 2 579 2.40E-142 514.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039199 6596 511.9 UdeM00000039199 XP_045172620.1 47.4 578
 293 8 1 570 5 579 1.00E-141 511.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039202 225164 117.1 UdeM00000039202 XP_009058200.1 47.2
 108 57 0 4 111 108 215 1.50E-23 117.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000039203 7604 137.5 UdeM00000039203 XP_033641066.1 66.3 92
 31 0 1 92 155 246 8.70E-30 137.5 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea
 UdeM00000039205 6579 70.9 UdeM00000039205 XP_033731073.1 34.5 110
 67 1 8 112 2 111 6.90E-09 70.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039206 1047088 122.5 UdeM00000039206 XP_038172679.1 27
311 179 6 5 287 23 313 2.50E-24 122.5 1047088

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Cricetidae;Arvicolinae;Arvicola;Arvicola amphibius

UdeM00000039207 1735272 142.9 UdeM00000039207 XP_041356959.1 60.7
117 45 1 165 281 116 231 6.20E-31 142.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029462 6579 175.6 UdeM00000029462 XP_033734523.1 38.7 411
191 14 33 422 214 584 1.30E-40 175.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029463 6579 209.1 UdeM00000029463 XP_033734523.1 53.8 225
86 6 4 225 5 214 6.00E-51 209.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029464 6596 115.9 UdeM00000029464 XP_045187942.1 32.6 261
141 7 6 244 33 280 7.10E-23 115.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029465 6596 663.3 UdeM00000029465 XP_045175109.1 54.7 645
247 7 34 636 28 669 3.70E-187 663.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029467 6565 165.6 UdeM00000029467 XP_022330718.1 38.7 212
107 6 1 191 410 619 1.00E-37 165.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029466 6565 295.4 UdeM00000029466 XP_022330718.1 29.2 583
243 9 37 454 42 619 1.50E-76 295.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029468 6596 292.4 UdeM00000029468 XP_045168098.1 49.8 313
144 5 243 548 301 607 1.30E-75 292.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029470 45264 424.1 UdeM00000029470 XP_044165535.1 46.8 457
 235 4 1 452 158 611 3.10E-115 424.1 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000029471 6596 1632.1 UdeM00000029471 XP_045168122.1 65.3
 1278 414 11 7 1274 7 1265 0.00E+00 1632.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029472 29159 357.8 UdeM00000029472 XP_011428416.3 36.5 586
 350 12 4 581 1 572 2.50E-95 357.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029473 29159 364.4 UdeM00000029473 XP_011428416.3 33.5 704
 434 14 4 690 1 687 3.70E-97 364.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029474 6596 332 UdeM00000029474 XP_045166082.1 36.7 561
 334 11 23 575 17 564 1.50E-87 332 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029475 6579 979.5 UdeM00000029475 XP_033736185.1 69.2 694
 213 1 63 756 1 693 2.30E-282 979.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029476 6579 185.7 UdeM00000029476 XP_033733981.1 49 192
 91 3 4 195 1 185 5.90E-44 185.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029477 6565 131.3 UdeM00000029477 XP_022329142.1 51.3 115
 53 1 23 137 18 129 1.00E-27 131.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029478 6565 354.8 UdeM00000029478 XP_022332825.1 63.9 249
 90 0 8 256 71 319 9.50E-95 354.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029479 6596 77 UdeM00000029479 XP_045170000.1 46.5 71
 38 0 1 71 1 71 1.40E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029480 6565 426 UdeM00000029480 XP_022332824.1 62 316
120 0 6 321 4 319 4.20E-116 426 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029482 6596 921 UdeM00000029482 XP_045169384.1 58.3 784
307 7 17 791 15 787 1.00E-264 921 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029484 4432 115.5 UdeM00000029484 XP_010279286.1 40.8 142
78 2 6 142 5 145 5.60E-23 115.5 4432 cellular

organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;Pteroteales;Nelumbonaceae;Nelumbo;Nelumbo nucifera

UdeM00000029487 6596 82.8 UdeM00000029487 XP_045175906.1 66.1 59
19 1 5 62 21 79 2.20E-13 82.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029486 6596 79.7 UdeM00000029486 XP_045175906.1 65.5 58
19 1 5 61 21 78 2.00E-12 79.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029488 6596 107.8 UdeM00000029488 XP_045180427.1 38.4 177
106 2 76 250 98 273 2.10E-20 107.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029492 6087 172.9 UdeM00000029492 XP_012565456.1 61.4 127
49 0 4 130 890 1016 2.70E-40 172.9 6087 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydrozooidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris

UdeM00000029493 1735272 84 UdeM00000029493 XP_041379274.1 35.2
122 77 2 2 122 245 365 1.60E-13 84 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029494 27687 111.7 UdeM00000029494 XP_028656852.1 41.5 135
76 3 4 136 316 449 7.50E-22 111.7 27687 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoichthys calabaricus

UdeM00000029495 109376 112.1 UdeM00000029495 XP_013625994.1 37.7
146 85 2 44 184 5 149 7.90E-22 112.1 109376

cellular
organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
udicotyledons;Gunneridae;Pentapetalae;rosids;malvids;Brassicales;Brassica
ceae;Brassicaceae;Brassica;Brassica oleracea;Brassica oleracea var.
oleracea
UdeM00000029496 27687 110.2 UdeM00000029496 XP_028656852.1 41.5 135
76 3 4 136 316 449 2.20E-21 110.2 27687 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
thys calabaricus
UdeM00000029497 6596 122.1 UdeM00000029497 XP_045175906.1 57.8 102
43 0 32 133 81 182 5.40E-25 122.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029498 6596 195.7 UdeM00000029498 XP_045175906.1 58.9 168
68 1 15 181 15 182 5.20E-47 195.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029499 6565 129 UdeM00000029499 XP_022287605.1 43.1 137
76 2 5 141 102 236 4.70E-27 129 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000029500 225164 156 UdeM00000029500 XP_009043885.1 58.1
136 57 0 35 170 85 220 6.60E-35 156 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000029501 6579 604 UdeM00000029501 XP_033735640.1 47.8 613
296 9 160 764 49 645 2.70E-169 604 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000029502 6579 65.9 UdeM00000029502 XP_033735640.1 29.5 146
86 4 22 155 83 223 5.30E-08 65.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000029503 6579 144.4 UdeM00000029503 XP_033735640.1 67.4 95
30 1 1 94 551 645 7.60E-32 144.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000029504 29159 852.4 UdeM00000029504 XP_011416344.2 50.1 844
406 7 5 847 5 834 4.80E-244 852.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000029505 6579 161.8 UdeM00000029505 XP_033735524.1 45.5 209
109 4 7 215 7 210 1.00E-36 161.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000029506 6596 567.4 UdeM00000029506 XP_045174877.1 61.1 429
167 0 5 433 6 434 1.60E-158 567.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029507 6596 333.2 UdeM00000029507 XP_045166330.1 43.2 694
317 14 3 645 21 688 8.60E-88 333.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029508 6596 1298.1 UdeM00000029508 XP_045162839.1 64.6
1114 338 19 3 1094 3835 4914 0.00E+00 1298.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029509 6596 2003.4 UdeM00000029509 XP_045162839.1 56.6
1993 770 29 7 1959 1841 3779 0.00E+00 2003.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029510 7574 87 UdeM00000029510 XP_013391670.2 37.2 164
97 2 73 236 1 158 3.40E-14 87 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000029511 6596 1737.2 UdeM00000029511 XP_045162839.1 51.3
1938 797 33 5 1899 7 1840 0.00E+00 1737.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029512 6573 132.5 UdeM00000029512 XP_021363254.1 71.9 89
25 0 1 89 1 89 2.80E-28 132.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000029513 45264 394.4 UdeM00000029513 XP_044165535.1 49.7 368
181 1 1 364 158 525 2.20E-106 394.4 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000029514 6573 192.2 UdeM00000029514 XP_021339443.1 34.8 419
204 12 1 397 1 372 1.30E-45 192.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000029515 6596 452.2 UdeM00000029515 XP_045171232.1 48.5 581
261 9 98 654 26 592 2.60E-123 452.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029516 6579 1008.8 UdeM00000029516 XP_033735819.1 63.7
876 246 7 1 847 1 833 4.00E-291 1008.8 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000029517 7574 255.8 UdeM00000029517 XP_013391269.1 57.6 257
94 5 1 245 845 1098 7.10E-65 255.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000029518 2607531 1190.3 UdeM00000029518 XP_036357504.1
60.8 1097 389 13 1 1065 13 1100 0.00E+00 1190.3
2607531 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000029522 27687 109.8 UdeM00000029522 XP_028656852.1 41.5 135
76 3 4 136 316 449 2.90E-21 109.8 27687 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
thys calabaricus
UdeM00000029524 6596 652.5 UdeM00000029524 XP_045164097.1 56.9 594
221 6 7 596 39 601 5.30E-184 652.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029525 6596 651.7 UdeM00000029525 XP_045209505.1 30.6 1593
985 33 11 1548 54 1580 2.30E-183 651.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000029527 6596 146 UdeM00000029527 XP_045163187.1 64.3 258
78 4 63 310 59 312 8.50E-32 146 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029528 6596 662.5 UdeM00000029528 XP_045163187.1 71.1 571
 148 6 63 623 59 622 5.20E-187 662.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029531 6596 1108.6 UdeM00000029531 XP_045161958.1 64.2
 852 279 4 11 861 27 853 0.00E+00 1108.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029533 1735272 907.1 UdeM00000029533 XP_041351374.1 76.4
 607 130 2 5 600 970 1574 1.20E-260 907.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029535 6596 345.5 UdeM00000029535 XP_045187747.1 45.2 418
 229 0 1 418 59 476 9.80E-92 345.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029536 6573 658.3 UdeM00000029536 XP_021379661.1 84 406
 64 1 22 426 2 407 6.70E-186 658.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029537 6573 449.5 UdeM00000029537 XP_021379654.1 42.8 745
 426 0 1 745 38 782 9.00E-123 449.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029538 6573 450.3 UdeM00000029538 XP_021379654.1 42.3 770
 440 2 1 766 38 807 5.00E-123 450.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029539 6579 344.4 UdeM00000029539 XP_033734959.1 56.8 375
 132 6 25 380 14 377 3.30E-91 344.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029540 6596 310.8 UdeM00000029540 XP_045213047.1 27.1 882
 513 29 117 892 848 1705 5.90E-81 310.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029541 6596 264.6 UdeM00000029541 XP_045198257.1 33.7 404
 249 5 2 390 6 405 2.00E-67 264.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029542 6596 86.7 UdeM00000029542 XP_045198257.1 35.8 134
83 2 2 134 6 137 2.90E-14 86.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029543 6596 81.3 UdeM00000029543 XP_045187749.1 37.7 154
65 6 13 155 8 141 1.40E-12 81.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029544 6573 63.2 UdeM00000029544 XP_021342073.1 40 105
60 2 32 135 27 129 3.80E-07 63.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029545 6573 1221.1 UdeM00000029545 XP_021352832.1 33.5
2956 1520 75 49 2837 1 2676 0.00E+00 1221.1 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029546 6596 659.4 UdeM00000029546 XP_045171575.1 46.6 1029
483 28 1 999 1 992 7.00E-186 659.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029547 6596 218.4 UdeM00000029547 XP_045171563.1 63.9 183
45 2 72 233 301 483 9.70E-54 218.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029548 1735272 117.9 UdeM00000029548 XP_041350852.1 42.4
158 56 2 12 161 806 936 1.20E-23 117.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000029550 6596 275.4 UdeM00000029550 XP_045198257.1 33.3 417
259 5 2 403 6 418 1.20E-70 275.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029551 6596 59.7 UdeM00000029551 XP_045198256.1 38.6 83
49 2 44 125 348 429 4.90E-06 59.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029552 6596 385.6 UdeM00000029552 XP_045213047.1 28.6 934
 570 30 145 1012 877 1779 2.00E-103 385.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029553 6596 100.5 UdeM00000029553 XP_045198582.1 35.6 174
 97 6 84 255 240 400 3.30E-18 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029554 225164 568.9 UdeM00000029554 XP_009055936.1 40.3
 784 430 11 6 769 464 1229 9.70E-159 568.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000029555 6579 246.9 UdeM00000029555 XP_033734882.1 86.7 128
 17 0 24 151 28 155 1.70E-62 246.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029556 6579 222.6 UdeM00000029556 XP_033734883.1 64.4 275
 89 6 1 272 1 269 1.30E-54 222.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029557 1735272 185.7 UdeM00000029557 XP_041354360.1 40.1
 272 139 7 52 319 57 308 9.60E-44 185.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029558 6596 1280 UdeM00000029558 XP_045187194.1 85.5 733
 106 0 1 733 1 733 0.00E+00 1280 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029559 6596 454.5 UdeM00000029559 XP_045158742.1 54.4 406
 169 2 5 396 4 407 1.40E-124 454.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029560 37344 57.8 UdeM00000029560 XP_020710539.1 46.3 67
 34 1 1 67 1 65 6.90E-06 57.8 37344 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Tenthredinoid
 ea;Tenthredinidae;Allantinae;Athalia;Athalia rosae

UdeM00000029561	6596	1073.9		UdeM00000029561	XP_045174537.1	67.3				
838	258	9	1	833	1	827	9.5e-311	1073.9	6596	
cellular										
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria										
UdeM00000029562	7574	294.3		UdeM00000029562	XP_013381517.1	100	149			
0	0	1	149	1	149	8.90E-77	294.3	7574	cellular	
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina										
UdeM00000029563	6573	433.3		UdeM00000029563	XP_021375107.1	49.5	475			
188	4	359	784	191	662	6.50E-118	433.3	6573	cellular	
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis										
UdeM00000029564	6596	548.9		UdeM00000029564	XP_045165762.1	43.8	664			
282	7	45	619	85	746	8.40E-153	548.9	6596	cellular	
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria										
UdeM00000029566	7654	72.4		UdeM00000029566	XP_041469566.1	45.8	83			
45	0	10	92	5	87	8.80E-10	72.4	7654	cellular	
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus										
UdeM00000029567	7654	72.8		UdeM00000029567	XP_041469566.1	44.8	87			
48	0	1	87	1	87	6.60E-10	72.8	7654	cellular	
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus										
UdeM00000029565	7654	72		UdeM00000029565	XP_041469566.1	44.8	87			
48	0	57	143	1	87	1.40E-09	72	7654	cellular	
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus										
UdeM00000029568	6596	74.7		UdeM00000029568	XP_045181060.1	28.1	153			
104	1	361	513	328	474	3.90E-10	74.7	6596	cellular	
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria										
UdeM00000029569	29159	363.2		UdeM00000029569	XP_011415154.2	44.9	452			
228	5	8	458	19	450	4.80E-97	363.2	29159	cellular	
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas										
UdeM00000029570	29159	381.7		UdeM00000029570	XP_019929119.1	65.7	321			
98	3	367	685	133	443	1.90E-102	381.7	29159	cellular	
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas										

UdeM00000029570 29159 107.5 UdeM00000029570 XP_019929119.1 74.6 63
 16 0 14 76 61 123 7.10E-20 107.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029571 6596 677.9 UdeM00000029571 XP_045185288.1 72.9 457
 119 3 16 470 1 454 9.00E-192 677.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029572 6579 1080.1 UdeM00000029572 XP_033736173.1 67.5
 819 219 6 1 817 1 774 0.00E+00 1080.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029573 6596 229.9 UdeM00000029573 XP_045185340.1 72.9 140
 38 0 1 140 52 191 2.00E-57 229.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029574 6596 234.2 UdeM00000029574 XP_045185340.1 74.3 140
 36 0 1 140 52 191 1.00E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029576 6565 406.8 UdeM00000029576 XP_022345479.1 39.7 700
 391 17 29 711 165 850 6.40E-110 406.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029577 6565 417.5 UdeM00000029577 XP_022337291.1 38.4 763
 429 20 15 757 108 849 3.90E-113 417.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029578 151771 209.5 UdeM00000029578 XP_028396414.1 46
 248 122 6 50 293 648 887 5.70E-51 209.5 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029579 6579 1303.1 UdeM00000029579 XP_033736194.1 67.1
 908 294 2 17 924 17 919 0.00E+00 1303.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029580 6596 168.7 UdeM00000029580 XP_045215193.1 52.2 161
 73 2 1 161 215 371 6.10E-39 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029581 400727 917.5 UdeM00000029581 XP_025104305.1 64.4
711 235 6 1 705 1 699 1.00E-263 917.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000029582 6579 626.7 UdeM00000029582 XP_033736188.1 86.5 392
52 1 1 391 1 392 8.80E-176 626.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029582 6579 213.8 UdeM00000029582 XP_033736188.1 91.7 109
9 0 1635 1743 391 499 1.80E-51 213.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029583 6596 155.2 UdeM00000029583 XP_045186936.1 71.8 354
88 1 1 342 1 354 1.60E-34 155.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029584 6596 695.7 UdeM00000029584 XP_045186950.1 64.9 848
260 8 1 819 1 839 7.20E-197 695.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029585 6596 91.3 UdeM00000029585 XP_045186926.1 52.1 94
42 2 1 91 762 855 7.00E-16 91.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029586 7888 59.3 UdeM00000029586 XP_043912551.1 30.8 107
70 1 5 107 61 167 4.50E-06 59.3 7888 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes;Lepidosirenoidei;Protopterygidae;Protopterygus;Protopterygus annectens

UdeM00000039996 6579 374.4 UdeM00000039996 XP_033731191.1 52.9 333
157 0 5 337 174 506 1.50E-100 374.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039997 6596 478.8 UdeM00000039997 XP_045212274.1 59.4 397
159 2 1 395 131 527 6.70E-132 478.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039998 6573 650.2 UdeM00000039998 XP_021367882.1 39.8 1837
 776 25 22 1823 14 1555 7.80E-183 650.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039999 6596 1698.3 UdeM00000039999 XP_045162309.1 70
 1202 348 4 16 1206 43 1243 0.00E+00 1698.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040001 6596 617.5 UdeM00000040001 XP_045161545.1 56.6 516
 218 4 9 521 7 519 1.60E-173 617.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040002 6596 667.9 UdeM00000040002 XP_045161545.1 59.4 515
 205 3 9 521 7 519 1.00E-188 667.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040003 6596 416 UdeM00000040003 XP_045161545.1 61.9 318
 112 3 3 314 205 519 4.30E-113 416 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040004 6596 203.4 UdeM00000040004 XP_045161545.1 52.2 180
 84 2 9 187 7 185 2.60E-49 203.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040005 6596 378.6 UdeM00000040005 XP_045161545.1 61.6 279
 105 1 8 286 243 519 6.90E-102 378.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040006 6596 279.3 UdeM00000040006 XP_045161545.1 60.2 216
 83 1 31 246 73 285 5.10E-72 279.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040007 1735272 94 UdeM00000040007 XP_041377582.1 72.1
 61 17 0 1 61 304 364 7.80E-17 94 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043189 6596 82 UdeM00000043189 XP_045208259.1 45.3 86
 47 0 32 117 239 324 5.70E-13 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043188 6596 89 UdeM00000043188 XP_045208259.1 27.6 250
 77 2 32 178 239 487 6.90E-15 89 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043190 6596 88.2 UdeM00000043190 XP_045208259.1 41.4 140
 77 3 22 161 401 535 1.10E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043191 6596 85.1 UdeM00000043191 XP_045185384.1 51.1 88
 42 1 4 91 70 156 6.10E-14 85.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034660 6596 397.1 UdeM00000034660 XP_045183941.1 50.3 370
 182 2 312 681 367 734 4.40E-107 397.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034661 6596 263.5 UdeM00000034661 XP_045171298.1 44.5 310
 161 3 1 299 60 369 3.40E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034662 6565 298.1 UdeM00000034662 XP_022303849.1 74.4 199
 51 0 1 199 1 199 8.20E-78 298.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034663 6596 297 UdeM00000034663 XP_045184482.1 38.5 524
 250 13 568 1071 47 518 9.90E-77 297 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034664 6596 307 UdeM00000034664 XP_045184482.1 38.9 543
 248 15 568 1097 47 518 9.80E-80 307 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034665 6596 164.1 UdeM00000034665 XP_045184020.1 37.2 312
 146 10 82 351 90 393 3.30E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034666 225164 211.5 UdeM00000034666 XP_009058199.1 52.4
 208 92 2 1 208 1 201 1.20E-51 211.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000034667 6579 642.1 UdeM00000034667 XP_033752673.1 50.5 689
 295 10 1 680 1 652 7.90E-181 642.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034668 6579 461.8 UdeM00000034668 XP_033752673.1 58.8 388
 150 3 21 406 273 652 8.70E-127 461.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034669 7604 456.4 UdeM00000034669 XP_033641066.1 55.8 378
 167 0 4 381 3 380 3.50E-125 456.4 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea
 UdeM00000034670 6596 149.8 UdeM00000034670 XP_045184020.1 33.4 326
 158 10 31 310 80 392 5.60E-33 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034672 400727 178.3 UdeM00000034672 XP_025082932.1 45.2
 199 107 1 122 320 28 224 1.70E-41 178.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000034671 400727 178.3 UdeM00000034671 XP_025082932.1 45.2
 199 107 1 57 255 28 224 1.40E-41 178.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000034673 6573 312 UdeM00000034673 XP_021370769.1 59.4 261
 103 2 4 261 11 271 7.20E-82 312 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034677 10224 86.3 UdeM00000034677 XP_002740528.1 46.5 99
 45 2 2 100 106 196 2.90E-14 86.3 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii

UdeM00000034678 6596 916 UdeM00000034678 XP_045183995.1 80.4 546
107 0 28 573 89 634 2.40E-263 916 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000034679 6565 120.6 UdeM00000034679 XP_022311724.1 59.6 99
40 0 1 99 501 599 1.20E-24 120.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000034680 6596 228.8 UdeM00000034680 XP_045183925.1 74.5 153
39 0 1 153 1 153 8.60E-57 228.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000034681 29159 228.4 UdeM00000034681 XP_034321866.1 76.3 152
36 0 1 152 3 154 1.10E-56 228.4 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000034682 225164 64.7 UdeM00000034682 XP_009058946.1 66.7
42 14 0 75 116 41 82 9.00E-08 64.7 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiidae; Lottia; Lottia gigantea

UdeM00000034684 6596 896.7 UdeM00000034684 XP_045183793.1 66.1 638
206 4 1 634 1 632 1.70E-257 896.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000034685 6596 276.6 UdeM00000034685 XP_045183890.1 55 222
98 2 5 225 9 229 1.20E-70 276.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000034688 29159 180.3 UdeM00000034688 XP_011429462.2 51.2 170
69 4 3 167 23 183 2.80E-42 180.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000034687 6565 187.2 UdeM00000034687 XP_022335450.1 47.2 195
88 5 17 205 1 186 2.70E-44 187.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000034695 6573 359.8 UdeM00000034695 XP_021354533.1 43.1 599
306 10 24 596 35 624 6.90E-96 359.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034696 6596 469.2 UdeM00000034696 XP_045185177.1 61.7 371
140 1 46 416 70 438 5.60E-129 469.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034697 6596 285.8 UdeM00000034697 XP_045176455.1 62.4 205
77 0 1 205 1 205 6.30E-74 285.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034699 6596 163.7 UdeM00000034699 XP_045185008.1 53 181
64 6 452 628 14 177 7.60E-37 163.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034701 7741 186.4 UdeM00000034701 XP_019622327.1 56.4 165
72 0 1 165 799 963 3.20E-44 186.4 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000034700 7574 304.7 UdeM00000034700 XP_013411634.1 39 454
266 5 468 917 10 456 4.00E-79 304.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000034702 2652724 129 UdeM00000034702 XP_020899142.1 24.1
721 463 20 8 688 188 864 2.40E-26 129 2652724

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000034703 6596 77 UdeM00000034703 XP_045196182.1 44.3 97
54 0 91 187 95 191 3.00E-11 77 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034704 6596 143.3 UdeM00000034704 XP_045184299.1 46.2 184
97 2 6 189 5 186 3.30E-31 143.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034705 6596 603.6 UdeM00000034705 XP_045184800.1 86.8 340
45 0 12 351 14 353 1.60E-169 603.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034706 29159 275.4 UdeM00000034706 XP_019926412.2 49.7 304
 108 5 1 267 1 296 1.00E-70 275.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034708 1735272 398.7 UdeM00000034708 XP_041356179.1 62.9
 353 101 9 1 323 1 353 7.30E-108 398.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000034709 6596 780.4 UdeM00000034709 XP_045184924.1 42.3 1815
 729 39 7 1525 11 1802 4.20E-222 780.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034710 6573 203.8 UdeM00000034710 XP_021366333.1 67.5 203
 64 2 1 203 1 201 2.30E-49 203.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034711 6596 1320.1 UdeM00000034711 XP_045183486.1 60.4
 1251 392 24 31 1251 192 1369 0.00E+00 1320.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034712 6596 349.4 UdeM00000034712 XP_045183486.1 56.7 358
 125 11 112 446 1372 1722 6.90E-93 349.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034713 6565 332 UdeM00000034713 XP_022309566.1 37.2 449
 222 7 438 869 521 926 2.30E-87 332 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034714 6573 327 UdeM00000034714 XP_021375378.1 40.5 373
 200 7 592 960 12 366 9.30E-86 327 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034715 6579 517.7 UdeM00000034715 XP_033762317.1 50.4 544
 260 4 1 538 1 540 1.80E-143 517.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034716 6596 493 UdeM00000034716 XP_045185031.1 68.5 337
 102 1 19 355 190 522 3.10E-136 493 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034717 6579 293.9 UdeM00000034717 XP_033726294.1 35.9 496
298 7 1 480 1 492 3.80E-76 293.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034718 6596 440.3 UdeM00000034718 XP_045183837.1 40.8 576
299 7 112 661 57 616 4.40E-120 440.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034719 2607531 159.1 UdeM00000034719 XP_029646065.1 62.9
116 41 1 653 766 845 960 2.30E-35 159.1 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000034720 6596 459.9 UdeM00000034720 XP_045178768.1 69.8 318
96 0 5 322 43 360 2.60E-126 459.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034721 6596 1493.8 UdeM00000034721 XP_045173057.1 51.8
1700 496 28 8 1414 3 1671 0.00E+00 1493.8 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034722 1735272 228 UdeM00000034722 XP_041356548.1 47.5
236 121 2 3 237 6 239 1.30E-56 228 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039323 6596 1217.2 UdeM00000039323 XP_045192283.1 74.3
805 203 1 7 807 161 965 0.00E+00 1217.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039324 6596 557 UdeM00000039324 XP_045192922.1 41.6 649
354 6 49 673 41 688 3.30E-155 557 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039325 7719 199.5 UdeM00000039325 XP_004227365.1 54 161
74 0 6 166 2 162 3.30E-48 199.5 7719 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000039326 6596 510.4 UdeM00000039326 XP_045192922.1 38.6 696
377 6 28 721 41 688 3.80E-141 510.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039327 29159 517.7 UdeM00000039327 XP_011417304.2 47.3 512
261 7 1 508 61 567 1.70E-143 517.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039328 6596 275.8 UdeM00000039328 XP_045192921.1 30 593
320 8 22 520 22 613 1.10E-70 275.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039329 6596 71.6 UdeM00000039329 XP_045192920.1 25.7 136
101 0 1 136 513 648 8.90E-10 71.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039330 6565 141.4 UdeM00000039330 XP_022287605.1 30.5 302
182 7 5 304 102 377 2.50E-30 141.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039331 6565 141.4 UdeM00000039331 XP_022287605.1 30.5 302
182 7 5 304 102 377 2.40E-30 141.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039332 29159 125.9 UdeM00000039332 XP_019926412.2 43.4 152
83 1 1 149 1 152 4.90E-26 125.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039333 6596 1098.2 UdeM00000039333 XP_045192313.1 72.3
707 193 1 456 1159 372 1078 0.00E+00 1098.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039334 6579 377.5 UdeM00000039334 XP_033755247.1 79.3 213
42 1 1 211 590 802 1.20E-101 377.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039335 6596 193 UdeM00000039335 XP_045194313.1 45.7 234
126 1 19 252 297 529 5.20E-46 193 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039336 1735272 385.6 UdeM00000039336 XP_041376268.1 75
236 59 0 3 238 2 237 4.70E-104 385.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039337 1735272 205.7 UdeM00000039337 XP_041376616.1 59.1
171 68 2 133 301 135 305 8.40E-50 205.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039338 6596 341.3 UdeM00000039338 XP_045194676.1 48.8 381
155 8 4 355 42 411 1.50E-90 341.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039339 6596 348.6 UdeM00000039339 XP_045194676.1 47.2 426
169 11 1 385 1 411 1.00E-92 348.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039340 6105 112.8 UdeM00000039340 XP_031560524.1 51 102
50 0 5 106 39 140 5.60E-22 112.8 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000039342 6596 292.7 UdeM00000039342 XP_045191757.1 94 150
9 0 1 150 146 295 2.90E-76 292.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039341 29159 623.6 UdeM00000039341 XP_011442485.2 87.8 335
41 0 1 335 1 335 1.40E-175 623.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039343 1735272 388.3 UdeM00000039343 XP_041376259.1 51
396 185 4 29 417 20 413 1.30E-104 388.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039344 747089 79.3 UdeM00000039344 XP_025182220.1 30
253 154 10 18 251 445 693 2.00E-11 79.3 747089

cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;

Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
181602=DAOM 197198
UdeM00000039345 747089 79.3 UdeM00000039345 XP_025182220.1 30
253 154 10 18 251 445 693 2.00E-11 79.3 747089
cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
181602=DAOM 197198
UdeM00000039346 45264 176.4 UdeM00000039346 XP_044165143.1 34.7 317
85 3 2 196 157 473 9.00E-41 176.4 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000039347 50390 233.8 UdeM00000039347 XP_028142380.1 54.7 170
77 0 2 171 201 370 1.60E-58 233.8 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera
UdeM00000039348 6596 614.8 UdeM00000039348 XP_045191785.1 65.5 536
145 15 1 519 1 513 1.00E-172 614.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039349 6596 618.6 UdeM00000039349 XP_045191786.1 65.8 529
142 14 18 530 5 510 7.30E-174 618.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039350 6596 696.8 UdeM00000039350 XP_045192665.1 67 482
155 2 24 504 43 521 2.20E-197 696.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039351 6565 242.3 UdeM00000039351 XP_022286317.1 29.8 806
407 31 8 758 16 717 2.00E-60 242.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000039352 6565 238.8 UdeM00000039352 XP_022286312.1 30.1 765
382 29 8 723 16 676 2.20E-59 238.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000039353 6579 1210.3 UdeM00000039353 XP_033754375.1 76.2
827 173 9 1 817 37 849 0.00E+00 1210.3 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000039354 6579 1221.8 UdeM00000039354 XP_033754375.1 77.2
817 172 8 1 807 37 849 0.00E+00 1221.8 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000039355 6579 654.8 UdeM00000039355 XP_033753848.1 54 626
280 6 1 625 14 632 1.10E-184 654.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000039356 46514 81.3 UdeM00000039356 XP_038062873.1 55.4 74
33 0 1 74 20 93 6.30E-13 81.3 46514 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; Asterinidae; Patiria; Patiria miniata
UdeM00000039357 400727 271.6 UdeM00000039357 XP_025115981.1 64.1
198 69 1 1 196 1 198 8.10E-70 271.6 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000039358 1529436 118.6 UdeM00000039358 XP_033095325.1 47.4
116 59 1 1 114 102 217 5.10E-24 118.6 1529436
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Pelmatozoa; Crinoidea; Articulata; Comatulida; Comatulidae; Comatulinae; Anneissia; Anneissia japonica
UdeM00000039359 1529436 86.7 UdeM00000039359 XP_033095325.1 46.8
79 42 0 1 79 102 180 2.20E-14 86.7 1529436
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Pelmatozoa; Crinoidea; Articulata; Comatulida; Comatulidae; Comatulinae; Anneissia; Anneissia japonica
UdeM00000039360 45264 68.6 UdeM00000039360 XP_044165143.1 48.3 60
31 0 68 127 371 430 7.50E-09 68.6 45264 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora millepora
UdeM00000039361 6565 477.2 UdeM00000039361 XP_022343188.1 61.7 376
134 4 6 374 2 374 2.10E-131 477.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000039362 29159 87 UdeM00000039362 XP_034334856.1 33.2 190
57 4 1 128 1 182 1.90E-14 87 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000039363 6596 285 UdeM00000039363 XP_045211715.1 34.1 419
268 5 26 437 28 445 1.60E-73 285 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039364 1735272 178.3 UdeM00000039364 XP_041376251.1 58.6
162 60 3 98 259 116 270 1.30E-41 178.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039365 1735272 178.3 UdeM00000039365 XP_041376251.1 58.6
162 60 3 41 202 116 270 1.00E-41 178.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039366 6596 780.8 UdeM00000039366 XP_045193488.1 53.4 693
298 8 1 683 1 678 1.40E-222 780.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039367 37653 103.2 UdeM00000039367 XP_014786621.1 65 80
27 1 1 79 1 80 1.70E-19 103.2 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000039369 6596 228.4 UdeM00000039369 XP_045187052.1 51.8 220
101 3 2 220 145 360 1.20E-56 228.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039370 1735272 107.5 UdeM00000039370 XP_041375536.1 73.4
64 17 0 9 72 81 144 7.50E-21 107.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039371 6573 104 UdeM00000039371 XP_021354651.1 34 215
122 2 2 216 45 239 2.60E-19 104 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039372 6573 121.3 UdeM00000039372 XP_021370895.1 60.4 111
39 2 19 125 5 114 8.90E-25 121.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039374 400727 385.6 UdeM00000039374 XP_025116001.1 50.4
397 188 6 13 405 14 405 8.00E-104 385.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039375 6579 85.5 UdeM00000039375 XP_033754822.1 50.8 128
 54 3 1 123 1 124 5.50E-14 85.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039376 6596 168.3 UdeM00000039376 XP_045192696.1 43.2 287
 140 8 1 274 1 277 1.30E-38 168.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039378 6596 64.7 UdeM00000039378 XP_045191451.1 55.3 47
 21 0 3 49 5 51 6.80E-08 64.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039379 6596 345.5 UdeM00000039379 XP_045191451.1 50.6 314
 153 2 3 316 5 316 7.10E-92 345.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039380 6596 342 UdeM00000039380 XP_045191451.1 50.6 314
 153 2 3 316 5 316 7.90E-91 342 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039381 6596 350.9 UdeM00000039381 XP_045191451.1 51.6 314
 150 2 22 335 5 316 1.80E-93 350.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039382 6596 251.1 UdeM00000039382 XP_045191451.1 47.7 266
 135 3 2 266 54 316 1.50E-63 251.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039383 6596 333.6 UdeM00000039383 XP_045191451.1 49.5 315
 157 2 3 317 5 317 2.80E-88 333.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039384 6596 258.5 UdeM00000039384 XP_045191451.1 48.5 268
 134 3 9 275 52 316 1.00E-65 258.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039387 6412 150.6 UdeM00000039387 XP_009015452.1 42.5 186
 104 1 1 183 1 186 2.00E-33 150.6 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000039386 6412 147.1 UdeM00000039386 XP_009015452.1 45 160
 88 0 1 160 1 160 1.90E-32 147.1 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000039385 6412 166 UdeM00000039385 XP_009016697.1 38 245
 107 1 1 200 1 245 4.90E-38 166 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000039388 143948 77 UdeM00000039388 XP_015376875.1 44.3
 97 46 3 1 93 301 393 1.40E-11 77 143948
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Diuraphis;Diuraph
 is noxia
 UdeM00000039389 6596 283.1 UdeM00000039389 XP_045191451.1 45.3 316
 170 3 3 318 4 316 4.40E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039391 6579 377.1 UdeM00000039391 XP_033755744.1 50.6 514
 219 15 1 490 1 503 3.40E-101 377.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039392 6596 916 UdeM00000039392 XP_045191892.1 69.7 719
 213 4 1 719 1 714 3.00E-263 916 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039393 6596 827.4 UdeM00000039393 XP_045191897.1 72.3 628
 151 3 1 605 1 628 1.20E-236 827.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039394 6596 172.9 UdeM00000039394 XP_045191897.1 77.7 103
 23 0 1 103 1 103 2.30E-40 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039395 6596 717.2 UdeM00000039395 XP_045191874.1 48.8 850
 230 10 1 834 1 661 2.40E-203 717.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039396 6579 116.3 UdeM00000039396 XP_033753775.1 37.5 128
78 2 215 341 153 279 7.60E-23 116.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039397 29159 1215.7 UdeM00000039397 XP_019928989.1 77.2
838 183 3 1 838 37 866 0.00E+00 1215.7
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039398 6596 578.2 UdeM00000039398 XP_045198138.1 47.2 769
291 19 113 864 2 672 1.80E-161 578.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039399 6573 454.5 UdeM00000039399 XP_021379230.1 59.9 484
160 4 3 485 6 456 1.70E-124 454.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039400 6596 102.4 UdeM00000039400 XP_045193355.1 27.2 607
347 27 189 748 542 1100 2.50E-18 102.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039401 6579 84.7 UdeM00000039401 XP_033754391.1 39.5 124
70 3 31 154 197 315 1.60E-13 84.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039403 6596 104 UdeM00000039403 XP_045193357.1 79.2 96
20 0 1 96 1 96 1.10E-19 104 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039402 6596 243.4 UdeM00000039402 XP_045193357.1 78 173
38 0 1 173 1 173 2.10E-61 243.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039404 6573 224.6 UdeM00000039404 XP_021379331.1 66.7 144
48 0 1 144 187 330 1.00E-55 224.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039405 1735272 396.7 UdeM00000039405 XP_041375577.1 55.2
 429 175 4 1 425 187 602 3.70E-107 396.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039406 1735272 175.3 UdeM00000039406 XP_041375577.1 57.3
 218 87 3 35 248 387 602 1.00E-40 175.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039407 6579 464.5 UdeM00000039407 XP_033755392.1 64.6 404
 129 7 1 399 397 791 1.30E-127 464.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039408 6596 464.2 UdeM00000039408 XP_045192473.1 93.4 258
 17 0 1 258 147 404 1.10E-127 464.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039409 29159 275 UdeM00000039409 XP_011446545.1 77.2 162
 24 1 1 162 1 149 8.10E-71 275 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039410 6573 278.5 UdeM00000039410 XP_021343331.1 40.3 419
 194 8 1 416 1 366 1.40E-71 278.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039412 6573 1034.2 UdeM00000039412 XP_021343463.1 42.1
 1482 800 18 18 1468 12 1466 1.50E-298 1034.2 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039413 6596 318.5 UdeM00000039413 XP_045193973.1 31.6 627
 385 8 5 587 10 636 1.80E-83 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039415 45264 282.7 UdeM00000039415 XP_044171434.1 43.5 347
 189 4 5 346 580 924 8.30E-73 282.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000039418 6596 623.2 UdeM00000039418 XP_045192046.1 45.8 673
 330 5 30 669 27 697 3.70E-175 623.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039419 400727 113.2 UdeM00000039419 XP_025093775.1 57.1
105 24 1 1 84 309 413 1.60E-22 113.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039420 6596 314.7 UdeM00000039420 XP_045192047.1 73.1 201
54 0 1 201 1 201 8.60E-83 314.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039422 6573 403.3 UdeM00000039422 XP_021371297.1 52.9 397
173 4 4 390 8 400 3.50E-109 403.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039423 6596 1105.1 UdeM00000039423 XP_045192171.1 78.6
659 140 1 1 658 1 659 0.00E+00 1105.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039424 6573 767.3 UdeM00000039424 XP_021379318.1 57.5 657
234 7 7 660 2 616 1.60E-218 767.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039425 6596 361.7 UdeM00000039425 XP_045192773.1 47 436
210 8 18 436 41 472 1.30E-96 361.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039426 7654 112.8 UdeM00000039426 XP_041453148.1 53.8 106
47 1 1 104 482 587 3.00E-22 112.8 7654 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus

UdeM00000039427 6596 766.1 UdeM00000039427 XP_045192142.1 71.8 525
145 1 1 522 1 525 2.80E-218 766.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039428 6596 224.2 UdeM00000039428 XP_045191839.1 84.3 134
21 0 1 134 1 134 1.00E-55 224.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039429 1735272 187.6 UdeM00000039429 XP_041376415.1 55.8
 163 70 2 74 235 104 265 1.90E-44 187.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039430 6596 316.6 UdeM00000039430 XP_045193421.1 39.8 561
 311 9 176 715 28 582 1.30E-82 316.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039431 6596 286.6 UdeM00000039431 XP_045193421.1 38.3 561
 291 9 176 687 28 582 1.40E-73 286.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039432 6596 662.1 UdeM00000039432 XP_045192872.1 57.7 555
 219 7 8 550 11 561 6.00E-187 662.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039433 6596 472.2 UdeM00000039433 XP_045193457.1 58.2 368
 152 2 2 367 325 692 5.90E-130 472.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039434 6596 386.3 UdeM00000039434 XP_045193457.1 57.7 317
 122 3 4 308 3 319 3.90E-104 386.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039435 29159 443.7 UdeM00000039435 XP_011423358.3 65.2 325
 110 1 234 558 10 331 3.50E-121 443.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039437 10224 67.4 UdeM00000039437 XP_006820181.1 33 115
 70 2 11 118 421 535 1.40E-08 67.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000039438 29159 338.2 UdeM00000039438 XP_011423358.3 61.7 261
 100 0 49 309 329 589 1.10E-89 338.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039439 1735272 275.8 UdeM00000039439 XP_041376038.1 71.4
 192 54 1 3 193 2 193 4.30E-71 275.8 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039440 29159 547 UdeM00000039440 XP_011423358.3 68 372
119 0 16 387 218 589 2.00E-152 547 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039441 6596 134 UdeM00000039441 XP_045193352.1 32.8 332
185 12 23 334 34 347 3.40E-28 134 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039442 6596 132.5 UdeM00000039442 XP_045193352.1 32.9 331
185 11 27 338 34 346 1.00E-27 132.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039443 6596 110.5 UdeM00000039443 XP_045171683.1 34.3 178
111 3 1 176 28 201 3.80E-21 110.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039444 6596 96.7 UdeM00000039444 XP_045171683.1 33.5 197
116 7 16 208 13 198 5.90E-17 96.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039445 6596 390.2 UdeM00000039445 XP_045192751.1 63.8 304
104 5 19 319 12 312 2.50E-105 390.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039446 6596 264.2 UdeM00000039446 XP_045194436.1 45.8 295
150 3 375 666 445 732 4.40E-67 264.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039447 6596 396.7 UdeM00000039447 XP_045192078.1 49 386
194 3 1 385 25 408 3.50E-107 396.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039448 6596 295.8 UdeM00000039448 XP_045192078.1 50.5 277
135 2 6 281 133 408 6.20E-77 295.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039449 29159 501.1 UdeM00000039449 XP_011423220.2 53.2 477
 216 3 5 475 5 480 1.60E-138 501.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039450 6596 180.3 UdeM00000039450 XP_045193476.1 39.3 252
 142 4 139 383 99 346 4.80E-42 180.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039451 6596 1258.4 UdeM00000039451 XP_045191557.1 67.7
 976 294 10 11 971 43 1012 0.00E+00 1258.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039452 6596 937.6 UdeM00000039452 XP_045191556.1 57 881
 359 6 2 863 55 934 1.20E-269 937.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039453 6596 581.6 UdeM00000039453 XP_045191556.1 61.7 491
 184 2 2 489 55 544 1.00E-162 581.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039454 6596 969.9 UdeM00000039454 XP_045191556.1 58.5 882
 355 5 2 874 55 934 2.20E-279 969.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039455 6596 609.8 UdeM00000039455 XP_045191559.1 57.5 560
 221 7 9 552 27 585 3.50E-171 609.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039456 6573 110.9 UdeM00000039456 XP_021370058.1 23.8 429
 255 11 238 652 211 581 6.10E-21 110.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039458 6596 527.3 UdeM00000039458 XP_045191562.1 65.8 400
 137 0 1 400 63 462 1.70E-146 527.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039459 6596 620.9 UdeM00000039459 XP_045191562.1 67.3 462
 151 0 33 494 21 482 1.40E-174 620.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039461 6573 628.2 UdeM00000039461 XP_021354654.1 65.3 499
 161 1 17 515 12 498 9.00E-177 628.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039462 6596 360.9 UdeM00000039462 XP_045193465.1 57.4 291
 124 0 17 307 15 305 1.60E-96 360.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039463 6596 815.1 UdeM00000039463 XP_045193470.1 66.9 580
 185 3 19 594 14 590 5.90E-233 815.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039464 6596 850.5 UdeM00000039464 XP_045193467.1 68.9 589
 177 2 19 604 14 599 1.30E-243 850.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039465 6596 1434.5 UdeM00000039465 XP_045191846.1 47.3
 1933 810 44 217 2003 286 2155 0.00E+00 1434.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039466 6573 246.9 UdeM00000039466 XP_021343814.1 66.7 189
 49 2 51 225 10 198 2.50E-62 246.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039467 6596 145.6 UdeM00000039467 XP_045187536.1 63 127
 44 2 2 128 228 351 5.20E-32 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039468 6579 193.7 UdeM00000039468 XP_033741736.1 43.6 259
 138 4 1 255 647 901 2.80E-46 193.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039469 6596 296.2 UdeM00000039469 XP_045192227.1 48.4 304
 141 3 39 342 132 419 5.70E-77 296.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039470 6596 353.6 UdeM00000039470 XP_045192227.1 44.1 440
 207 7 12 450 38 439 3.70E-94 353.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039471 6596 335.5 UdeM00000039471 XP_045192227.1 41.3 458
 213 8 3 453 31 439 1.10E-88 335.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039473 6596 169.9 UdeM00000039473 XP_045192227.1 57.2 138
 59 0 3 140 302 439 2.40E-39 169.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039474 6596 316.6 UdeM00000039474 XP_045192227.1 40.1 434
 205 5 44 475 59 439 5.30E-83 316.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039475 6596 330.9 UdeM00000039475 XP_045192227.1 42.2 448
 208 11 5 443 34 439 2.50E-87 330.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039476 6596 338.2 UdeM00000039476 XP_045192227.1 43.5 414
 198 6 36 447 60 439 1.60E-89 338.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039477 6596 425.2 UdeM00000039477 XP_045192227.1 55.3 380
 161 5 9 380 53 431 8.70E-116 425.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039478 6596 819.7 UdeM00000039478 XP_045192225.1 75.3 490
 121 0 19 508 30 519 2.10E-234 819.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039479 1735272 285.4 UdeM00000039479 XP_041375637.1 69.4
 180 55 0 1 180 333 512 5.00E-74 285.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039480 6565 216.5 UdeM00000039480 XP_022338571.1 60.2 171
 68 0 11 181 3 173 2.90E-53 216.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039481 6579 585.5 UdeM00000039481 XP_033753912.1 68.5 394
 124 0 1 394 1 394 5.10E-164 585.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039482 6579 1211.1 UdeM00000039482 XP_033755799.1 71.1
 809 194 7 1 772 1 806 0.00E+00 1211.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039483 6596 866.7 UdeM00000039483 XP_045192204.1 70.6 636
 159 9 21 628 78 713 1.80E-248 866.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039484 6596 971.8 UdeM00000039484 XP_045192204.1 69.8 728
 172 10 20 719 6 713 4.60E-280 971.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039485 6596 121.3 UdeM00000039485 XP_045192198.1 81.9 72
 13 0 20 91 6 77 9.40E-25 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039486 6579 268.9 UdeM00000039486 XP_033754940.1 77.2 171
 38 1 1 171 329 498 4.60E-69 268.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039487 6565 785 UdeM00000039487 XP_022338052.1 72.2 518
 120 2 6 523 6 499 5.80E-224 785 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039488 6596 445.3 UdeM00000039488 XP_045193960.1 53.8 396
 170 5 1 391 1 388 8.10E-122 445.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039489 6596 495.4 UdeM00000039489 XP_045193310.1 43 721
 376 14 3 714 2 696 1.30E-136 495.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039490 6596 690.3 UdeM00000039490 XP_045191414.1 57.9 687
 199 8 1 627 1 657 2.30E-195 690.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039491 6573 79.7 UdeM00000039491 XP_021354289.1 28.8 184
 127 3 1 183 5 185 5.70E-12 79.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039492 6596 521.2 UdeM00000039492 XP_045194003.1 51.9 721
 325 10 24 738 70 774 2.60E-144 521.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039493 6596 518.5 UdeM00000039493 XP_045194003.1 51.7 721
 325 10 24 737 70 774 1.70E-143 518.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039494 400727 107.1 UdeM00000039494 XP_025115082.1 71.4
 70 20 0 1 70 1 70 1.10E-20 107.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000039499 6596 594.7 UdeM00000039499 XP_045191455.1 59.2 520
 189 5 35 551 3 502 1.20E-166 594.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039500 6596 594.7 UdeM00000039500 XP_045191455.1 59.2 520
 189 5 27 543 3 502 1.20E-166 594.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039502 6596 640.6 UdeM00000039502 XP_045192077.1 44.2 712
 372 8 1 697 74 775 2.40E-180 640.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039503 6596 282 UdeM00000039503 XP_045192626.1 49.3 272
 132 3 1 272 1 266 1.20E-72 282 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039504 6596 799.7 UdeM00000039504 XP_045192166.1 50.6 832
 306 10 2 734 12 837 3.40E-228 799.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039505 6596 797.3 UdeM00000039505 XP_045192166.1 51 830
 305 9 2 733 12 837 1.70E-227 797.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039506 6565 127.9 UdeM00000039506 XP_022339689.1 79.5 73
 15 0 6 78 118 190 5.80E-27 127.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039507 10224 300.4 UdeM00000039507 XP_006820181.1 42.6 406
 214 6 3 397 306 703 3.30E-78 300.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000039508 70779 294.7 UdeM00000039508 XP_015760831.1 41.4 396
 222 4 1 388 328 721 1.80E-76 294.7 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000039509 6105 214.5 UdeM00000039509 XP_031559686.1 80.8 120
 22 1 1 120 1 119 8.20E-53 214.5 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000039510 6105 199.1 UdeM00000039510 XP_031559686.1 62.7 158
 20 2 1 158 1 119 4.50E-48 199.1 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000039511 29159 339.7 UdeM00000039511 XP_011445668.2 77.6 201
 45 0 447 647 374 574 8.00E-90 339.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039512 6573 275 UdeM00000039512 XP_021348116.1 78.8 193
 41 0 1 193 733 925 7.20E-71 275 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039515 1735272 65.9 UdeM00000039515 XP_041352226.1 63.4
 41 15 0 106 146 35 75 9.90E-08 65.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039516 1735272 65.9 UdeM00000039516 XP_041352226.1 63.4
 41 15 0 106 146 35 75 8.90E-08 65.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039517 6565 354 UdeM00000039517 XP_022316307.1 37.8 593
 335 12 1 572 5 584 3.80E-94 354 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039518 7962 261.2 UdeM00000039518 XP_042578941.1 32.6 531
 314 12 89 584 59 580 3.50E-66 261.2 7962 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 ideii;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio
 UdeM00000039519 9715 506.9 UdeM00000039519 XP_034862209.1 64.1 376
 128 3 14 383 136 510 2.40E-140 506.9 9715 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Carnivora;Caniformia;Phocidae;Mirounga;Miro
 unga leonina
 UdeM00000039520 37653 158.3 UdeM00000039520 XP_014781973.1 45.6 193
 44 2 1 132 708 900 7.00E-36 158.3 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000039521 6565 277.7 UdeM00000039521 XP_022343054.1 75.6 180
 43 1 1 179 1 180 1.00E-71 277.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039522 6573 209.1 UdeM00000039522 XP_021368914.1 63.6 176
 63 1 70 244 68 243 6.20E-51 209.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039523 1735272 186 UdeM00000039523 XP_041357953.1 46.2
 223 86 5 1 213 1 199 8.70E-44 186 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039524 1735272 186 UdeM00000039524 XP_041357953.1 46.2
 223 86 5 1 213 1 199 8.70E-44 186 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039525 29159 251.1 UdeM00000039525 XP_034301623.1 36.6 464
213 10 1 417 1 430 2.40E-63 251.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039526 29159 277.7 UdeM00000039526 XP_034301623.1 36.8 465
248 8 1 453 1 431 2.60E-71 277.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039527 29159 268.5 UdeM00000039527 XP_034301623.1 38.8 464
240 9 1 453 1 431 1.60E-68 268.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039528 29159 231.9 UdeM00000039528 XP_034301623.1 35.3 428
238 6 1 389 1 428 1.40E-57 231.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039529 29159 219.5 UdeM00000039529 XP_034301623.1 41.4 297
136 7 1 277 1 279 6.90E-54 219.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039530 29159 219.5 UdeM00000039530 XP_034301623.1 41.4 297
136 7 1 277 1 279 7.10E-54 219.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039531 6596 754.2 UdeM00000039531 XP_045193581.1 50.5 705
340 5 8 705 18 720 1.50E-214 754.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039532 7574 172.9 UdeM00000039532 XP_013388573.1 36.1 263
159 5 12 270 556 813 5.80E-40 172.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000039533 6500 196.4 UdeM00000039533 XP_012944231.1 69.4 134
41 0 179 312 20 153 5.40E-46 196.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000039534 6596 759.6 UdeM00000039534 XP_045194118.1 43.6 1126
590 11 314 1411 1445 2553 9.50E-216 759.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheteroconchia

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000039535 6596 760.4 UdeM00000039535 XP_045193581.1 51.1 705
 337 4 8 706 18 720 2.10E-216 760.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039537 6565 566.6 UdeM00000039537 XP_022322655.1 46.3 683
 327 15 1 667 1 659 4.20E-158 566.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039538 6565 543.5 UdeM00000039538 XP_022322655.1 45.2 683
 320 16 1 653 1 659 3.70E-151 543.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039539 6565 124.8 UdeM00000039539 XP_022322655.1 50 120
 60 0 1 120 629 748 7.50E-26 124.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039540 29159 289.3 UdeM00000039540 XP_034330911.1 56.4 241
 101 1 2 242 136 372 4.60E-75 289.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039541 7574 87.8 UdeM00000039541 XP_013408896.1 44 100
 55 1 8 107 216 314 1.00E-14 87.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000039543 6596 657.5 UdeM00000039543 XP_045194118.1 44.3 836
 386 6 1 757 1719 2553 3.30E-185 657.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039544 225164 255.8 UdeM00000039544 XP_009054274.1 48.1
 262 135 1 15 275 208 469 7.00E-65 255.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000039545 6596 111.7 UdeM00000039545 XP_045193581.1 47.6 124
 64 1 18 141 28 150 7.70E-22 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039547 6596 563.9 UdeM00000039547 XP_045193581.1 48.5 538
 255 3 4 520 184 720 2.10E-157 563.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039548 6596 330.9 UdeM00000039548 XP_045194118.1 41.6 406
235 2 45 448 2142 2547 6.50E-87 330.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039549 6596 72.4 UdeM00000039549 XP_045194118.1 39.1 92
55 1 1 91 2456 2547 2.90E-09 72.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039550 6596 361.7 UdeM00000039550 XP_045194118.1 46 480
229 6 23 487 1507 1971 1.70E-96 361.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039551 1735272 72.4 UdeM00000039551 XP_041367412.1 40.2
97 39 3 1 85 301 390 3.20E-10 72.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039552 6579 345.9 UdeM00000039552 XP_033755158.1 55.4 312
125 3 23 332 2 301 9.60E-92 345.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039553 400727 609.8 UdeM00000039553 XP_025115184.1 80.9
356 68 0 2 357 3 358 2.30E-171 609.8 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039554 400727 609.8 UdeM00000039554 XP_025115184.1 81.9
348 63 0 3 350 11 358 2.20E-171 609.8 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039555 29159 510.8 UdeM00000039555 XP_011417587.2 82.6 293
51 0 1 293 66 358 1.20E-141 510.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039556 6573 96.7 UdeM00000039556 XP_021343009.1 43.1 123
57 3 126 238 267 386 4.30E-17 96.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039557 6596 592.8 UdeM00000039557 XP_045192774.1 79 420
 70 5 1 403 1 419 3.30E-166 592.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039560 6850 63.5 UdeM00000039560 XP_013785780.1 50 64
 30 1 28 91 120 181 1.90E-07 63.5 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000039561 29159 789.6 UdeM00000039561 XP_011418967.2 70 590
 172 3 172 760 155 740 3.40E-225 789.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039562 6579 170.2 UdeM00000039562 XP_033755039.1 26.1 743
 463 24 21 735 92 776 1.10E-38 170.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039563 6596 476.5 UdeM00000039563 XP_045191330.1 43.8 568
 307 8 10 571 7 568 4.90E-131 476.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039564 6596 474.9 UdeM00000039564 XP_045191330.1 44.5 560
 299 8 10 563 7 560 1.40E-130 474.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022137 6579 253.1 UdeM00000022137 XP_033731739.1 59.2 191
 78 0 1 191 188 378 2.90E-64 253.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022136 6579 395.6 UdeM00000022136 XP_033731739.1 61.8 280
 107 0 1 280 99 378 5.30E-107 395.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022138 6596 111.3 UdeM00000022138 XP_045157887.1 24 388
 255 12 182 542 631 1005 3.90E-21 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022139 7739 165.6 UdeM00000022139 XP_035666883.1 27.8 371
 247 8 2 355 21 387 1.20E-37 165.6 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000022140 8049 83.2 UdeM00000022140 XP_030200251.1 23.1 238
 86 2 4 144 171 408 3.00E-13 83.2 8049 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
 e;Gadus;Gadus morhua

UdeM00000022141 6596 82.8 UdeM00000022141 XP_045181558.1 36 136
 84 2 21 153 4 139 4.90E-13 82.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022142 6596 206.1 UdeM00000022142 XP_045187175.1 88.4 112
 13 0 1 112 176 287 2.50E-50 206.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022143 10224 94.4 UdeM00000022143 XP_006813734.1 24.3 288
 198 6 1 269 254 540 4.30E-16 94.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000022146 6596 212.2 UdeM00000022146 XP_045187175.1 89.4 113
 12 0 1 113 176 288 3.50E-52 212.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022147 6596 229.9 UdeM00000022147 XP_045187176.1 88.1 126
 15 0 14 139 158 283 2.00E-57 229.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022148 37653 122.1 UdeM00000022148 XP_014790215.1 22.7 510
 316 11 37 478 17 516 2.80E-24 122.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000022149 7741 246.9 UdeM00000022149 XP_019640989.1 24.6 905
 592 30 106 936 110 998 1.00E-61 246.9 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000022151 6596 152.9 UdeM00000022151 XP_045160376.1 75.5 94
 23 0 137 230 359 452 4.90E-34 152.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022151 6596 65.9 UdeM00000022151 XP_045160376.1 42.7 103
 52 4 40 138 98 197 7.90E-08 65.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022152 6596 94.4 UdeM00000022152 XP_045160375.1 57.3 75
 20 1 1 75 1 63 7.10E-17 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022153 6596 69.7 UdeM00000022153 XP_045181558.1 33.8 136
 87 2 21 153 4 139 4.30E-09 69.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022154 6596 471.5 UdeM00000022154 XP_045164557.1 68.8 343
 104 1 1 340 1 343 9.30E-130 471.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022155 29159 182.2 UdeM00000022155 XP_011412349.1 80.7 109
 21 0 1 109 1 109 3.60E-43 182.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022156 6596 1054.7 UdeM00000022156 XP_045185682.1 82.8
 644 107 2 57 700 227 866 5.30E-305 1054.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022157 6596 157.1 UdeM00000022157 XP_045185676.1 78.3 92
 20 0 1 92 97 188 1.60E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022158 6596 209.1 UdeM00000022158 XP_045187972.1 73.2 138
 37 0 1 138 4 141 3.50E-51 209.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022159 6596 1324.3 UdeM00000022159 XP_045187024.1 52.7
 1310 318 3 110 1419 325 1332 0.00E+00 1324.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022160 7370 166 UdeM00000022160 XP_005183562.1 51.3 158
 70 1 1 151 184 341 4.20E-38 166 7370 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;
 Eremoneura;Cyclorrhapha;Schizophora;Calyptratae;Muscoidea;Muscidae;
 Muscinae;Muscini;Musca;Musca;Musca domestica
 UdeM00000022162 6579 334.3 UdeM00000022162 XP_033736370.1 78.9 194
 41 0 328 521 1172 1365 2.70E-88 334.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022163 7741 93.2 UdeM00000022163 XP_019620893.1 36.8 125
 77 2 106 230 102 224 4.70E-16 93.2 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;
 Branchiostoma belcheri
 UdeM00000022164 1735272 116.3 UdeM00000022164 XP_041364761.1 48.5
 99 51 0 1 99 87 185 2.90E-23 116.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000022165 6596 986.1 UdeM00000022165 XP_045187024.1 66 708
 239 2 6 712 349 1055 2.40E-284 986.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022166 6596 359.4 UdeM00000022166 XP_045187023.1 67.8 255
 81 1 6 260 349 602 9.70E-96 359.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022167 10224 85.1 UdeM00000022167 XP_002740528.1 46.5 99
 45 2 2 100 106 196 6.70E-14 85.1 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii
 UdeM00000022169 29159 339.7 UdeM00000022169 XP_034325031.1 68.6 236
 71 2 1 234 84 318 3.00E-90 339.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022170 30611 113.6 UdeM00000022170 XP_023367592.1 77.6 67
 15 0 15 81 16 82 1.20E-22 113.6 30611 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;
 Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;
 Euarchontoglires;Primates;Strepsirrhini;Lorisiformes;Galagidae;Otolemur;
 Otolemur garnettii

UdeM00000022171 6596 558.5 UdeM00000022171 XP_045187025.1 65.2 462
 125 5 6 464 7 435 8.30E-156 558.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022172 6596 149.4 UdeM00000022172 XP_045187021.1 41.4 278
 131 13 1 253 17 287 8.90E-33 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022173 6579 1471.4 UdeM00000022173 XP_033733728.1 59.1
 1323 477 18 107 1397 140 1430 0.00E+00 1471.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022174 6596 198.4 UdeM00000022174 XP_045157974.1 31.4 560
 323 10 278 797 311 849 3.50E-47 198.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022175 6596 667.2 UdeM00000022175 XP_045157974.1 55.9 716
 265 12 15 699 849 1544 2.40E-188 667.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022176 37653 132.5 UdeM00000022176 XP_014771385.1 43.6 156
 73 3 46 188 51 204 5.70E-28 132.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000022177 29159 81.3 UdeM00000022177 XP_011448349.2 52.2 69
 30 1 21 86 10 78 8.70E-13 81.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022179 32473 64.7 UdeM00000022179 XP_027860025.1 52.7 55
 23 1 25 76 40 94 5.90E-08 64.7 32473 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoides;Poeciliidae;Poeciliinae;Xiphophorus;Xiph
 ophorus couchianus
 UdeM00000022180 215358 122.9 UdeM00000022180 XP_027132200.1 33.8
 213 127 4 14 221 78 281 5.40E-25 122.9 215358
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000022181 8236 121.3 UdeM00000022181 XP_044216249.1 39 177
102 2 31 207 100 270 1.50E-24 121.3 8236 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombridae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000022182 30732 185.3 UdeM00000022182 XP_024118320.1 44.2 208
114 2 14 221 409 614 8.60E-44 185.3 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Beloniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000022183 7604 284.6 UdeM00000022183 XP_033641066.1 58.9 209
86 0 1 209 79 287 9.90E-74 284.6 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatacida;Asteroidea;Asteroidea;Asteroidea rubens

UdeM00000022184 6596 380.9 UdeM00000022184 XP_045186145.1 72.3 260
60 2 1 251 1 257 1.20E-102 380.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022185 218467 295 UdeM00000022185 XP_023220759.1 48.8
326 149 4 1 309 76 400 1.20E-76 295 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000022188 6596 229.6 UdeM00000022188 XP_045170003.1 45.4 249
111 4 31 255 38 285 4.60E-57 229.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022189 6596 225.7 UdeM00000022189 XP_045169994.1 57.1 184
75 3 133 313 102 284 8.10E-56 225.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022190 6596 228 UdeM00000022190 XP_045169995.1 54.8 199
85 4 120 314 87 284 1.60E-56 228 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022191 1735272 91.7 UdeM00000022191 XP_041354643.1 37.7
146 86 2 27 170 11 153 1.00E-15 91.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022192 6596 247.7 UdeM00000022192 XP_045162544.1 46.5 245
117 4 32 267 87 326 1.70E-62 247.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022193 6596 125.9 UdeM00000022193 XP_045157209.1 52.6 97
46 0 1 97 140 236 2.80E-26 125.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022194 6596 105.1 UdeM00000022194 XP_045170022.1 40.3 134
68 3 14 135 17 150 6.90E-20 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022195 6573 435.6 UdeM00000022195 XP_021340974.1 57.1 361
144 3 2 354 162 519 5.90E-119 435.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022196 6596 439.1 UdeM00000022196 XP_045172329.1 51.9 482
182 8 1 469 1 445 8.50E-120 439.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022197 6573 301.2 UdeM00000022197 XP_021367619.1 86.4 162
22 0 11 172 23 184 8.40E-79 301.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022198 1735272 336.3 UdeM00000022198 XP_041353691.1 53.4
290 134 1 5 294 70 358 4.00E-89 336.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022199 1735272 376.7 UdeM00000022199 XP_041353691.1 51.6
349 160 3 4 350 17 358 3.20E-101 376.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022200 6565 148.3 UdeM00000022200 XP_022328615.1 33.2 280
 162 7 415 690 281 539 3.60E-32 148.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022201 6596 89.4 UdeM00000022201 XP_045171877.1 28 225
 136 9 30 242 26 236 1.10E-14 89.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022202 6596 90.5 UdeM00000022202 XP_045171877.1 32.8 229
 131 13 7 220 1 221 4.50E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022203 400727 423.3 UdeM00000022203 XP_025108466.1 45.7
 495 254 5 26 520 63 542 5.60E-115 423.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000022204 29159 79.3 UdeM00000022204 XP_011430997.2 27.7 195
 122 9 44 229 41 225 1.50E-11 79.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022205 29159 301.2 UdeM00000022205 XP_011447604.2 45 358
 146 3 31 339 26 381 1.80E-78 301.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041033 1735272 177.9 UdeM00000041033 XP_041375172.1 35.9
 298 144 8 1 259 1 290 1.80E-41 177.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041036 1735272 315.1 UdeM00000041036 XP_041375172.1 37.7
 472 259 10 6 462 28 479 1.50E-82 315.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041035 1735272 315.1 UdeM00000041035 XP_041375172.1 37.7
 472 259 10 50 506 28 479 1.70E-82 315.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041037 6596 316.2 UdeM00000041037 XP_045193716.1 41.7 410
 217 10 98 500 79 473 7.50E-83 316.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041038 6596 314.7 UdeM00000041038 XP_045193716.1 40.4 436
229 13 33 455 56 473 2.00E-82 314.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041039 6596 314.7 UdeM00000041039 XP_045193716.1 40.4 436
229 13 77 499 56 473 2.20E-82 314.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041040 6596 316.2 UdeM00000041040 XP_045193716.1 41.7 410
217 10 98 500 79 473 7.50E-83 316.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041041 6596 362.5 UdeM00000041041 XP_045193840.1 73.5 238
63 0 14 251 9 246 4.50E-97 362.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041043 6596 769.2 UdeM00000041043 XP_045191737.1 74.9 494
116 4 1 487 1 493 3.10E-219 769.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041044 1735272 97.4 UdeM00000041044 XP_041376918.1 55.8
86 34 2 18 100 63 147 1.20E-17 97.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041045 6573 193 UdeM00000041045 XP_021343888.1 50.8 197
95 2 36 230 25 221 4.30E-46 193 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041046 1676925 286.2 UdeM00000041046 XP_023671416.1 59.9
217 87 0 17 233 115 331 4.10E-74 286.2 1676925

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossoccephalai;Osteoglossoccephala;Osteoglossomorpha;Osteoglossiformes;Mormyridae;Paramormyrops;Paramormyrops kingsleyae

UdeM00000041047 29159 84.3 UdeM00000041047 NP_001292290.1 58.7 75
31 0 16 90 10 84 8.60E-14 84.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041048 6565 158.3 UdeM00000041048 XP_022322229.1 43.2 220
63 4 5 162 40 259 9.20E-36 158.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041049 6596 204.9 UdeM00000041049 XP_045193504.1 60.9 192
67 3 69 260 735 918 1.20E-49 204.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041050 6596 1005 UdeM00000041050 XP_045193504.1 71.1 658
187 1 30 687 93 747 4.80E-290 1005 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041051 6565 369.8 UdeM00000041051 XP_022321191.1 58.3 309
121 2 32 340 8 308 3.80E-99 369.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041052 6565 306.2 UdeM00000041052 XP_022321191.1 58.3 259
100 2 2 260 58 308 4.00E-80 306.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041053 6596 331.3 UdeM00000041053 XP_045156247.1 36 570
269 10 9 489 193 755 2.10E-87 331.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041054 6579 217.2 UdeM00000041054 XP_033754538.1 70.9 141
41 0 26 166 37 177 1.50E-53 217.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000041055 6596 303.1 UdeM00000041055 XP_045192648.1 58.3 252
104 1 5 256 29 279 3.30E-79 303.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041056 6596 347.4 UdeM00000041056 XP_045192648.1 68.1 251
79 1 3 253 30 279 1.50E-92 347.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041057 6596 347.4 UdeM00000041057 XP_045192648.1 68.1 251
 79 1 3 253 30 279 1.50E-92 347.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041059 6596 909.4 UdeM00000041059 XP_045194881.1 36.7 1723
 783 40 3 1612 22 1549 6.30E-261 909.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041060 225164 186.8 UdeM00000041060 XP_009061444.1 79.6
 113 23 0 1 113 1 113 1.50E-44 186.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000041061 6596 115.9 UdeM00000041061 XP_045193048.1 66.3 83
 28 0 15 97 86 168 6.30E-23 115.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041063 6596 914.4 UdeM00000041063 XP_045194210.1 57.9 756
 314 2 5 760 4 755 9.80E-263 914.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041065 6596 536.2 UdeM00000041065 XP_045192969.1 59.4 416
 169 0 2 417 27 442 4.10E-149 536.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041064 6596 569.7 UdeM00000041064 XP_045192969.1 60 442
 177 0 1 442 1 442 3.50E-159 569.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041066 6579 1244.6 UdeM00000041066 XP_033755661.1 80.5
 844 151 4 1 841 73 905 0.00E+00 1244.6 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041067 6596 517.3 UdeM00000041067 XP_045192267.1 60.3 380
 151 0 6 385 2 381 1.70E-143 517.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041068 6596 322.4 UdeM00000041068 XP_045192111.1 58.2 280
 102 5 53 319 64 341 6.50E-85 322.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041069 6596 317 UdeM00000041069 XP_045193107.1 90.1 171
 17 0 181 351 150 320 3.00E-83 317 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041070 6565 407.1 UdeM00000041070 XP_022342402.1 42.2 528
 223 11 7 463 36 552 4.40E-110 407.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041071 6596 336.3 UdeM00000041071 XP_045193145.1 41.5 530
 270 11 1 494 7 532 6.80E-89 336.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041072 6573 451.8 UdeM00000041072 XP_021364443.1 51.2 502
 202 13 201 696 391 855 2.10E-123 451.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041073 6573 451.8 UdeM00000041073 XP_021364443.1 51.2 502
 202 13 201 696 391 855 2.10E-123 451.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041074 6596 211.1 UdeM00000041074 XP_045191469.1 50.7 221
 103 3 3 219 10 228 1.50E-51 211.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041075 6565 113.2 UdeM00000041075 XP_022295767.1 41.9 160
 89 4 1 157 370 528 3.50E-22 113.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041077 1735272 129.8 UdeM00000041077 XP_041360711.1 36.5
 192 113 4 5 194 6 190 4.40E-27 129.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041080 45264 246.9 UdeM00000041080 XP_044184031.1 43.1 320
 152 7 130 423 171 486 4.60E-62 246.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000041081 45264 246.9 UdeM00000041081 XP_044184031.1 43.1 320
 152 7 84 377 171 486 4.10E-62 246.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000041082 151771 97.1 UdeM00000041082 XP_028405874.1 43.2
 125 70 1 10 133 69 193 1.90E-17 97.1 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000041083 45264 99.8 UdeM00000041083 XP_044165143.1 31.3 249
 78 3 27 186 35 279 4.00E-18 99.8 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000041084 6596 533.9 UdeM00000041084 XP_045191472.1 55.9 528
 194 12 34 530 9 528 2.40E-148 533.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041085 6596 164.1 UdeM00000041085 XP_045191481.1 69.2 104
 31 1 25 128 21 123 1.20E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041087 1529436 112.5 UdeM00000041087 XP_033113122.1 58.2
 79 33 0 52 130 18 96 4.30E-22 112.5 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000041088 29159 449.5 UdeM00000041088 XP_011453759.1 72.7 300
 79 1 6 302 7 306 3.40E-123 449.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041089 6579 113.6 UdeM00000041089 XP_033753907.1 34.4 209
 106 6 120 297 166 374 4.60E-22 113.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041090 6596 783.1 UdeM00000041090 XP_045191639.1 66 570
 183 4 17 580 8 572 2.60E-223 783.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041091 6596 878.6 UdeM00000041091 XP_045191655.1 44 1208
 547 21 9 1167 14 1140 9.30E-252 878.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041092 6596 486.9 UdeM00000041092 XP_045193317.1 40.3 680
344 10 2 626 159 831 4.10E-134 486.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041093 6596 928.3 UdeM00000041093 XP_045194976.1 43.2 1241
636 20 1 1191 1 1222 9.70E-267 928.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041094 29159 308.5 UdeM00000041094 XP_034299116.1 41.1 411
212 12 87 494 75 458 1.50E-80 308.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041095 6565 276.2 UdeM00000041095 XP_022341974.1 49.8 281
120 6 14 293 198 458 5.00E-71 276.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041096 6565 271.9 UdeM00000041096 XP_022341974.1 49.8 281
120 6 14 293 198 458 9.40E-70 271.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041097 6596 278.1 UdeM00000041097 XP_045175116.1 35.1 373
238 2 18 388 25 395 1.70E-71 278.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041098 6596 312.4 UdeM00000041098 XP_045212714.1 30.5 696
452 11 2 670 3 693 1.40E-81 312.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041099 6105 190.3 UdeM00000041099 XP_031552933.1 42.9 247
124 7 10 253 186 418 3.30E-45 190.3 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000041101 6105 287.7 UdeM00000041101 XP_031557194.1 40 448
224 9 7 451 4 409 2.60E-74 287.7 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000041102 6573 359 UdeM00000041102 XP_021358036.1 79.6 206
42 0 1 206 1 206 4.10E-96 359 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000041103 1735272 256.1 UdeM00000041103 XP_041376080.1 58
250 99 2 15 264 69 312 4.80E-65 256.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000041104 6500 278.5 UdeM00000041104 XP_005101801.1 51.9 318
119 5 17 327 52 342 1.10E-71 278.5 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000041105 6596 498 UdeM00000041105 XP_045192822.1 86.4 273
37 0 1 273 1 273 7.40E-138 498 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041106 6596 260.4 UdeM00000041106 XP_045192822.1 82.3 147
26 0 23 169 127 273 1.60E-66 260.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042580 6596 266.9 UdeM00000042580 XP_045169179.1 40.5 494
157 7 3 494 1 359 5.00E-68 266.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042581 400727 264.2 UdeM00000042581 XP_025082762.1 34.3
469 291 10 35 498 72 528 5.10E-67 264.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000042582 29159 721.1 UdeM00000042582 XP_034299215.1 58 669
259 9 6 667 410 1063 1.30E-204 721.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042584 6596 710.7 UdeM00000042584 XP_045210461.1 53.7 721
264 11 106 768 99 807 2.00E-201 710.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042585 29159 237.7 UdeM00000042585 XP_034302577.1 44.7 322
140 10 1 299 515 821 2.00E-59 237.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042586 6596 172.2 UdeM00000042586 XP_045208242.1 41.3 196
 107 5 25 215 37 229 8.00E-40 172.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042587 6596 215.3 UdeM00000042587 XP_045208242.1 50 198
 91 5 25 217 40 234 8.90E-53 215.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042588 6565 1162.1 UdeM00000042588 XP_022337673.1 42.2
 1739 833 37 2 1664 3 1645 0.00E+00 1162.1 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042589 6573 321.6 UdeM00000042589 XP_021373995.1 50.4 585
 205 12 1 535 1 550 2.10E-84 321.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042590 6573 363.2 UdeM00000042590 XP_021373995.1 51.5 608
 210 12 1 558 1 573 6.80E-97 363.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042591 6573 358.2 UdeM00000042591 XP_021373995.1 50 608
 210 10 1 549 1 573 2.20E-95 358.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042592 1314785 154.1 UdeM00000042592 XP_040760614.1 51.7
 145 70 0 23 167 5 149 1.60E-34 154.1 1314785
 cellular
 organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Basidiomycota;Agaricomycot
 ina;Agaricomycetes;Agaricomycetes incertae
 sedis;Polyporales;Laetiporaceae;Laetiporus;Laetiporus
 sulphureus;Laetiporus sulphureus 93-53
 UdeM00000042593 6573 445.3 UdeM00000042593 XP_021377083.1 93.2 235
 16 0 1 235 1 235 4.90E-122 445.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042594 1735272 143.7 UdeM00000042594 XP_041371744.1 50.3
 143 70 1 57 198 44 186 2.60E-31 143.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042595 45264 193.7 UdeM00000042595 XP_044165535.1 42.7 246
 125 4 19 259 339 573 3.50E-46 193.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000042596 6596 927.9 UdeM00000042596 XP_045209006.1 57.4 761
 300 10 10 758 44 792 1.30E-266 927.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042597 400727 73.9 UdeM00000042597 XP_025108636.1 32.1
 196 114 6 6 190 47 234 4.40E-10 73.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000042598 400727 79.3 UdeM00000042598 XP_025108636.1 32.9
 216 121 8 149 350 29 234 1.50E-11 79.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000042599 6596 85.5 UdeM00000042599 XP_045209795.1 30.6 186
 114 4 6 184 1071 1248 8.30E-14 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042600 6565 60.8 UdeM00000042600 XP_022306521.1 50 46
 20 1 21 63 396 441 2.70E-06 60.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037648 6596 74.3 UdeM00000037648 XP_045194453.1 31.1 135
 89 3 20 152 131 263 1.50E-10 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037649 6596 125.6 UdeM00000037649 XP_045208321.1 31.1 244
 142 7 26 261 14 239 9.70E-26 125.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037650 6565 223 UdeM00000037650 XP_022297447.1 50.5 220
 107 2 101 318 145 364 5.40E-55 223 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037651 6596 185.7 UdeM00000037651 XP_045173138.1 26.5 683
 452 18 33 682 35 700 2.30E-43 185.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037652 6596 138.3 UdeM00000037652 XP_045173138.1 28.2 401
 262 8 17 395 19 415 2.20E-29 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037654 6596 177.2 UdeM00000037654 XP_045206913.1 25.5 644
 437 15 12 630 7 632 7.80E-41 177.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037655 6596 218.4 UdeM00000037655 XP_045191091.1 34.4 419
 217 6 10 372 1 417 1.60E-53 218.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037656 6596 208.8 UdeM00000037656 XP_045189535.1 33.2 397
 240 5 3 374 6 402 1.30E-50 208.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037657 400727 660.6 UdeM00000037657 XP_025114320.1 70.5
 437 125 3 80 515 65 498 1.70E-186 660.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000037658 133434 138.3 UdeM00000037658 XP_022094913.1 45.3
 150 70 3 60 198 63 211 1.10E-29 138.3 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000037659 6596 573.5 UdeM00000037659 XP_045204164.1 94.9 276
 14 0 1 276 28 303 1.40E-160 573.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037660 6596 443.7 UdeM00000037660 XP_045202617.1 66.8 307
 99 1 1 307 1 304 1.90E-121 443.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037661 6596 1084.7 UdeM00000037661 XP_045202587.1 73
 738 181 2 1 720 1 738 0.00E+00 1084.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000037662 6596 197.6 UdeM00000037662 XP_045202587.1 77.2 123
 28 0 1 123 1 123 1.00E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037663 6596 927.9 UdeM00000037663 XP_045202587.1 66.4 743
 169 4 19 755 123 790 8.00E-267 927.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037664 400727 63.5 UdeM00000037664 XP_025108210.1 28.5
 137 95 3 26 162 107 240 2.80E-07 63.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000037665 42514 72.4 UdeM00000037665 XP_017549368.1 91.7 36
 3 0 1 36 535 570 3.40E-10 72.4 42514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiformes;Characo
 idei;Serrasalminae;Pygocentrus;Pygocentrus nattereri
 UdeM00000037667 7725 65.5 UdeM00000037667 XP_039269390.1 30 110
 77 0 24 133 81 190 6.10E-08 65.5 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
 clava
 UdeM00000037668 29159 128.3 UdeM00000037668 XP_034307878.1 31 242
 154 4 1 233 1 238 1.60E-26 128.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037669 6565 129.4 UdeM00000037669 XP_022287605.1 45.5 123
 65 2 5 127 102 222 4.20E-27 129.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037671 6573 684.5 UdeM00000037671 XP_021340854.1 46.3 868
 371 19 11 859 16 807 1.80E-193 684.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037672 34773 295.8 UdeM00000037672 XP_041966593.1 35.7 504
 305 13 100 595 143 635 1.30E-76 295.8 34773 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;A
 losa sapidissima

UdeM00000037673 6596 142.5 UdeM00000037673 XP_045171063.1 33.7 255
 154 6 2 245 41 291 1.10E-30 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037674 6565 287 UdeM00000037674 XP_022305442.1 37.8 407
 244 8 13 416 110 510 4.00E-74 287 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037675 6573 564.3 UdeM00000037675 XP_021340947.1 44 671
 346 12 2 668 12 656 2.10E-157 564.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037676 1735272 707.6 UdeM00000037676 XP_041369964.1 66
 529 174 4 1 524 1 528 1.20E-200 707.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000037677 6596 662.5 UdeM00000037677 XP_045201661.1 52.2 678
 307 8 4 677 11 675 5.60E-187 662.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037678 6573 747.3 UdeM00000037678 XP_021349019.1 74.5 478
 118 3 1 476 1 476 1.20E-212 747.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037679 6500 139.8 UdeM00000037679 XP_035826768.1 74.2 97
 25 0 11 107 2 98 2.30E-30 139.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000037680 6565 158.7 UdeM00000037680 XP_022323275.1 39.8 241
 92 6 452 640 39 278 4.50E-35 158.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037681 6565 761.5 UdeM00000037681 XP_022323271.1 55.3 720
 252 7 1 706 1 664 9.30E-217 761.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037682 6596 827 UdeM00000037682 XP_045203336.1 70.3 582
 164 5 1 574 1 581 1.50E-236 827 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037683 6500 201.1 UdeM00000037683 XP_005098867.1 60.1 168
 67 0 2 169 84 251 1.20E-48 201.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000037684 133434 119.4 UdeM00000037684 XP_022088996.1 74.6
 71 18 0 1 71 1 71 2.20E-24 119.4 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvataceae;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000037687 6565 107.1 UdeM00000037687 XP_022337731.1 56.2 96
 40 2 2 96 115 209 1.30E-20 107.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037688 29159 122.1 UdeM00000037688 XP_034307860.1 51.4 109
 53 0 1 109 1 109 4.80E-25 122.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037689 37621 119.4 UdeM00000037689 XP_014673981.1 46.9 143
 42 3 1 109 76 218 3.30E-24 119.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000037690 37621 187.6 UdeM00000037690 XP_014678940.1 51.6 186
 86 3 3 185 771 955 1.60E-44 187.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000037691 29159 59.3 UdeM00000037691 XP_034307860.1 53.7 54
 25 0 1 54 1 54 2.20E-06 59.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037693 6596 188.7 UdeM00000037693 XP_045199084.1 46.1 206
 107 1 26 227 41 246 8.20E-45 188.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037694 6596 186.4 UdeM00000037694 XP_045199084.1 46.3 190
 98 1 46 231 61 250 4.10E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037695 6596 590.1 UdeM00000037695 XP_045202104.1 47.9 595
 291 6 85 668 85 671 3.90E-165 590.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037696 6579 203 UdeM00000037696 XP_033728194.1 35.2 366
 224 5 1 357 282 643 6.50E-49 203 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037697 6596 645.2 UdeM00000037697 XP_045202104.1 47.7 682
 298 7 80 704 80 759 9.60E-182 645.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037698 6596 383.6 UdeM00000037698 XP_045202104.1 37.4 597
 231 7 80 537 80 672 5.30E-103 383.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037699 6596 693.7 UdeM00000037699 XP_045202104.1 50.8 679
 314 7 85 747 85 759 2.50E-196 693.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037700 6596 549.7 UdeM00000037700 XP_045202104.1 43.9 681
 231 8 18 550 80 757 4.30E-153 549.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037701 6596 702.2 UdeM00000037701 XP_045202104.1 51.2 682
 316 7 85 756 85 759 7.10E-199 702.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037702 6596 218.4 UdeM00000037702 XP_045170262.1 39.2 319
 169 8 39 354 60 356 1.60E-53 218.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037703 6596 217.2 UdeM00000037703 XP_045170262.1 42.1 273
 147 6 29 301 95 356 3.10E-53 217.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037704 6596 568.9 UdeM00000037704 XP_045202111.1 50.8 575
 257 7 100 668 94 648 8.30E-159 568.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037706 6596 427.9 UdeM00000037706 XP_045189007.1 41 575
 300 14 3 550 38 600 1.90E-116 427.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037707 6573 387.5 UdeM00000037707 XP_021375269.1 94.1 205
 12 0 1 205 1 205 1.10E-104 387.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037708 6596 306.2 UdeM00000037708 XP_045200835.1 52.9 280
 131 1 29 308 21 299 5.00E-80 306.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037709 45264 393.3 UdeM00000037709 XP_044165535.1 48.3 377
 191 1 1 373 158 534 4.10E-106 393.3 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000037710 6579 369.4 UdeM00000037710 XP_033732019.1 79.6 221
 45 0 3 223 2 222 3.40E-99 369.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037711 29159 143.7 UdeM00000037711 XP_034316161.1 42.9 163
 92 1 1 162 718 880 2.10E-31 143.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037712 400727 85.1 UdeM00000037712 XP_025112734.1 45.1
 82 44 1 6 87 21 101 5.40E-14 85.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000037713 46514 76.6 UdeM00000037713 XP_038046081.1 30.5 177
 111 3 166 331 177 352 7.50E-11 76.6 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000037714 46514 75.1 UdeM00000037714 XP_038046724.1 31.4 175
 110 5 176 344 117 287 2.50E-10 75.1 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000037715 6596 549.7 UdeM00000037715 XP_045198944.1 46.7 644
 288 12 4 619 14 630 5.00E-153 549.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037716 116153 186 UdeM00000037716 XP_019873496.1 60.4
 144 57 0 5 148 625 768 3.80E-44 186 116153
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Cucujoidea;Nitidulidae;Nitidulinae;Aethina;Aethina tumida
 UdeM00000037717 6565 1127.9 UdeM00000037717 XP_022325520.1 62
 981 343 7 30 993 23 990 0.00E+00 1127.9 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037718 6565 1157.1 UdeM00000037718 XP_022325520.1 62.8
 983 351 6 30 1012 23 990 0.00E+00 1157.1 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037719 6596 720.3 UdeM00000037719 XP_045212932.1 75.9 468
 112 1 38 505 26 492 1.70E-204 720.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037720 29159 164.9 UdeM00000037720 XP_011426275.2 50.7 146
 72 0 8 153 11 156 1.40E-37 164.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037721 29159 164.9 UdeM00000037721 XP_011426275.2 50.7 146
 72 0 8 153 11 156 1.40E-37 164.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037722 6579 324.3 UdeM00000037722 XP_033731291.1 67.8 245
 78 1 1 244 7 251 1.30E-85 324.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037723 6596 197.2 UdeM00000037723 XP_045188232.1 47.9 188
 98 0 33 220 61 248 2.30E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037725 6573 210.7 UdeM00000037725 XP_021357351.1 43.5 262
 138 6 89 349 77 329 3.20E-51 210.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037726 6579 316.2 UdeM00000037726 XP_033729894.1 55.4 289
 114 4 4 290 10 285 4.30E-83 316.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000037727 6579 647.9 UdeM00000037727 XP_033762841.1 61.1 519
196 4 6 519 9 526 1.10E-182 647.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000037728 6579 624.8 UdeM00000037728 XP_033762841.1 61.7 488
182 3 1 483 39 526 9.30E-176 624.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000037729 6565 92 UdeM00000037729 XP_022325946.1 33.6 211
119 5 603 807 905 1100 3.70E-15 92 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000037731 6596 516.5 UdeM00000037731 XP_045202533.1 80.8 317
61 0 1 317 1 317 2.60E-143 516.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000037732 6596 548.9 UdeM00000037732 XP_045202553.1 72.3 354
84 2 2 355 340 679 4.80E-153 548.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000037734 1735272 97.1 UdeM00000037734 XP_041369472.1 32.7
202 116 4 1 191 712 904 2.80E-17 97.1 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis
UdeM00000037733 1735272 496.5 UdeM00000037733 XP_041369472.1 39.3
731 412 8 31 747 192 904 6.00E-137 496.5 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis
UdeM00000037735 6573 183.7 UdeM00000037735 XP_021355307.1 48.1 185
96 0 1 185 1 185 2.20E-43 183.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000037736 1529436 195.7 UdeM00000037736 XP_033117385.1 32
447 258 13 17 445 126 544 1.40E-46 195.7 1529436
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Pelmatozoa; Crinoidea; Articulata; Comatulida; Comatulidae; Comatulinae; Anneissia; Anneissia japonica
UdeM00000037737 70779 79.7 UdeM00000037737 XP_015777172.1 38 92
57 0 12 103 46 137 2.60E-12 79.7 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera

UdeM00000037738	6565	1838.5		UdeM00000037738	XP_022322197.1	61.8				
	1587	466	10	40	1571	13	1513	0.00E+00	1838.5	6565

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037739	6565	1936.4		UdeM00000037739	XP_022322197.1	63.8				
	1587	489	9	40	1626	13	1513	0.00E+00	1936.4	6565

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037740	6565	1928.3		UdeM00000037740	XP_022322197.1	63.6				
	1587	489	10	40	1624	13	1513	0.00E+00	1928.3	6565

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037741	6596	107.1		UdeM00000037741	XP_045203537.1	32.9	161			
	108	0	1	161	1	161	5.40E-20	107.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037742	1735272			152.1	UdeM00000037742	XP_041367923.1	36			
	242	114	6	5	212	123	357	7.80E-34	152.1	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037743	400727			613.2	UdeM00000037743	XP_025114034.1	62.7			
	456	166	2	28	480	52	506	2.80E-172	613.2	400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000037744	6596	316.6		UdeM00000037744	XP_045201815.1	32.7	732			
	416	21	1	686	4	704	8.70E-83	316.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037745	6596	87		UdeM00000037745	XP_045202210.1	32.2	214			
	130	5	82	285	33	241	4.20E-14	87	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037746	6596	406.8		UdeM00000037746	XP_045177776.1	34.8	840			
	487	18	296	1122	394	1185	1.00E-109	406.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037747 6596 489.6 UdeM00000037747 XP_045177776.1 37.6 744
428 8 296 1035 394 1105 1.40E-134 489.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037747 6596 62 UdeM00000037747 XP_045177776.1 38.8 80
49 0 1225 1304 1106 1185 7.00E-06 62 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037748 6596 101.3 UdeM00000037748 XP_045175285.1 52.6 97
44 2 79 174 650 745 2.10E-18 101.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037749 6596 308.5 UdeM00000037749 XP_045207279.1 80.4 184
36 0 1 184 120 303 5.60E-81 308.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037750 6579 194.1 UdeM00000037750 XP_033730557.1 85.3 102
15 0 32 133 332 433 1.10E-46 194.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040942 6596 70.9 UdeM00000040942 XP_045209908.1 30.4 257
151 6 6 259 291 522 3.40E-09 70.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040943 6596 86.3 UdeM00000040943 XP_045209908.1 36.1 191
84 9 1 164 11 190 4.10E-14 86.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040945 7574 76.3 UdeM00000040945 XP_013388751.1 50.5 99
42 2 3 98 2 96 3.00E-11 76.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000040946 6500 87.8 UdeM00000040946 XP_005107661.1 31.2 170
104 4 1 170 1 157 1.50E-14 87.8 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000040947 1735272 317 UdeM00000040947 XP_041370966.1 32.4
 667 403 16 67 709 11 653 6.10E-83 317 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000040948 48498 186.8 UdeM00000040948 XP_020632024.1 38.4 242
 112 5 2 242 3 208 3.20E-44 186.8 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000040949 6596 171.4 UdeM00000040949 XP_045166630.1 40 220
 94 7 1 202 1 200 1.30E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040950 6579 416 UdeM00000040950 XP_033758692.1 72.7 264
 69 2 1 261 1 264 3.60E-113 416 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040957 6579 201.8 UdeM00000040957 XP_033728274.1 40.9 301
 137 7 1 283 1 278 1.40E-48 201.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040958 6579 170.2 UdeM00000040958 XP_033756770.1 73 111
 30 0 9 119 2 112 1.50E-39 170.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040959 6579 329.3 UdeM00000040959 XP_033756770.1 64.4 253
 88 2 1 252 130 381 4.20E-87 329.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044194 6579 141.7 UdeM00000044194 XP_033758019.1 57.6 132
 52 2 11 141 710 838 9.00E-31 141.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044195 6573 320.5 UdeM00000044195 XP_021354829.1 59.4 266
 74 4 1 236 178 439 3.80E-84 320.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044196 6573 320.5 UdeM00000044196 XP_021354829.1 59.4 266
 74 4 1 236 178 439 3.50E-84 320.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044197 6565 181 UdeM00000044197 XP_022318089.1 74.2 120
 30 1 1 119 1 120 9.50E-43 181 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000044198 7741 474.9 UdeM00000044198 XP_019618826.1 50.1 515
173 4 20 450 5 519 1.70E-130 474.9 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000044199 1735272 677.2 UdeM00000044199 XP_041363084.1 83.4
391 64 1 5 394 17 407 1.30E-191 677.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000044200 1735272 535.4 UdeM00000044200 XP_041363084.1 69.1
391 59 2 5 333 17 407 5.10E-149 535.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000044214 1735272 113.6 UdeM00000044214 XP_041374221.1 37.8
193 102 3 16 208 18 192 3.10E-22 113.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000044215 6596 107.1 UdeM00000044215 XP_045209482.1 47.4 116
61 0 8 123 14 129 2.80E-20 107.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044216 1735272 125.2 UdeM00000044216 XP_041374221.1 35.9
223 125 2 16 238 18 222 2.00E-25 125.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000044217 6596 103.6 UdeM00000044217 XP_045209482.1 39.4 170
91 2 6 175 5 162 3.20E-19 103.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044218 1735272 120.9 UdeM00000044218 XP_041374221.1 37.3
193 103 2 16 208 18 192 1.90E-24 120.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000044219 6596 288.1 UdeM00000044219 XP_045195540.1 48.2 278
141 2 4 279 45 321 1.20E-74 288.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044220 6565 109.4 UdeM00000044220 XP_022301673.1 31.6 206
 137 2 33 238 6 207 6.50E-21 109.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044221 6565 109.4 UdeM00000044221 XP_022301673.1 31.6 206
 137 2 35 240 6 207 6.50E-21 109.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044222 6596 96.7 UdeM00000044222 XP_045209482.1 46.2 117
 58 2 3 114 1 117 2.10E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044223 6596 287 UdeM00000044223 XP_045195540.1 48.4 277
 140 2 5 279 46 321 2.70E-74 287 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044224 1735272 111.7 UdeM00000044224 XP_041374221.1 33.8
 216 122 3 25 240 25 219 2.30E-21 111.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000044225 6596 291.2 UdeM00000044225 XP_045195540.1 48.7 277
 139 2 5 279 46 321 1.40E-75 291.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044227 6596 69.7 UdeM00000044227 XP_045196982.1 30.2 205
 114 7 325 512 262 454 1.30E-08 69.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044228 6596 628.6 UdeM00000044228 XP_045196981.1 56.5 612
 174 9 13 534 100 709 7.80E-177 628.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006566 6596 70.5 UdeM00000006566 XP_045183821.1 44 75
 40 2 107 179 146 220 2.90E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006569 400727 272.3 UdeM00000006569 XP_025081813.1 80.4
163 32 0 18 180 335 497 4.70E-70 272.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000006570 37003 142.9 UdeM00000006570 XP_017295549.1 64.4 118
40 2 1 116 466 583 4.20E-31 142.9 37003 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;
Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;
Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Cypripinodontiformes;
Aplocheiloidei;Rivulidae;Kryptolebias;Kryptolebias marmoratus

UdeM00000006571 6596 114.8 UdeM00000006571 XP_045180427.1 39 177
105 2 76 250 98 273 1.70E-22 114.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006572 6526 72.4 UdeM00000006572 XP_013065713.1 26.6 222
120 7 40 254 1085 1270 1.50E-09 72.4 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;
Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000006573 46731 83.2 UdeM00000006573 XP_027054866.1 24.1 323
211 10 83 374 2045 2364 1.10E-12 83.2 46731 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopora damicornis

UdeM00000006574 6573 70.9 UdeM00000006574 XP_021371356.1 39.8 113
57 5 56 161 3231 3339 1.80E-09 70.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006577 29159 124.8 UdeM00000006577 XP_034301566.1 41.8 182
88 4 46 214 5294 5470 2.00E-25 124.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006578 6596 69.3 UdeM00000006578 XP_045183821.1 44 75
40 2 107 179 146 220 6.50E-09 69.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006579 6596 69.3 UdeM00000006579 XP_045183821.1 44 75
40 2 93 165 146 220 6.00E-09 69.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006588 6565 102.1 UdeM00000006588 XP_022303788.1 42.6 108
 61 1 62 169 298 404 7.40E-19 102.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006593 6565 108.2 UdeM00000006593 XP_022303788.1 44.4 108
 59 1 181 288 298 404 1.80E-20 108.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006594 225164 557 UdeM00000006594 XP_009051252.1 72.5
 363 100 0 52 414 13 375 2.10E-155 557 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006595 6579 346.7 UdeM00000006595 XP_033756141.1 60.9 274
 101 3 36 306 34 304 4.40E-92 346.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006596 6579 307.8 UdeM00000006596 XP_033756141.1 53.7 285
 126 3 30 311 28 309 2.20E-80 307.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006597 6579 440.3 UdeM00000006597 XP_033725090.1 28.3 2159
 1027 66 43 2030 70 1878 1.40E-119 440.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006598 29159 112.8 UdeM00000006598 XP_034320172.1 64.1 103
 28 1 2 95 15 117 2.50E-22 112.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006599 6565 413.7 UdeM00000006599 XP_022311964.1 63.5 408
 132 3 2 393 14 420 2.60E-112 413.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006600 6596 337 UdeM00000006600 XP_045184087.1 70.4 267
 75 2 16 282 149 411 2.30E-89 337 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006602 1735272 470.7 UdeM00000006602 XP_041356035.1 73.4
 308 82 0 19 326 31 338 1.50E-129 470.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000006603 6596 620.2 UdeM00000006603 XP_045180917.1 33.2 1146
 732 14 40 1165 21 1153 5.70E-174 620.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006604 6596 1416 UdeM00000006604 XP_045183478.1 51.4 1552
 561 26 27 1412 39 1562 0.00E+00 1416 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006605 6596 1463 UdeM00000006605 XP_045183478.1 52.7 1565
 598 30 27 1489 39 1562 0.00E+00 1463 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006606 6565 251.1 UdeM00000006606 XP_022297447.1 51 243
 103 2 63 289 122 364 1.70E-63 251.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006607 45264 124 UdeM00000006607 XP_044166166.1 31.7 246
 94 4 1 178 549 788 2.00E-25 124 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora

UdeM00000006608 6565 94.4 UdeM00000006608 XP_022308193.1 42.1 126
 69 2 10 133 6 129 1.30E-16 94.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006609 6565 342.4 UdeM00000006609 XP_022308193.1 43.8 413
 119 4 1 309 153 556 5.90E-91 342.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006610 6596 328.6 UdeM00000006610 XP_045192577.1 32 851
 464 40 135 918 136 938 2.60E-86 328.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006611 27405 66.2 UdeM00000006611 XP_042878588.1 43.5 85
 36 5 111 192 1811 1886 5.40E-08 66.2 27405 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus japonicus

UdeM00000006612 6596 112.5 UdeM00000006612 XP_045192577.1 40.2 179
 90 7 460 630 769 938 2.00E-21 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006613 6596 160.6 UdeM00000006613 XP_045192661.1 35.6 284
 164 10 739 1011 555 830 1.00E-35 160.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006614 6596 74.7 UdeM00000006614 XP_045211613.1 28.8 170
 115 3 540 708 1003 1167 5.50E-10 74.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006617 6596 159.8 UdeM00000006617 XP_045192661.1 32.6 356
 193 17 775 1111 503 830 1.90E-35 159.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006618 6596 73.9 UdeM00000006618 XP_045211613.1 28.7 164
 109 3 1181 1341 992 1150 1.70E-09 73.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006619 6596 96.7 UdeM00000006619 XP_045184781.1 43.4 106
 51 1 259 364 1213 1309 6.90E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006620 6596 153.3 UdeM00000006620 XP_045185209.1 26.2 442
 249 18 19 397 10 437 6.50E-34 153.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006621 6596 79.3 UdeM00000006621 XP_045185209.1 26.5 245
 139 9 5 218 203 437 6.70E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006622 6596 99 UdeM00000006622 XP_045185209.1 32.8 180
 101 5 105 269 257 431 1.00E-17 99 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006623 6596 95.9 UdeM00000006623 XP_045169361.1 26.4 261
 163 11 6 245 4 256 9.30E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006624 9209 64.3 UdeM00000006624 XP_009503568.1 28.9 135
 92 2 11 142 1688 1821 1.50E-07 64.3 9209 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Pelecaniformes;Phalacrocoracidae;Phalacrocorax;Phalacrocorax
 carbo
 UdeM00000006625 6596 99 UdeM00000006625 XP_045185209.1 32.8 180
 101 5 105 269 257 431 1.00E-17 99 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006626 6596 151 UdeM00000006626 XP_045185209.1 26.7 442
 247 18 11 389 10 437 3.20E-33 151 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006627 6596 95.1 UdeM00000006627 XP_045184309.1 34.4 189
 103 7 252 424 253 436 2.30E-16 95.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006628 6596 73.6 UdeM00000006628 XP_045184309.1 37.9 132
 73 4 44 171 310 436 3.00E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006629 6579 705.7 UdeM00000006629 XP_033728194.1 51.2 693
 325 5 1 684 282 970 5.90E-200 705.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006630 7574 234.6 UdeM00000006630 XP_013382110.1 43.7 279
 118 4 1 252 37 303 1.40E-58 234.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006631 7574 172.9 UdeM00000006631 XP_013384628.1 55.3 161
 63 2 1 161 33 184 3.70E-40 172.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006632 6596 86.7 UdeM00000006632 XP_045184309.1 34.9 166
 89 5 10 161 276 436 3.20E-14 86.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006633 6596 131 UdeM00000006633 XP_045184309.1 31.3 329
 182 16 25 332 131 436 3.00E-27 131 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006636 400727 79.3 UdeM00000006636 XP_025081995.1 39.5
 114 60 3 10 118 6 115 6.50E-12 79.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006637 400727 75.1 UdeM00000006637 XP_025081996.1 36.5
 104 61 2 13 113 7 108 1.20E-10 75.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006638 400727 68.6 UdeM00000006638 XP_025081995.1 33.3
 105 65 2 1 102 7 109 1.10E-08 68.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006640 6596 824.3 UdeM00000006640 XP_045183699.1 45.9 1138
 514 23 10 1097 1 1086 1.80E-235 824.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006642 6596 148.7 UdeM00000006642 XP_045167150.1 26.8 529
 316 11 113 576 249 771 2.40E-32 148.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006644 6596 190.3 UdeM00000006644 XP_045184309.1 30.7 424
 248 16 27 417 27 437 5.10E-45 190.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006645 6573 366.7 UdeM00000006645 XP_021375729.1 48.6 366
 164 5 4 352 276 634 3.40E-98 366.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006646 6579 201.4 UdeM00000006646 XP_033731619.1 55.8 163
 72 0 15 177 64 226 1.10E-48 201.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006647 6596 136.3 UdeM00000006647 XP_045196183.1 43.8 176
 88 4 3 174 13 181 4.30E-29 136.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006648 6596 406.4 UdeM00000006648 XP_045198465.1 36 652
 384 16 1 641 181 810 6.90E-110 406.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006649 6596 137.1 UdeM00000006649 XP_045181024.1 37.5 224
 133 3 4 220 858 1081 3.10E-29 137.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006650 6596 75.9 UdeM00000006650 XP_045196183.1 38.7 106
 63 2 3 106 13 118 3.80E-11 75.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006651 6596 222.2 UdeM00000006651 XP_045198465.1 33.3 457
 248 13 3 416 13 455 1.20E-54 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006652 6596 344.7 UdeM00000006652 XP_045198465.1 39.7 479
 268 9 2 475 547 1009 1.90E-91 344.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006654 6596 661.8 UdeM00000006654 XP_045181024.1 35.8 1071
 648 18 31 1077 29 1083 1.60E-186 661.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006655 6596 665.6 UdeM00000006655 XP_045181024.1 35.9 1071
 651 17 31 1081 29 1083 1.10E-187 665.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006656 46514 58.2 UdeM00000006656 XP_038062873.1 49.2 59
 27 1 23 81 51 106 5.90E-06 58.2 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000006657 29159 394 UdeM00000006657 XP_034303860.1 44.1 499
 224 9 5 464 21 503 2.60E-106 394 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006658 29159 98.6 UdeM00000006658 XP_034317101.1 37.6 125
 75 1 4 125 182 306 6.00E-18 98.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006660 29159 119.8 UdeM00000006660 XP_011456129.2 35.5 169
 55 2 160 274 79 247 5.50E-24 119.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006659 29159 119.8 UdeM00000006659 XP_011456129.2 35.5 169
 55 2 119 233 79 247 4.70E-24 119.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006661 6596 657.1 UdeM00000006661 XP_045198465.1 37.7 1023
 578 27 2 1007 30 1010 3.80E-185 657.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006662 6565 190.3 UdeM00000006662 XP_022312414.1 47 215
 109 4 4 217 190 400 2.70E-45 190.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006664 6596 662.9 UdeM00000006664 XP_045181024.1 35.8 1113
 660 19 7 1095 2 1083 7.20E-187 662.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006665 6596 647.5 UdeM00000006665 XP_045181024.1 36.5 1038
 621 18 4 1021 64 1083 2.90E-182 647.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006666 6596 145.6 UdeM00000006666 XP_045198465.1 42.5 181
 96 3 5 182 14 189 6.30E-32 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006667 6596 528.1 UdeM00000006667 XP_045198465.1 36.3 854
 493 22 1 838 181 999 2.30E-146 528.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006668 6596 528.1 UdeM00000006668 XP_045198465.1 36.3 854
 493 22 1 838 181 999 2.30E-146 528.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006669 46514 87.8 UdeM00000006669 XP_038062873.1 53.3 90
 41 1 1 90 20 108 7.80E-15 87.8 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000006670 6596 661 UdeM00000006670 XP_045198465.1 37.8 1029
 581 27 14 1024 12 999 2.70E-186 661 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006671 6596 661 UdeM00000006671 XP_045198465.1 37.8 1029
 581 27 14 1024 12 999 2.70E-186 661 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006672 6596 543.9 UdeM00000006672 XP_045198465.1 36.2 865
 501 21 1 849 181 1010 4.00E-151 543.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006673 6596 184.9 UdeM00000006673 XP_045210680.1 41.5 224
 122 3 61 277 28 249 1.50E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006674 6579 1346.6 UdeM00000006674 XP_033725870.1 46.9
 1430 730 16 3 1421 321 1732 0.00E+00 1346.6 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006675 6596 1468.8 UdeM00000006675 XP_045210680.1 43.6
 1737 910 28 33 1741 28 1723 0.00E+00 1468.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006676 6596 263.5 UdeM00000006676 XP_045216733.1 40.8 355
 199 7 32 385 169 513 4.40E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006677 6596 270.4 UdeM00000006677 XP_045216733.1 43.5 315
 169 5 139 449 204 513 4.20E-69 270.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006678 6596 258.8 UdeM00000006678 XP_045216733.1 46 272
 144 3 39 309 244 513 8.70E-66 258.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006679 6596 477.6 UdeM00000006679 XP_045173292.1 49.5 519
 234 6 54 545 5 522 2.20E-131 477.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006680 6596 475.7 UdeM00000006680 XP_045173292.1 49.9 513
 229 6 54 539 5 516 8.10E-131 475.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006681 1735272 111.7 UdeM00000006681 XP_041364761.1 45.1
 113 62 0 95 207 35 147 1.40E-21 111.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006682 400727 524.6 UdeM00000006682 XP_025089507.1 43.5
 648 328 6 14 625 28 673 1.70E-145 524.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006683 7574 81.3 UdeM00000006683 XP_013388751.1 52.5 99
 41 3 5 103 4 96 1.90E-12 81.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006684 7574 86.3 UdeM00000006684 XP_013388751.1 54.1 98
 40 2 5 102 4 96 6.00E-14 86.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006685 7574 147.5 UdeM00000006685 XP_013396733.1 39.7 229
 135 3 74 300 22 249 2.70E-32 147.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000006686 7574 146.4 UdeM00000006686 XP_013396733.1 39.7 229
 135 3 74 300 22 249 6.00E-32 146.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006687 7574 148.7 UdeM00000006687 XP_013396733.1 40 245
 142 4 37 279 7 248 1.10E-32 148.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006688 7574 147.9 UdeM00000006688 XP_013396733.1 40.8 228
 132 3 51 276 22 248 1.90E-32 147.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006689 6596 60.5 UdeM00000006689 XP_045199277.1 32 100
 66 1 13 110 32 131 1.60E-06 60.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006690 225164 60.8 UdeM00000006690 XP_009058784.1 34.2
 76 50 0 17 92 641 716 1.20E-06 60.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006691 225164 60.8 UdeM00000006691 XP_009058784.1 34.2
 76 50 0 17 92 641 716 1.20E-06 60.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006692 225164 60.8 UdeM00000006692 XP_009058784.1 34.2
 76 50 0 17 92 641 716 1.20E-06 60.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006693 225164 60.8 UdeM00000006693 XP_009058784.1 34.2
 76 50 0 17 92 641 716 1.20E-06 60.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006694 225164 63.5 UdeM00000006694 XP_009058784.1 35.9
 78 50 0 15 92 639 716 1.90E-07 63.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006695 6596 367.1 UdeM00000006695 XP_045215420.1 59.5 294
 114 2 28 321 28 316 2.30E-98 367.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006696 29159 193.7 UdeM00000006696 XP_011429550.1 52.6 156
74 0 3 158 36 191 2.00E-46 193.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006697 6105 117.9 UdeM00000006697 XP_031574328.1 39.1 151
76 4 21 159 103 249 1.30E-23 117.9 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000006698 225164 59.3 UdeM00000006698 XP_009058784.1 34.2
76 50 0 17 92 641 716 3.60E-06 59.3 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000006703 6596 368.2 UdeM00000006703 XP_045215420.1 59.9 294
113 2 28 321 28 316 1.00E-98 368.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006704 225164 59.7 UdeM00000006704 XP_009058784.1 31.3
83 57 0 17 99 641 723 2.70E-06 59.7 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000006705 225164 67 UdeM00000006705 XP_009058784.1 34.9
83 54 0 17 99 641 723 1.70E-08 67 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000006706 225164 62.8 UdeM00000006706 XP_009058784.1 31.8
85 58 0 15 99 639 723 3.20E-07 62.8 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000006707 225164 61.6 UdeM00000006707 XP_009058784.1 32.2
90 59 1 15 102 639 728 7.20E-07 61.6 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000006708 225164 62.8 UdeM00000006708 XP_009058784.1 31.8
85 58 0 15 99 639 723 3.20E-07 62.8 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000006709 225164 63.9 UdeM00000006709 XP_009058784.1 33.3
 90 58 1 15 102 639 728 1.40E-07 63.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006710 225164 64.3 UdeM00000006710 XP_009058784.1 36
 75 48 0 15 89 639 713 1.10E-07 64.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006711 225164 65.9 UdeM00000006711 XP_009058784.1 32.9
 85 57 0 15 99 639 723 3.80E-08 65.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006712 225164 65.5 UdeM00000006712 XP_009058784.1 32.9
 85 57 0 15 99 639 723 5.00E-08 65.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006713 225164 63.5 UdeM00000006713 XP_009058784.1 34.6
 78 51 0 15 92 639 716 1.90E-07 63.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006714 6579 609.4 UdeM00000006714 XP_033725858.1 65.9 461
 151 3 15 473 29 485 4.00E-171 609.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006715 29159 100.9 UdeM00000006715 XP_034304939.1 57.5 87
 37 0 1 87 2040 2126 8.60E-19 100.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006716 6596 338.6 UdeM00000006716 XP_045184149.1 52.3 298
 142 0 3 300 7 304 8.40E-90 338.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006717 6596 761.1 UdeM00000006717 XP_045197699.1 48.3 924
 425 11 24 937 261 1141 1.60E-216 761.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000044229 6579 255.4 UdeM000000044229 XP_033762187.1 50 274
 114 7 43 297 60 329 9.30E-65 255.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000044230 400727 66.6 UdeM00000044230 XP_025082049.1 37.2
78 45 1 1 78 208 281 3.50E-08 66.6 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000044231 6596 208.4 UdeM00000044231 XP_045202146.1 45.2 217
104 2 58 261 76 290 1.20E-50 208.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044232 7574 147.1 UdeM00000044232 XP_013408419.1 32.8 268
154 4 44 286 129 395 3.40E-32 147.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036035 6596 630.9 UdeM00000036035 XP_045187267.1 55.3 541
233 4 2 539 24 558 1.40E-177 630.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036038 6596 790 UdeM00000036038 XP_045190315.1 61.7 622
238 0 3 624 1 622 2.20E-225 790 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036039 6596 788.5 UdeM00000036039 XP_045190315.1 61.1 622
242 0 3 624 1 622 6.40E-225 788.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036040 6596 837.4 UdeM00000036040 XP_045190594.1 45 983
515 4 34 991 17 998 2.80E-239 837.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036041 6573 195.7 UdeM00000036041 XP_021350804.1 42.1 235
129 4 7 237 1 232 9.00E-47 195.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036042 29159 351.3 UdeM00000036042 XP_034329485.1 29.1 924
480 18 8 792 361 1248 3.30E-93 351.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostracida;Ostreoida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036043 225164 994.6 UdeM00000036043 XP_009048879.1 68.5
 727 229 0 71 797 47 773 7.60E-287 994.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000036044 6565 107.5 UdeM00000036044 XP_022297447.1 51.4 105
 36 1 1 90 117 221 1.20E-20 107.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036045 7668 75.5 UdeM00000036045 XP_030841875.1 51.6 64
 30 1 3 66 71 133 6.80E-11 75.5 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000036046 6596 535 UdeM00000036046 XP_045188797.1 68.3 379
 117 2 3 381 1 376 7.80E-149 535 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036047 29159 255.8 UdeM00000036047 XP_011447223.2 36.2 500
 129 5 16 507 405 722 1.20E-64 255.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036048 6596 953.4 UdeM00000036048 XP_045189107.1 58.9 769
 306 7 4 767 5 768 1.80E-274 953.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036049 6596 497.3 UdeM00000036049 XP_045191210.1 56.5 494
 170 5 12 505 70 518 2.40E-137 497.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036050 6596 933.3 UdeM00000036050 XP_045189772.1 43.3 1156
 546 18 6 1138 1 1070 3.10E-268 933.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036051 7574 260 UdeM00000036051 XP_013402087.1 92.3 143
 11 0 1 143 1 143 1.80E-66 260 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000036052 6596 995 UdeM00000036052 XP_045190747.1 65 778
 214 6 6 774 5 733 5.90E-287 995 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036053 6596 988.8 UdeM00000036053 XP_045190747.1 63.7 788
212 5 6 778 5 733 4.20E-285 988.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036054 6596 976.5 UdeM00000036054 XP_045190747.1 61.2 829
208 6 6 819 5 734 2.30E-281 976.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036055 6579 739.2 UdeM00000036055 XP_033757119.1 49.6 848
389 10 1 839 1 819 5.90E-210 739.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036056 43150 432.6 UdeM00000036056 XP_039945092.1 74.5 274
70 0 1 274 8 281 3.80E-118 432.6 43150 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Passeriformes;Sylvioidea;Hirundinidae;Hirundo;Hirundo rustica

UdeM00000036057 6573 478.8 UdeM00000036057 XP_021378645.1 49.6 474
237 2 44 516 51 523 9.00E-132 478.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036058 6596 1116.7 UdeM00000036058 XP_045189673.1 62.8
914 333 2 1 907 1 914 0.00E+00 1116.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036059 2607531 77.8 UdeM00000036059 XP_029645104.1 55
80 36 0 1 80 1 80 7.30E-12 77.8 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000036061 2607531 64.3 UdeM00000036061 XP_029645104.1 55.6
63 28 0 12 74 18 80 7.80E-08 64.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000036062 6596 571.6 UdeM00000036062 XP_045189156.1 62.6 462
142 5 36 480 25 472 9.30E-160 571.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036063 6596 924.5 UdeM00000036063 XP_045189159.1 71 618
176 2 1 616 1 617 7.20E-266 924.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036067 6596 188.3 UdeM00000036067 XP_045190761.1 58.6 145
60 0 16 160 14 158 7.50E-45 188.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036066 6596 236.1 UdeM00000036066 XP_045190761.1 61 182
71 0 16 197 14 195 3.80E-59 236.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036068 7574 592 UdeM00000036068 XP_013420563.1 89.2 306
31 2 137 441 376 680 6.10E-166 592 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036069 6596 248.4 UdeM00000036069 XP_045190759.1 48.7 314
136 13 1 309 1 294 1.20E-62 248.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036070 1735272 486.5 UdeM00000036070 XP_041369060.1 80.4
281 55 0 1 281 10 290 2.30E-134 486.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036071 6596 325.5 UdeM00000036071 XP_045189484.1 64.9 245
84 2 44 286 35 279 6.90E-86 325.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036073 6596 168.7 UdeM00000036073 XP_045188248.1 65 223
72 3 16 233 138 359 8.80E-39 168.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036074 6596 353.6 UdeM00000036074 XP_045189501.1 44.7 445
217 9 77 505 21 452 4.30E-94 353.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036075 6573 412.9 UdeM00000036075 XP_021351632.1 52.5 484
 198 9 1 461 1 475 5.30E-112 412.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036076 6573 222.6 UdeM00000036076 XP_021351632.1 58.5 229
 87 3 2 224 249 475 4.90E-55 222.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036078 6596 593.6 UdeM00000036078 XP_045189878.1 73.9 426
 96 6 46 466 73 488 2.20E-166 593.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036079 6596 986.9 UdeM00000036079 XP_045190054.1 55 1010
 393 17 308 1264 189 1189 2.40E-284 986.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036080 6596 986.1 UdeM00000036080 XP_045190054.1 54.8 1010
 394 16 308 1263 189 1189 4.10E-284 986.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036081 6596 678.7 UdeM00000036081 XP_045189868.1 45.8 997
 397 14 247 1196 359 1259 1.50E-191 678.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036082 6565 518.5 UdeM00000036082 XP_022288335.1 23.5 2274
 1396 56 15 2229 7 1996 4.40E-143 518.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036083 6565 519.6 UdeM00000036083 XP_022288335.1 23.6 2299
 1415 57 15 2253 7 2023 2.00E-143 519.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036084 6565 519.6 UdeM00000036084 XP_022288335.1 23.5 2329
 1410 58 15 2284 7 2023 2.00E-143 519.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036085 6596 155.6 UdeM00000036085 XP_045188362.1 25.1 438
 293 5 819 1248 49 459 4.10E-34 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036087 6596 1109 UdeM00000036087 XP_045190526.1 58.9 961
370 11 1 941 1 956 0.00E+00 1109 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036088 6596 486.9 UdeM00000036088 XP_045188772.1 32.1 1273
690 28 1 1137 1 1234 7.10E-134 486.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036090 6573 450.3 UdeM00000036090 XP_021348633.1 75.2 282
68 1 1 280 158 439 1.80E-123 450.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036089 6500 573.2 UdeM00000036089 XP_005093477.1 66.7 418
134 3 16 430 6 421 2.80E-160 573.2 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000036091 6500 575.1 UdeM00000036091 XP_005093477.1 66.6 419
135 2 16 432 6 421 7.50E-161 575.1 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000036092 6579 384.4 UdeM00000036092 XP_033756749.1 36.1 699
274 11 554 1087 209 899 4.70E-103 384.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036093 6596 321.6 UdeM00000036093 XP_045189044.1 60 280
107 3 3 277 33 312 1.00E-84 321.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036094 7574 163.7 UdeM00000036094 XP_013390298.1 61.4 132
51 0 1 132 1 132 1.90E-36 163.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036095 6573 650.2 UdeM00000036095 XP_021369664.1 56.4 585
240 4 31 601 65 648 2.60E-183 650.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036096 7574 728 UdeM00000036096 XP_023933273.1 44.2 1076
503 24 1 1039 40 1055 1.70E-206 728 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036097 6596 308.5 UdeM00000036097 XP_045190602.1 33.2 677
332 15 1 631 1 603 2.00E-80 308.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000036098 225164 308.5 UdeM00000036098 XP_009058992.1 59
227 93 0 51 277 730 956 2.90E-80 308.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000036099 6596 673.7 UdeM00000036099 XP_045188260.1 55.4 744
266 12 4 683 5 746 2.50E-190 673.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000036100 6596 180.3 UdeM00000036100 XP_045191325.1 44.2 278
137 6 14 275 4 279 4.20E-42 180.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000036101 6596 179.9 UdeM00000036101 XP_045191325.1 45.7 256
124 4 7 249 26 279 5.10E-42 179.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000036103 1415580 544.3 UdeM00000036103 XP_030075314.1 53.8
517 220 4 1 514 125 625 1.70E-151 544.3 1415580
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor

UdeM00000036104 260995 82.4 UdeM00000036104 XP_033812940.1 51.4
74 35 1 1 74 1 73 2.70E-13 82.4 260995
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
e;Geotrypetes;Geotrypetes seraphini

UdeM00000036105 260995 77.4 UdeM00000036105 XP_033812940.1 48.6
74 37 1 1 74 1 73 1.10E-11 77.4 260995
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
e;Geotrypetes;Geotrypetes seraphini

UdeM00000036106 1415580 548.1 UdeM00000036106 XP_030075314.1 54.7
 517 215 4 1 514 125 625 1.20E-152 548.1 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000036109 7897 71.6 UdeM00000036109 XP_014347369.1 45.6 79
 43 0 6 84 311 389 5.40E-10 71.6 7897 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Coelacanthimorpha;Coelacanthiformes;Coelacanthidae;Latimeria;La
 timeria chalumnae
 UdeM00000036110 6565 88.6 UdeM00000036110 XP_022288562.1 49.4 89
 45 0 1 89 73 161 5.00E-15 88.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036111 29159 242.3 UdeM00000036111 XP_034307861.1 57.9 190
 79 1 11 200 3 191 8.20E-61 242.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036113 6565 108.6 UdeM00000036113 XP_022288562.1 46.1 115
 62 0 1 115 73 187 7.40E-21 108.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036116 6596 323.2 UdeM00000036116 XP_045183440.1 48.3 350
 162 3 32 363 32 380 5.60E-85 323.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036118 6565 151 UdeM00000036118 XP_022302274.1 44.9 178
 96 2 14 191 127 302 1.60E-33 151 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036119 6596 188 UdeM00000036119 XP_045191218.1 74.6 126
 32 0 155 280 188 313 1.70E-44 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036120 6596 341.3 UdeM00000036120 XP_045191220.1 65.6 273
 75 3 16 273 17 285 1.20E-90 341.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036121 6596 111.3 UdeM00000036121 XP_045188249.1 53.4 88
 34 1 3 90 46 126 2.60E-21 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036122 29159 147.1 UdeM00000036122 XP_011415541.1 39.3 382
197 9 3 365 62 427 4.30E-32 147.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036123 6596 335.9 UdeM00000036123 XP_045189702.1 51.7 315
143 5 3 314 5 313 1.10E-88 335.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036124 6596 889.4 UdeM00000036124 XP_045189703.1 55.6 739
321 4 1 738 351 1083 4.30E-255 889.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036125 29159 108.2 UdeM00000036125 XP_034318217.1 44 109
60 1 9 116 419 527 8.30E-21 108.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036126 6596 297.7 UdeM00000036126 XP_045216906.1 47.4 306
151 6 1 299 154 456 1.60E-77 297.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036127 7906 84.7 UdeM00000036127 XP_034777329.1 26.5 238
149 10 7 221 23 257 1.70E-13 84.7 7906 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000036128 6579 193 UdeM00000036128 XP_033728272.1 30.9 450
102 6 2 243 129 577 4.90E-46 193 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036129 29159 257.7 UdeM00000036129 XP_034318677.1 49.3 300
128 8 5 294 13 298 1.80E-65 257.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036130 6596 88.6 UdeM00000036130 XP_045204208.1 32.5 280
160 9 2 269 2521 2783 1.30E-14 88.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036131 29159 173.3 UdeM00000036131 XP_011413671.2 75.7 107
 26 0 1 107 125 231 5.00E-40 173.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036132 29159 256.9 UdeM00000036132 XP_011453863.2 52.5 299
 112 7 1 294 28 301 3.20E-65 256.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036133 6596 121.7 UdeM00000036133 XP_045189555.1 93.4 61
 4 0 1 61 1 61 3.50E-25 121.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036135 1735272 251.9 UdeM00000036135 XP_041362472.1 39.5
 349 196 7 1 341 185 526 1.30E-63 251.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000036137 6579 464.2 UdeM00000036137 XP_033757488.1 64.9 325
 110 3 1 323 1 323 1.40E-127 464.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036138 6579 427.6 UdeM00000036138 XP_033757488.1 66.9 281
 92 1 51 331 44 323 1.50E-116 427.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036139 1735272 238.4 UdeM00000036139 XP_041374913.1 47.2
 252 123 2 324 565 424 675 2.20E-59 238.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000036140 6573 94.4 UdeM00000036140 XP_021351683.1 48.9 92
 47 0 7 98 668 759 8.90E-17 94.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036141 6596 284.3 UdeM00000036141 XP_045208337.1 44.6 334
 176 3 1 325 329 662 2.10E-73 284.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036142 6596 187.2 UdeM00000036142 XP_045189280.1 42.3 220
 124 3 185 403 355 572 6.40E-44 187.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036143 6596 187.2 UdeM00000036143 XP_045189280.1 42.3 220
 124 3 185 403 355 572 6.50E-44 187.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044357 83332 917.1 UdeM00000044357 NP_217913.1 90.4 513 47
 1 7 519 15 525 9.70E-264 917.1 83332 cellular
 organisms;Bacteria;Terrabacteria
 group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Myc
 obacterium;Mycobacterium tuberculosis complex;Mycobacterium
 tuberculosis;Mycobacterium tuberculosis H37Rv
 UdeM00000038701 6596 492.3 UdeM00000038701 XP_045209006.1 59.1 364
 148 1 1 364 479 841 5.40E-136 492.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038702 6596 84.7 UdeM00000038702 XP_045209006.1 37.9 116
 69 2 66 179 908 1022 1.80E-13 84.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038703 6596 73.9 UdeM00000038703 XP_045209006.1 37.5 96
 58 1 1 94 927 1022 2.00E-10 73.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038704 6565 151.8 UdeM00000038704 XP_022310266.1 33.4 353
 192 10 1 337 1 326 1.60E-33 151.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038705 6596 106.7 UdeM00000038705 XP_045208069.1 45 140
 67 4 77 206 362 501 3.70E-20 106.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038706 400727 73.9 UdeM00000038706 XP_025108636.1 32.1
 196 114 6 6 190 47 234 4.40E-10 73.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038707 6596 85.5 UdeM00000038707 XP_045209795.1 30.6 186
 114 4 6 184 1071 1248 8.30E-14 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038708 6596 89.4 UdeM00000038708 XP_045209795.1 33.7 178
114 3 291 464 1071 1248 1.90E-14 89.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038709 400727 84.7 UdeM00000038709 XP_025108636.1 33.5
197 110 5 32 216 47 234 4.40E-13 84.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038711 400727 117.9 UdeM00000038711 XP_025081606.1 46.4
151 74 4 1 150 81 225 2.90E-23 117.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038710 1735272 208.4 UdeM00000038710 XP_041372329.1 34
582 271 14 1 551 1 500 2.50E-50 208.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038712 6573 1036.9 UdeM00000038712 XP_021347534.1 53.4
1754 643 24 562 2258 512 2148 3.70E-299 1036.9 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038713 6573 189.1 UdeM00000038713 XP_021347537.1 31.1 492
290 10 1 479 1 456 1.30E-44 189.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038714 6596 204.9 UdeM00000038714 XP_045207453.1 83.6 122
20 0 1 122 5 126 5.80E-50 204.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038716 143995 91.7 UdeM00000038716 XP_012144133.1 49.6
113 32 1 4 116 39 126 6.90E-16 91.7 143995
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Apoidea;Megachilidae;Megachilinae;Megachilini;Megachile;Megachile rotundata

UdeM00000038717 684658 105.1 UdeM00000038717 XP_044002566.1 77.1
70 16 0 2 71 62 131 4.40E-20 105.1 684658
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
sitoida;Ichneumonoidea;Braconidae;Aphidiinae;Aphidius;Aphidius gifuensis
UdeM00000038718 6596 327.4 UdeM00000038718 XP_045175949.1 61.9 268
96 1 6 273 2 263 1.70E-86 327.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038719 7574 96.3 UdeM00000038719 XP_013393211.1 34.7 176
99 5 22 182 1140 1314 6.90E-17 96.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000038720 2652724 72.4 UdeM00000038720 XP_020912927.2 43.6
78 41 2 24 99 815 891 4.80E-10 72.4 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000038722 225164 96.7 UdeM00000038722 XP_009051710.1 32.5
163 97 3 22 171 3736 3898 7.20E-17 96.7 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000038723 6565 95.1 UdeM00000038723 XP_022286845.1 28.6 248
148 9 1 220 293 539 2.40E-16 95.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038724 7574 235.3 UdeM00000038724 XP_013397768.1 28 522
300 15 19 484 21 522 2.00E-58 235.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000038725 6596 461.1 UdeM00000038725 XP_045156839.1 31.9 941
514 12 4 935 101 923 3.40E-126 461.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038726 6596 102.1 UdeM00000038726 XP_045156839.1 43.3 120
68 0 11 130 803 922 5.80E-19 102.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038727 6596 189.5 UdeM00000038727 XP_045156839.1 33 370
230 6 10 366 48 412 1.30E-44 189.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000038728 6596 475.3 UdeM00000038728 XP_045156839.1 33.9 919
 526 10 35 944 76 922 1.80E-130 475.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038729 6596 472.6 UdeM00000038729 XP_045156839.1 34.1 919
 525 10 35 944 76 922 1.20E-129 472.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038730 29159 81.3 UdeM00000038730 XP_034321834.1 26.5 189
 124 2 223 398 4 190 4.20E-12 81.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038732 63155 85.9 UdeM00000038732 XP_030585845.1 56.3 71
 31 0 114 184 264 334 6.50E-14 85.9 63155 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;New World
 cichlids;Cichlasomatinae;Heroini;Archocentrus;Archocentrus centrarchus
 UdeM00000038733 6596 346.7 UdeM00000038733 XP_045208271.1 60.7 272
 97 3 30 294 32 300 5.10E-92 346.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038734 6596 337.8 UdeM00000038734 XP_045208268.1 52.1 353
 143 7 1621 1953 1624 1970 9.80E-89 337.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038735 6565 78.2 UdeM00000038735 XP_022297447.1 51.9 81
 28 1 69 138 286 366 9.30E-12 78.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038736 6579 315.8 UdeM00000038736 XP_033726634.1 46.2 418
 194 11 6 403 1 407 1.70E-82 315.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038737 225164 215.7 UdeM00000038737 XP_009055149.1 57
 172 74 0 1 172 34 205 4.80E-53 215.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000038738 6596 393.3 UdeM00000038738 XP_045207408.1 73.4 248
 66 0 28 275 15 262 2.60E-106 393.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038739 7888 272.3 UdeM00000038739 XP_043944824.1 31.9 618
 358 12 57 617 611 1222 1.90E-69 272.3 7888 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes
 ;Lepidosirenoidei;Protopteridae;Protopterus;Protopterus annectens

UdeM00000038741 6573 136.7 UdeM00000038741 XP_021343092.1 28.2 376
 230 13 37 396 37 388 6.30E-29 136.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038743 6596 102.1 UdeM00000038743 XP_045207408.1 82.5 57
 10 0 60 116 15 71 5.30E-19 102.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038744 6579 114.8 UdeM00000038744 XP_033740424.1 26.1 322
 208 10 14 325 20 321 2.70E-22 114.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038746 6596 254.2 UdeM00000038746 XP_045209127.1 71.6 183
 51 1 5 186 2 184 1.30E-64 254.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038745 1735272 603.2 UdeM00000038745 XP_041371969.1 65.1
 484 164 3 1 483 1 480 3.00E-169 603.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038748 260615 280 UdeM00000038748 XP_039383630.1 80.6
 180 35 0 1 180 160 339 2.10E-72 280 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
 oemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000038749 6596 895.2 UdeM00000038749 XP_045209130.1 47.6 1120
 483 29 16 1092 159 1217 8.30E-257 895.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038750 6596 901.4 UdeM00000038750 XP_045209130.1 47.8 1116
 483 28 16 1088 159 1217 1.20E-258 901.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038751 400727 586.3 UdeM00000038751 XP_025078594.1 79.6
 357 72 1 1 356 1 357 3.00E-164 586.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038752 6596 299.3 UdeM00000038752 XP_045208279.1 78 182
 40 0 1 182 1 182 3.40E-78 299.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038753 6596 144.8 UdeM00000038753 XP_045208055.1 61.1 95
 37 0 5 99 31 125 7.50E-32 144.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038757 6565 341.3 UdeM00000038757 XP_022328252.1 50.5 364
 161 6 1 346 953 1315 1.50E-90 341.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038758 6565 106.3 UdeM00000038758 XP_022314409.1 39 177
 90 5 1 159 1139 1315 3.70E-20 106.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038759 6573 324.3 UdeM00000038759 XP_021379592.1 76 225
 53 1 25 248 17 241 1.30E-85 324.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038760 6596 308.1 UdeM00000038760 XP_045201815.1 31.5 727
 427 16 55 740 64 760 3.10E-80 308.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038761 6596 71.2 UdeM00000038761 XP_045169064.1 32.3 198
 100 6 150 323 637 824 2.70E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038763 6596 314.3 UdeM00000038763 XP_045201815.1 32.3 741
 421 16 66 769 64 760 4.40E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038764 6573 116.3 UdeM00000038764 XP_021379592.1 77 74
17 0 67 140 168 241 3.10E-23 116.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038765 6596 308.9 UdeM00000038765 XP_045201815.1 32.1 748
416 18 77 787 64 756 1.90E-80 308.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038768 6596 134 UdeM00000038768 XP_045201815.1 31.5 327
180 8 1 314 4 299 3.20E-28 134 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038769 6596 122.9 UdeM00000038769 XP_045192805.1 47 115
61 0 6 120 45 159 2.90E-25 122.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038770 6596 298.5 UdeM00000038770 XP_045201815.1 30.3 796
479 17 1 759 4 760 2.50E-77 298.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038771 6596 224.6 UdeM00000038771 XP_045192805.1 50.7 217
106 1 6 222 45 260 1.30E-55 224.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004306 1735272 366.7 UdeM00000004306 XP_041356356.1 49.1
381 173 8 6 381 52 416 3.80E-98 366.7 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004307 6596 128.3 UdeM00000004307 XP_045214067.1 37.4 163
99 2 1 161 262 423 1.10E-26 128.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004308 6596 181 UdeM00000004308 XP_045214067.1 33.9 304
191 6 82 378 138 438 2.80E-42 181 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004309 6596 178.7 UdeM00000004309 XP_045214067.1 33.6 286
 181 5 85 363 140 423 1.40E-41 178.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004310 1735272 363.6 UdeM00000004310 XP_041356356.1 49.3
 381 172 9 6 381 52 416 3.10E-97 363.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004311 6579 185.3 UdeM00000004311 XP_033743776.1 33.2 286
 185 3 91 371 122 406 1.50E-43 185.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004312 6596 71.2 UdeM00000004312 XP_045179104.1 32.3 127
 78 3 219 337 222 348 2.80E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004313 6596 79.7 UdeM00000004313 XP_045179108.1 35.9 131
 74 4 216 337 17 146 7.80E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004314 6573 220.3 UdeM00000004314 XP_021377091.1 73.6 159
 37 2 4 160 1 156 1.80E-54 220.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004315 6573 220.3 UdeM00000004315 XP_021377091.1 73.6 159
 37 2 1 157 1 156 1.70E-54 220.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004316 6579 198.4 UdeM00000004316 XP_033736448.1 39 272
 155 5 5 267 10 279 2.20E-47 198.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004317 29159 468 UdeM00000004317 XP_034311318.1 40.3 680
 358 18 157 804 1 664 2.60E-128 468 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004318 40690 79.3 UdeM00000004318 XP_034003333.1 27.9 154
 96 4 67 217 90 231 6.60E-12 79.3 40690 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000004319 40690 84 UdeM00000004319 XP_034003328.1 32.7 153
90 4 88 239 96 236 3.00E-13 84 40690 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000004320 40690 86.7 UdeM00000004320 XP_034003328.1 31.4 153
92 4 88 239 96 236 4.60E-14 86.7 40690 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000004321 6596 63.2 UdeM00000004321 XP_045179108.1 30 120
80 2 254 369 21 140 8.40E-07 63.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004322 6596 498.4 UdeM00000004322 XP_045210013.1 72.5 371
63 5 1 334 7 375 6.90E-138 498.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004324 6573 328.9 UdeM00000004324 XP_021345149.1 54.5 308
120 3 9 308 26 321 7.00E-87 328.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004325 6596 583.2 UdeM00000004325 XP_045209996.1 50.5 636
266 10 99 725 349 944 4.60E-163 583.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004326 29159 366.3 UdeM00000004326 XP_034333379.1 76.5 221
47 1 3 223 56 271 2.70E-98 366.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004327 29159 369.8 UdeM00000004327 XP_034333379.1 76.9 221
46 1 3 223 56 271 2.50E-99 369.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004329 29159 350.1 UdeM00000004329 XP_034333379.1 78.3 203
 39 1 1 203 74 271 1.90E-93 350.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004328 29159 379.8 UdeM00000004328 XP_034333379.1 73.4 244
 59 2 47 289 33 271 3.10E-102 379.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004330 29159 358.2 UdeM00000004330 XP_034333379.1 78.4 208
 40 1 7 214 69 271 7.20E-96 358.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004331 29159 350.1 UdeM00000004331 XP_034333379.1 78.3 203
 39 1 1 203 74 271 1.90E-93 350.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004332 29159 379.4 UdeM00000004332 XP_011434068.2 73.4 244
 59 2 29 271 14 252 3.80E-102 379.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004333 400727 120.6 UdeM00000004333 XP_025084529.1 54.3
 105 42 1 9 107 6 110 1.30E-24 120.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000004334 6573 131.3 UdeM00000004334 XP_021368854.1 44.9 147
 74 2 1 140 1 147 1.30E-27 131.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004335 6596 180.6 UdeM00000004335 XP_045214067.1 31.3 329
 215 6 44 364 98 423 3.70E-42 180.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004336 6573 60.1 UdeM00000004336 XP_021372715.1 36.6 71
 42 1 101 168 122 192 3.60E-06 60.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004337 6596 183 UdeM00000004337 XP_045179870.1 33.3 306
 192 7 69 366 176 477 7.50E-43 183 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004338 6596 179.1 UdeM00000004338 XP_045189481.1 32.4 278
 180 4 102 373 164 439 1.10E-41 179.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004339 6596 157.1 UdeM00000004339 XP_045176094.1 41.1 197
 108 4 129 321 76 268 3.70E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004340 6573 90.1 UdeM00000004340 XP_021380332.1 44.9 98
 53 1 1 97 6 103 1.90E-15 90.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004341 6596 256.9 UdeM00000004341 XP_045170176.1 52.7 243
 114 1 1 243 1 242 2.60E-65 256.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004342 6596 511.1 UdeM00000004342 XP_045207430.1 50.4 566
 235 5 6 528 8 570 1.60E-141 511.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004343 29159 391 UdeM00000004343 XP_011421646.2 47.9 459
 205 12 204 639 231 678 3.00E-105 391 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004344 225164 154.8 UdeM00000004344 XP_009052867.1 41.5
 188 109 1 96 282 19 206 1.90E-34 154.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000004345 225164 154.8 UdeM00000004345 XP_009052867.1 41.5
 188 109 1 107 293 19 206 2.00E-34 154.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000004346 6526 734.6 UdeM00000004346 XP_013062505.1 75.1 469
 117 0 21 489 21 489 8.40E-209 734.6 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biophalaria;Biophalaria
 glabrata

UdeM00000004347 6596 626.7 UdeM00000004347 XP_045208509.1 57.3 611
 238 8 54 653 1 599 3.30E-176 626.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004348 6573 60.1 UdeM00000004348 XP_021341725.1 56 50
22 0 78 127 1 50 2.40E-06 60.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004349 6579 391.3 UdeM00000004349 XP_033731739.1 61.4 280
108 0 1 280 99 378 1.00E-105 391.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004350 6596 271.6 UdeM00000004350 XP_045186396.1 42.4 288
165 1 195 482 30 316 2.00E-69 271.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004352 6596 337 UdeM00000004352 XP_045208772.1 50.5 317
151 2 146 461 71 382 3.70E-89 337 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004353 6596 342.4 UdeM00000004353 XP_045208772.1 51.4 317
148 2 47 362 71 382 6.90E-91 342.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004354 6596 199.9 UdeM00000004354 XP_045209667.1 61 164
58 3 1 163 355 513 2.50E-48 199.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004355 6596 346.3 UdeM00000004355 XP_045208772.1 51.1 317
149 2 16 331 71 382 4.50E-92 346.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004356 1735272 422.9 UdeM00000004356 XP_041371898.1 39.7
612 339 12 43 644 79 670 7.20E-115 422.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004357 1735272 399.8 UdeM00000004357 XP_041371898.1 39.1
585 326 12 2 576 106 670 5.80E-108 399.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004358 6596 807.4 UdeM00000004358 XP_045207305.1 70.8 631
 163 6 1 627 1 614 1.30E-230 807.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004359 6565 562.4 UdeM00000004359 XP_022311618.1 75.7 358
 87 0 5 362 37 394 4.20E-157 562.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004360 6565 579.3 UdeM00000004360 XP_022311627.1 74 381
 97 1 15 393 2 382 3.60E-162 579.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004361 6596 361.7 UdeM00000004361 XP_045209920.1 57.8 308
 128 1 1 308 1 306 9.40E-97 361.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004362 6596 489.2 UdeM00000004362 XP_045207273.1 53.4 537
 207 15 38 554 27 540 7.00E-135 489.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004363 6596 964.5 UdeM00000004363 XP_045207277.1 84.1 547
 84 2 24 569 342 886 5.80E-278 964.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004365 6596 243.4 UdeM00000004365 XP_045207274.1 79.9 149
 28 1 14 162 195 341 2.00E-61 243.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004366 1735272 188.3 UdeM00000004366 XP_041371911.1 66.8
 220 64 5 3 217 2 217 1.00E-44 188.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004367 6596 1265.4 UdeM00000004367 XP_045209979.1 73.9
 824 215 0 3 826 2 825 0.00E+00 1265.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004368 6596 318.9 UdeM00000004368 XP_045210107.1 64.5 259
 85 4 1 255 1 256 5.80E-84 318.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004369 6596 200.3 UdeM00000004369 XP_045179676.1 23.5 758
 489 18 190 905 500 1208 1.10E-47 200.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004370 90988 137.1 UdeM00000004370 XP_039529189.1 61.5 109
 40 2 1 107 213 321 1.30E-29 137.1 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 ideii;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
 UdeM00000004371 6596 191.4 UdeM00000004371 XP_045179676.1 24 692
 454 18 117 785 501 1143 4.60E-45 191.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004372 6579 674.9 UdeM00000004372 XP_033761425.1 27.9 2584
 1437 81 1 2413 1 2329 3.90E-190 674.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004373 6596 364.8 UdeM00000004373 XP_045208046.1 67.7 279
 74 3 154 422 21 293 1.70E-97 364.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004374 6573 193.7 UdeM00000004374 XP_021373998.1 46 261
 126 4 31 289 46 293 3.20E-46 193.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004375 7741 74.7 UdeM00000004375 XP_019616361.1 31 142
 81 5 1 136 1 131 1.00E-10 74.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000004376 7741 73.6 UdeM00000004376 XP_019616361.1 30.1 143
 82 5 1 137 1 131 2.30E-10 73.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000004377 6596 1814.7 UdeM00000004377 XP_045209959.1 64.7
 1498 460 21 52 1506 686 2157 0.00E+00 1814.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004378 6596 325.5 UdeM00000004378 XP_045209959.1 44.9 682
 274 14 1 601 1 661 1.50E-85 325.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004381 151771 209.5 UdeM00000004381 XP_028415423.1 34.6
 419 203 9 4 357 7 419 7.80E-51 209.5 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000004383 6596 4563.1 UdeM00000004383 XP_045208906.1 59.2
 3697 1323 15 13 3607 36 3649 0.00E+00 4563.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004384 1735272 193.4 UdeM00000004384 XP_041371390.1 51.4
 142 69 0 3 144 341 482 2.20E-46 193.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004386 6596 204.9 UdeM00000004386 XP_045208880.1 51 206
 82 2 50 237 43 247 1.10E-49 204.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004387 6596 182.2 UdeM00000004387 XP_045208880.1 55.9 161
 53 1 50 192 43 203 6.70E-43 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004388 29159 344.4 UdeM00000004388 XP_011423981.1 33.6 871
 446 25 78 927 39 798 4.60E-91 344.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004389 6596 889.8 UdeM00000004389 XP_045207420.1 72.2 580
 144 6 20 596 12 577 1.90E-25 889.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000004390 6579 222.6 UdeM00000004390 XP_033724821.1 35.6 410
 220 7 18 414 959 1337 9.30E-55 222.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004391 6579 368.6 UdeM00000004391 XP_033724844.1 35.7 638
 359 9 76 677 642 1264 1.70E-98 368.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004392 6596 220.3 UdeM00000004392 XP_045208968.1 43.1 318
 145 10 2 292 258 566 3.20E-54 220.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000004393 6565 61.2 UdeM00000004393 XP_022299727.1 50.8 61
 30 0 1 61 261 321 6.30E-07 61.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004394 6596 451.4 UdeM00000004394 XP_045207418.1 64.5 335
 106 4 31 364 296 618 1.10E-123 451.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000004395 6596 449.1 UdeM00000004395 XP_045207418.1 64.4 334
 106 4 1 333 297 618 4.80E-123 449.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000004396 400727 356.7 UdeM00000004396 XP_025081227.1 36.8
 579 300 8 85 603 640 1212 6.50E-95 356.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000004397 6596 238.4 UdeM00000004397 XP_045208968.1 42.7 335
 170 11 65 386 247 572 1.50E-59 238.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000004398 6596 664.1 UdeM00000004398 XP_045207418.1 69.2 455
 127 6 1 454 176 618 1.30E-187 664.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004399 6579 619.4 UdeM00000004399 XP_033724844.1 35.7 1203
 665 30 15 1153 109 1266 9.40E-174 619.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004400 6596 174.1 UdeM00000004400 XP_045207418.1 39.9 253
 61 4 21 183 367 618 1.60E-40 174.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004401 6565 922.5 UdeM00000004401 XP_022344660.1 86.5 535
 72 0 5 539 3 537 2.40E-265 922.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004402 6565 235.7 UdeM00000004402 XP_022344698.1 73.6 144
 38 0 1 144 1 144 3.60E-59 235.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004403 6596 138.7 UdeM00000004403 XP_045208469.1 32.5 379
 221 10 5 373 2 355 1.60E-29 138.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004404 6596 958.4 UdeM00000004404 XP_045209471.1 58.5 850
 302 11 1 821 1 828 6.00E-276 958.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004405 6579 263.1 UdeM00000004405 XP_033732076.1 35.7 557
 271 20 3 515 4 517 7.50E-67 263.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004406 210409 142.1 UdeM00000004406 XP_045108702.1 44.3
 158 73 3 6 159 7 153 6.50E-31 142.1 210409
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Bra
 chyura;Eubranchyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus
 trituberculatus
 UdeM00000004407 6596 141.4 UdeM00000004407 XP_045157176.1 42 212
 108 6 4 209 6 208 1.40E-30 141.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004408 6596 135.2 UdeM00000004408 XP_045157176.1 42.1 216
 110 6 8 221 6 208 1.00E-28 135.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004409	210409	139.8	UdeM00000004409	XP_045108702.1	44.3				
158	73	3	6	159	7	153	3.20E-30	139.8	210409
cellular									

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Brachyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus trituberculatus

UdeM00000004410	6579	735.3	UdeM00000004410	XP_033764393.1	45.7	1038			
425	26	149	1103	146	1127	1.10E-208	735.3	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004411	6579	739.6	UdeM00000004411	XP_033764382.1	45.7	1042			
427	26	149	1107	146	1131	5.90E-210	739.6	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004412	6596	293.9	UdeM00000004412	XP_045207192.1	30.1	1064			
545	38	578	1602	443	1346	1.20E-75	293.9	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004414	7604	90.9	UdeM00000004414	XP_033641066.1	65	60			
21	0	1	60	155	214	8.90E-16	90.9	7604	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatacida;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000004415	6579	171.4	UdeM00000004415	XP_033752673.1	57.5	134			
57	0	28	161	328	461	1.10E-39	171.4	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004418	6573	822.4	UdeM00000004418	XP_021351177.1	57.9	670			
263	7	69	734	73	727	4.60E-235	822.4	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004419	6596	625.9	UdeM00000004419	XP_045210083.1	68.5	463			
135	7	2	462	22	475	4.00E-176	625.9	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004420	6596	625.5	UdeM00000004420	XP_045210083.1	68.3	464			
135	7	2	463	22	475	5.20E-176	625.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004421 6596 624 UdeM00000004421 XP_045210083.1 68 463
 137 7 2 462 22 475 1.50E-175 624 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004422 6565 846.3 UdeM00000004422 XP_022330663.1 68.3 621
 194 2 20 639 168 786 2.60E-242 846.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004423 6596 108.2 UdeM00000004423 XP_045210079.1 55 100
 42 1 72 168 119 218 1.20E-20 108.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004424 6565 206.1 UdeM00000004424 XP_022313441.1 59.6 151
 61 0 3 153 6 156 3.40E-50 206.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004426 6596 78.6 UdeM00000004426 XP_045209778.1 39.8 98
 58 1 38 135 25 121 8.30E-12 78.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004427 6596 81.3 UdeM00000004427 XP_045209778.1 37.5 112
 69 1 15 126 11 121 1.20E-12 81.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004428 6596 81.3 UdeM00000004428 XP_045209778.1 37.5 112
 69 1 15 126 11 121 2.40E-12 81.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004429 6596 80.5 UdeM00000004429 XP_045209778.1 36.6 112
 70 1 15 126 11 121 2.40E-12 80.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004430 6596 81.6 UdeM00000004430 XP_045209778.1 40.5 111
 62 2 29 138 25 132 1.00E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004432 6500 301.2 UdeM00000004432 XP_005112773.1 69.2 221
 68 0 1 221 1 221 1.10E-78 301.2 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000004439 6579 62.4 UdeM00000004439 XP_033758755.1 48.3 58
 30 0 37 94 5 62 5.60E-07 62.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004440 6596 240 UdeM00000004440 XP_045210053.1 70.5 156
 46 0 6 161 8 163 2.20E-60 240 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004441 6579 175.6 UdeM00000004441 XP_033741736.1 52.6 171
 79 1 1 169 671 841 5.60E-41 175.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004442 6596 191 UdeM00000004442 XP_045208124.1 57.7 189
 72 4 1091 1273 978 1164 9.00E-45 191 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004444 29159 1251.5 UdeM00000004444 XP_011414451.2 82.3
 774 133 2 1 774 1 770 0.00E+00 1251.5
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004445 6565 426 UdeM00000004445 XP_022311340.1 38.5 1011
 516 17 18 1005 8 935 1.30E-115 426 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004446 6579 266.5 UdeM00000004446 XP_033733000.1 47.9 265
 136 2 150 414 130 392 5.50E-68 266.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004447 6579 266.5 UdeM00000004447 XP_033733000.1 47.9 265
 136 2 113 377 130 392 5.10E-68 266.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004449 6596 334.3 UdeM00000004449 XP_045207828.1 63.7 273
 85 6 1 264 1 268 1.40E-88 334.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004450 6596 455.7 UdeM00000004450 XP_045207824.1 63.5 348
 122 2 5 348 1 347 5.80E-125 455.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004452 6579 290 UdeM00000004452 XP_033732072.1 53.6 332
 133 10 27 341 8 335 3.80E-75 290 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004453 29159 201.4 UdeM00000004453 XP_011426639.2 57.3 211
 84 5 93 300 64 271 1.70E-48 201.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004454 6596 143.3 UdeM00000004454 XP_045170511.1 34 188
 122 2 31 218 744 929 6.50E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004455 29159 79.7 UdeM00000004455 XP_034330592.1 27.3 209
 133 6 20 211 481 687 4.90E-12 79.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004457 6596 371.3 UdeM00000004457 XP_045170511.1 29 870
 515 26 650 1447 91 929 6.20E-99 371.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004458 6596 265.4 UdeM00000004458 XP_045170511.1 30.7 548
 325 15 14 522 398 929 2.00E-67 265.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004459 6596 176 UdeM00000004459 XP_045182925.1 31 393
 249 12 6 388 72 452 1.70E-40 176 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004460 6596 607.4 UdeM00000004460 XP_045214460.1 72.5 418
 109 2 1 412 145 562 1.30E-170 607.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004461 6596 652.5 UdeM00000004461 XP_045214460.1 72.8 449
 116 2 1 443 145 593 6.10E-184 652.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004464 6596 499.2 UdeM00000004464 XP_045209701.1 60 427
164 5 1 423 1 424 5.10E-138 499.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004465 6596 700.3 UdeM00000004465 XP_045210159.1 45.3 1063
455 13 15 964 18 1067 3.50E-198 700.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004466 37653 214.2 UdeM00000004466 XP_014788842.1 78.7 127
27 0 5 131 468 594 1.10E-52 214.2 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000004467 6565 161.8 UdeM00000004467 XP_022299727.1 39.9 233
95 3 1 189 46 277 9.90E-37 161.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostracida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004468 6596 731.9 UdeM00000004468 XP_045210160.1 79.3 440
91 0 1 440 1 440 4.90E-208 731.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004469 6596 195.3 UdeM00000004469 XP_045210161.1 55.9 161
67 2 28 186 28 186 7.00E-47 195.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004472 6579 219.5 UdeM00000004472 XP_033733348.1 79.6 137
27 1 1 136 1 137 2.80E-54 219.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004473 6573 404.8 UdeM00000004473 XP_021361943.1 60.4 338
126 3 7 336 135 472 1.10E-109 404.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004474 6596 457.6 UdeM00000004474 XP_045209893.1 42.3 652
334 10 1 621 10 650 2.50E-125 457.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004475 6596 144.1 UdeM00000004475 XP_045209892.1 50 146
 62 3 2 139 537 679 1.40E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004476 46514 184.5 UdeM00000004476 XP_038073561.1 53.7 147
 68 0 5 151 4 150 1.00E-43 184.5 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000004477 29159 2340.1 UdeM00000004477 XP_011437301.2 44
 2661 1391 44 81 2711 27 2619 0.00E+00 2340.1
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004478 6596 125.9 UdeM00000004478 XP_045184412.1 26.6 421
 280 14 350 756 1582 1987 2.30E-25 125.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004479 48498 104 UdeM00000004479 XP_020610409.1 36.7 147
 90 1 1 147 474 617 2.30E-19 104 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000004480 6579 425.6 UdeM00000004480 XP_033732834.1 51.1 1112
 409 23 1 1004 1 1085 2.30E-115 425.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004481 6596 652.5 UdeM00000004481 XP_045209565.1 57.6 582
 187 9 7 579 19 549 5.00E-184 652.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004482 6596 131.7 UdeM00000004482 XP_045210120.1 40.5 299
 135 10 24 288 27 316 1.50E-27 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004483 1735272 100.9 UdeM00000004483 XP_041372346.1 43.1
 195 76 5 110 304 48 207 3.70E-18 100.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004484 1735272 100.1 UdeM00000004484 XP_041372346.1 42.9
 196 76 5 110 305 48 207 6.30E-18 100.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004485 6596 1099 UdeM00000004485 XP_045209078.1 24.4 3597
 1376 81 8 2338 7 3525 0.00E+00 1099 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004487 46731 72 UdeM00000004487 XP_027044268.1 58.8 51
 21 0 41 91 27 77 2.10E-09 72 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis

UdeM00000004488 6596 430.6 UdeM00000004488 XP_045207314.1 56.7 393
 159 3 21 411 25 408 2.20E-117 430.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004489 6596 106.7 UdeM00000004489 XP_045187536.1 67.1 79
 25 1 1 79 327 404 2.00E-20 106.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004491 6596 161.8 UdeM00000004491 XP_045210336.1 73.6 110
 20 2 15 115 208 317 5.30E-37 161.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004492 6596 171 UdeM00000004492 XP_045210334.1 48.8 201
 99 3 1 198 2 201 1.60E-39 171 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004493 6565 211.1 UdeM00000004493 XP_022289925.1 52.6 251
 92 6 1 230 3 247 4.70E-51 211.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004495 6596 259.6 UdeM00000004495 XP_045210339.1 45.1 461
 221 14 1 439 1 451 7.10E-66 259.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004496 6579 250 UdeM00000004496 XP_033732161.1 55.6 286
 98 9 1 281 1 262 3.60E-63 250 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004497 6596 364 UdeM00000004497 XP_045210341.1 74.3 288
 57 5 1 274 1 285 1.80E-97 364 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004498 6596 223.4 UdeM00000004498 XP_045210344.1 45.5 356
 133 13 1 336 1 315 4.30E-55 223.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004499 6573 149.1 UdeM00000004499 XP_021345173.1 64.3 115
 35 1 131 245 135 243 8.00E-33 149.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004500 6596 319.7 UdeM00000004500 XP_045210346.1 63.6 286
 78 11 1 271 1 275 3.60E-84 319.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004501 6596 325.1 UdeM00000004501 XP_045210348.1 78.4 218
 39 5 1 215 21 233 7.60E-86 325.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004502 6596 235.3 UdeM00000004502 XP_045210349.1 72 168
 42 4 1 167 1 164 5.60E-59 235.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000040731 6596 266.9 UdeM000000040731 XP_045179599.1 57 230
 93 2 40 263 49 278 2.70E-68 266.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000040732 1735272 177.2 UdeM000000040732 XP_041361735.1 35.6
 264 163 5 1 262 68 326 2.80E-41 177.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM000000040734 6596 191.4 UdeM000000040734 XP_045202146.1 50.9 167
 80 1 46 212 77 241 1.20E-45 191.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040733 6573 258.8 UdeM00000040733 XP_021352111.1 44.1 286
 156 3 320 601 135 420 1.70E-65 258.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040735 7719 141.4 UdeM00000040735 XP_004227365.1 55.3 103
 46 0 1 103 60 162 6.70E-31 141.4 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
 intestinalis
 UdeM00000040736 7054 101.3 UdeM00000040736 XP_031328250.1 64.4 73
 26 0 8 80 152 224 6.80E-19 101.3 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000040737 6412 122.5 UdeM00000040737 XP_009015452.1 46.4 125
 67 0 1 125 1 125 4.00E-25 122.5 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000040738 2607531 72 UdeM00000040738 XP_029648199.1 30.3
 119 61 3 6 106 208 322 5.20E-10 72 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000040740 6596 65.1 UdeM00000040740 XP_045204261.1 46.7 60
 32 0 6 65 39 98 5.70E-08 65.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040741 6596 104.8 UdeM00000040741 XP_045204261.1 40.5 126
 74 1 6 131 39 163 1.10E-19 104.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040742 7719 191 UdeM00000040742 XP_026690485.1 36.8 340
 148 9 6 287 6 336 2.10E-45 191 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
 intestinalis
 UdeM00000040743 400727 62.8 UdeM00000040743 XP_025084054.1 41.1
 73 43 0 1 73 42 114 2.40E-07 62.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000040744 6573 326.2 UdeM00000040744 XP_021375058.1 56.9 274
 116 1 39 310 117 390 4.40E-86 326.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000040745 1735272 187.2 UdeM00000040745 XP_041361735.1 36.1
274 148 6 1 262 68 326 2.70E-44 187.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000040746 1735272 253.4 UdeM00000040746 XP_041362195.1 39
310 182 5 94 397 62 370 4.70E-64 253.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000040749 6596 327.8 UdeM00000040749 XP_045161465.1 54.8 272
122 1 67 337 46 317 1.60E-86 327.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040751 6596 263.8 UdeM00000040751 XP_045179599.1 55.7 230
96 2 40 263 49 278 2.30E-67 263.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040752 1735272 172.6 UdeM00000040752 XP_041361735.1 34.8
264 165 5 1 262 68 326 6.90E-40 172.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000040753 6596 230.3 UdeM00000040753 XP_045202146.1 46.4 239
113 3 66 291 77 313 3.20E-57 230.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040754 6573 261.5 UdeM00000040754 XP_021352111.1 44.1 286
156 3 110 391 135 420 1.70E-66 261.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000044321 1735272 160.6 UdeM00000044321 XP_041379275.1 32.6
279 167 4 1 260 1 277 2.90E-36 160.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000044322 1735272 431.4 UdeM00000044322 XP_041347204.1 48.7
435 216 4 2 429 80 514 1.30E-117 431.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000044323 310915 81.3 UdeM00000044323 XP_026776737.1 37.1
132 71 3 15 145 65 185 1.90E-12 81.3 310915
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
ei;Pangasiidae;Pangasianodon;Pangasianodon hypophthalmus

UdeM00000001025 29159 309.7 UdeM00000001025 XP_034327140.1 53.8 301
129 3 3 295 460 758 4.00E-81 309.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001026 6596 458.4 UdeM00000001026 XP_045190611.1 58.2 390
159 4 1 389 14 400 9.60E-126 458.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001027 29159 419.5 UdeM00000001027 XP_034327427.1 52.2 423
172 5 35 454 69 464 5.60E-114 419.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000001028 6596 202.6 UdeM00000001028 XP_045188555.1 43.3 275
145 4 1 266 1 273 6.50E-49 202.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001029 6565 874 UdeM00000001029 XP_022339440.1 80.4 514
101 0 8 521 3 516 9.50E-251 874 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001030 6596 78.2 UdeM00000001030 XP_045189389.1 48.6 109
44 4 8 112 9 109 9.20E-12 78.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001031 6565 255.4 UdeM00000001031 XP_022339444.1 59.2 245
86 5 32 267 99 338 9.50E-65 255.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000001032 6596 342 UdeM00000001032 XP_045188661.1 52.4 288
127 5 21 303 37 319 7.80E-91 342 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000001033 6573 248.8 UdeM00000001033 XP_021346189.1 58.1 210
 82 2 51 258 1 206 7.50E-63 248.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001035 46514 152.5 UdeM00000001035 XP_038058673.1 32.6 261
 158 4 2 258 528 774 7.30E-34 152.5 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000001034 7668 120.6 UdeM00000001034 XP_030845845.1 46.8 111
 59 0 71 181 29 139 2.20E-24 120.6 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000001036 6596 309.7 UdeM00000001036 XP_045188661.1 50.9 287
 135 3 14 296 320 604 4.40E-81 309.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001037 6596 261.9 UdeM00000001037 XP_045188660.1 40.7 349
 178 7 23 351 184 523 1.20E-66 261.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001039 6579 262.3 UdeM00000001039 XP_033756415.1 42.5 308
 170 5 3 309 306 607 7.90E-67 262.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001040 6596 285.4 UdeM00000001040 XP_045188656.1 44.1 286
 154 3 30 312 23 305 8.70E-74 285.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001041 6596 278.9 UdeM00000001041 XP_045188656.1 43.9 287
 152 5 30 311 23 305 8.10E-72 278.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001042 9823 73.6 UdeM00000001042 XP_020923035.1 45.9 85
 36 4 35 112 340 421 2.00E-10 73.6 9823 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Artiodactyla;Suina;Suidae;Sus;Sus scrofa
 UdeM00000001043 6596 84.7 UdeM00000001043 XP_045190241.1 75 56
 14 0 655 710 1145 1200 6.90E-13 84.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001044	6596	1272.3	UdeM00000001044	XP_045190241.1	55.4				
1250	477	18	14	1245	14	1200	0.00E+00	1272.3	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001045	6596	212.2	UdeM00000001045	XP_045188784.1	42.4	394			
156	18	1	339	1	378	1.00E-51	212.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001046	1735272	257.3	UdeM00000001046	XP_041369330.1	44.6				
296	162	2	74	369	1	294	3.00E-65	257.3	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000001047	6596	635.2	UdeM00000001047	XP_045188530.1	71.1	402			
116	0	3	404	95	496	5.70E-179	635.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001048	1735272	306.6	UdeM00000001048	XP_041371139.1	41.6				
404	214	8	27	420	29	420	4.90E-80	306.6	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000001052	6850	356.7	UdeM00000001052	XP_013785216.1	64.8	264			
93	0	5	268	20	283	2.70E-95	356.7	6850	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limulidae;Limulus;Limulus polyphemus

UdeM00000001053	6596	481.1	UdeM00000001053	XP_045190552.1	59.2	404			
118	5	8	401	22	388	1.40E-132	481.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001054	6596	67.4	UdeM00000001054	XP_045180324.1	38.5	104			
42	2	2	83	16	119	1.80E-08	67.4	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001055	6596	807	UdeM00000001055	XP_045190601.1	51.6	822			
371	8	1	801	1	816	2.20E-230	807	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001057 6596 171 UdeM00000001057 XP_045189876.1 63.8 138
48 2 1 137 381 517 1.10E-39 171 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001058 260615 159.5 UdeM00000001058 XP_039383630.1 90.4
94 9 0 1 94 246 339 2.20E-36 159.5 260615
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000001059 6596 489.6 UdeM00000001059 XP_045189875.1 64.1 365
127 1 72 436 20 380 4.50E-135 489.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001060 6596 126.7 UdeM00000001060 XP_045158901.1 48.4 124
63 1 1 123 10 133 2.10E-26 126.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001061 6596 249.2 UdeM00000001061 XP_045179569.1 40.4 376
122 3 1 275 1 375 6.10E-63 249.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001062 6596 175.3 UdeM00000001062 XP_045189876.1 65.9 138
45 2 1 137 381 517 6.20E-41 175.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001063 260615 275.4 UdeM00000001063 XP_039385216.1 82.8
180 14 1 1 163 347 526 4.70E-71 275.4 260615
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000001064 6596 323.2 UdeM00000001064 XP_045189875.1 62.3 244
89 1 1 244 49 289 3.30E-85 323.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001065 6596 175.6 UdeM00000001065 XP_045189876.1 64.1 142
 49 2 1 141 381 521 4.80E-41 175.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001066 260615 234.2 UdeM00000001066 XP_039385216.1 81.9
 160 12 1 1 143 367 526 1.00E-58 234.2 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii
 UdeM00000001067 260615 188.3 UdeM00000001067 XP_039385216.1 82.3
 130 6 1 4 116 397 526 5.40E-45 188.3 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii
 UdeM00000001068 6579 321.2 UdeM00000001068 XP_033757483.1 66.7 228
 75 1 1 228 51 277 1.10E-84 321.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001069 10224 87 UdeM00000001069 XP_002734884.1 54 87
 39 1 3 89 310 395 1.30E-14 87 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii
 UdeM00000001070 6596 429.5 UdeM00000001070 XP_045188704.1 45.5 466
 241 5 44 506 51 506 6.10E-117 429.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001071 6596 80.1 UdeM00000001071 XP_045188704.1 40.4 104
 61 1 7 109 296 399 2.30E-12 80.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001072 6500 165.6 UdeM00000001072 XP_012937416.2 39.9 291
 141 7 1502 1764 1084 1368 8.00E-37 165.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000001072 6500 83.6 UdeM00000001072 XP_012937416.2 59.6 57
 23 0 2 58 12 68 4.00E-12 83.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000001073 6596 67.4 UdeM00000001073 XP_045188710.1 39.7 136
58 6 7 140 2 115 8.90E-08 67.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001074 6596 68.6 UdeM00000001074 XP_045188710.1 43.5 115
42 5 6 119 23 115 3.90E-08 68.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001075 6596 542.7 UdeM00000001075 XP_045188713.1 39.8 890
355 26 255 996 45 901 9.60E-151 542.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001076 6596 589 UdeM00000001076 XP_045188715.1 64.6 443
152 2 3 440 185 627 5.20E-165 589 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001078 2607531 310.5 UdeM00000001078 XP_029657462.1 56.9
276 119 0 92 367 7 282 2.90E-81 310.5 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000001079 7725 142.9 UdeM00000001079 XP_039263221.1 60.7 112
44 0 48 159 9 120 4.30E-31 142.9 7725 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela clava

UdeM00000001080 6596 490.3 UdeM00000001080 XP_045190667.1 49.4 635
278 18 1 605 1 622 3.40E-135 490.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001082 6596 362.8 UdeM00000001082 XP_045190665.1 57.5 299
115 2 331 619 358 654 8.40E-97 362.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001083 6596 138.7 UdeM00000001083 XP_045190657.1 48.6 142
63 3 70 211 60 191 8.90E-30 138.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001084 6579 247.7 UdeM00000001084 XP_033739239.1 48.9 268
 118 5 125 373 79 346 2.60E-62 247.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001086 6579 705.3 UdeM00000001086 XP_033728194.1 51.2 693
 325 5 1 684 282 970 7.70E-200 705.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001089 6573 176.4 UdeM00000001089 XP_021355605.1 48.6 183
 91 1 15 194 14 196 4.10E-41 176.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001090 6565 556.2 UdeM00000001090 XP_022337008.1 74.1 352
 86 3 28 379 218 564 3.20E-155 556.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001091 6579 72.8 UdeM00000001091 XP_033749319.1 45.5 77
 35 2 1 71 159 234 3.30E-10 72.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001092 6573 249.6 UdeM00000001092 XP_021361242.1 34 409
 261 4 60 460 108 515 7.80E-63 249.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000001093 6596 921 UdeM00000001093 XP_045188884.1 55.7 836
 329 13 1 817 2 815 1.10E-264 921 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001094 6596 672.2 UdeM00000001094 XP_045188890.1 67.1 501
 115 6 1 467 88 572 5.20E-190 672.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001096 6596 342.8 UdeM00000001096 XP_045190539.1 46.8 442
 206 8 11 430 16 450 6.30E-91 342.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001097 6579 62.4 UdeM00000001097 XP_033757468.1 53.6 56
 21 3 73 127 79 130 1.70E-06 62.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000001099 6596 95.5 UdeM00000001099 XP_045189425.1 42.7 171
81 6 30 190 29 192 8.10E-17 95.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001102 6596 268.9 UdeM00000001102 XP_045189431.1 51.1 278
134 2 66 343 36 311 9.20E-69 268.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001103 8384 313.2 UdeM00000001103 XP_040270317.1 60.5 243
96 0 6 248 9 251 3.30E-82 313.2 8384 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Bufonidae; Bufo; Bufo bufo

UdeM00000001104 6573 291.2 UdeM00000001104 XP_021362094.1 71.9 228
58 2 1 225 4 228 1.50E-75 291.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000001105 6565 145.6 UdeM00000001105 XP_022335397.1 43 223
98 5 89 297 37 244 1.00E-31 145.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000001106 37653 225.3 UdeM00000001106 XP_014778988.1 61.2 170
65 1 1 169 1 170 6.10E-56 225.3 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000001107 6596 478.4 UdeM00000001107 XP_045189937.1 67.6 361
112 3 31 388 41 399 9.00E-132 478.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001108 1735272 829.3 UdeM00000001108 XP_041370384.1 91.4
442 38 0 1 442 1 442 2.30E-237 829.3 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000001109 6596 336.7 UdeM00000001109 XP_045189285.1 24.8 1373
836 43 1708 2919 227 1564 3.10E-88 336.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000001110 6596 142.5 UdeM00000001110 XP_045189460.1 36 367
 204 7 1 346 1 357 1.00E-30 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001111 6596 142.5 UdeM00000001111 XP_045189460.1 36.2 367
 204 7 1 347 1 357 1.00E-30 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001112 6565 278.9 UdeM00000001112 XP_022335825.1 38.9 386
 226 5 341 722 458 837 1.90E-71 278.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001113 6565 988.8 UdeM00000001113 XP_022339594.1 34.4 1740
 1071 27 26 1724 470 2180 8.70E-285 988.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001114 6596 474.9 UdeM00000001114 XP_045189742.1 67.5 329
 107 0 1 329 1 329 8.10E-131 474.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001115 6596 90.1 UdeM00000001115 XP_045189403.1 29.3 191
 119 5 26 203 1133 1320 3.50E-15 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001116 6596 219.5 UdeM00000001116 XP_045189403.1 27 1076
 678 20 3 1011 93 1128 2.30E-53 219.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001118 6565 92.4 UdeM00000001118 XP_022343386.1 45.8 83
 45 0 14 96 104 186 3.40E-16 92.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000001131 10224 98.6 UdeM00000001131 XP_002737779.1 60.3 73
 29 0 1 73 448 520 4.20E-18 98.6 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000001133 6579 622.9 UdeM00000001133 XP_033757276.1 47.2 862
 438 4 1 859 107 954 7.20E-175 622.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001134 1735272 349 UdeM00000001134 XP_041368743.1 48.6
360 168 6 1 348 1 355 7.80E-93 349 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000001135 6596 364 UdeM00000001135 XP_045190385.1 61.5 278
104 3 1 276 1 277 1.70E-97 364 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001136 6596 1822.4 UdeM00000001136 XP_045190393.1 57.1
1750 701 15 1 1715 1 1735 0.00E+00 1822.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001139 6596 356.7 UdeM00000001139 XP_045199418.1 29.7 900
511 21 1 804 1 874 8.70E-95 356.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001140 6596 366.3 UdeM00000001140 XP_045189090.1 41.7 530
296 6 20 544 494 1015 6.70E-98 366.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001142 6596 347.1 UdeM00000001142 XP_045189090.1 37.8 609
318 13 24 620 23 582 4.80E-92 347.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001143 6596 259.2 UdeM00000001143 XP_045189090.1 44.8 308
167 2 9 316 711 1015 6.70E-66 259.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001144 1735272 86.3 UdeM00000001144 XP_041370901.1 46.2
91 48 1 7 96 401 491 2.70E-14 86.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000001145 6596 699.9 UdeM00000001145 XP_045189090.1 40 1045
566 16 24 1059 23 1015 5.00E-198 699.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001146 6596 583.9 UdeM00000001146 XP_045189090.1 36.3 1075
598 18 3 1065 4 1003 4.00E-163 583.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001147 6596 580.5 UdeM00000001147 XP_045189190.1 70.2 413
115 3 1 406 1 412 1.70E-162 580.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001148 6596 567 UdeM00000001148 XP_045189190.1 66.2 438
115 4 1 431 1 412 2.10E-158 567 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001149 6596 286.6 UdeM00000001149 XP_045189200.1 56.9 283
99 6 1 262 1 281 8.10E-74 286.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001150 6596 358.6 UdeM00000001150 XP_045189197.1 56.6 369
136 6 52 411 241 594 1.10E-95 358.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001151 6596 947.6 UdeM00000001151 XP_045190315.1 70 674
189 3 1 663 1 672 8.70E-273 947.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001153 6596 948.3 UdeM00000001153 XP_045190315.1 70.7 665
185 2 1 655 1 665 5.10E-273 948.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000001154 6579 91.7 UdeM00000001154 XP_033752673.1 62.9 62
23 0 17 78 347 408 4.60E-16 91.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000001156 6596 106.7 UdeM00000001156 XP_045190315.1 59.5 84
34 0 1 84 1 84 1.50E-20 106.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001157 6596 93.6 UdeM00000001157 XP_045190315.1 51.8 83
 39 1 1 83 104 185 1.30E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001158 37653 152.1 UdeM00000001158 XP_014787870.1 77.8 90
 20 0 1 90 106 195 4.70E-34 152.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000001159 2489341 74.7 UdeM00000001159 XP_030331411.1 40
 100 54 3 424 521 148 243 3.90E-10 74.7 2489341
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Psittaciformes;Psittacidae;Strigops;Strigops habroptila
 UdeM00000001160 299321 76.6 UdeM00000001160 XP_028830852.1 38.7
 106 61 2 337 442 147 248 8.70E-11 76.6 299321
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Clupei;Clupeiformes;Denticipitoidei;Denticipitidae;Denticeps;Denticeps clupeoides
 UdeM00000001161 2489341 74.7 UdeM00000001161 XP_030331411.1 40
 100 54 3 416 513 148 243 3.90E-10 74.7 2489341
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Psittaciformes;Psittacidae;Strigops;Strigops habroptila
 UdeM00000001164 6596 845.9 UdeM00000001164 XP_045190315.1 65.2 638
 221 1 1 637 1 638 3.50E-242 845.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000001165 6579 238.8 UdeM00000001165 XP_033755502.1 33.4 467
 236 8 26 487 2546 2942 1.50E-59 238.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000001166 6573 609.8 UdeM00000001166 XP_021379779.1 35.9 1083
 627 23 697 1725 1226 2295 1.20E-170 609.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000001167 6596 137.5 UdeM00000001167 XP_045191751.1 35.5 414
 179 17 13 349 19 421 3.40E-29 137.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001169 6596 269.6 UdeM00000001169 XP_045190602.1 37.9 391
 214 7 166 551 236 602 1.20E-68 269.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001173 6596 414.5 UdeM00000001173 XP_045190538.1 44.8 507
 255 9 37 537 13 500 2.10E-112 414.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001174 6596 355.5 UdeM00000001174 XP_045216113.1 37.2 508
 303 6 60 552 62 568 1.20E-94 355.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001175 6596 155.6 UdeM00000001175 XP_045165760.1 37.1 224
 134 3 60 276 62 285 9.80E-35 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001176 6596 751.1 UdeM00000001176 XP_045188668.1 64.4 568
 197 3 4 570 89 652 1.10E-213 751.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001177 6596 638.3 UdeM00000001177 XP_045190076.1 57.2 584
 237 3 26 608 40 611 1.00E-179 638.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000001178 6596 158.7 UdeM00000001178 XP_045202433.1 20.6 1067
 602 29 10 1034 27 890 9.60E-35 158.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044234 37621 140.6 UdeM00000044234 XP_014679100.1 37.2 234
 133 7 329 557 78 302 6.10E-30 140.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus

UdeM00000038620 6596 350.9 UdeM00000038620 XP_045163069.1 56.5 315
 125 2 1 314 1 304 1.70E-93 350.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038621 35525 154.8 UdeM00000038621 XP_032792630.2 40.8 211
 89 6 4 195 25 218 1.90E-34 154.8 35525 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Bra
 nchiopoda;Phyllozoa;Diplostraca;Cladocera;Anomopoda;Daphniidae;Daphnia;D
 aphnia magna

UdeM00000038622 6596 367.9 UdeM00000038622 XP_045182313.1 47.5 413
 198 4 3 414 479 873 2.40E-98 367.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038623 6596 95.9 UdeM00000038623 XP_045182313.1 45 111
 61 0 29 139 564 674 5.50E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038624 6596 86.3 UdeM00000038624 XP_045182313.1 49.4 79
 40 0 20 98 492 570 2.40E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038625 35525 155.6 UdeM00000038625 XP_032792630.2 41.2 211
 88 6 4 195 25 218 1.10E-34 155.6 35525 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Bra
 nchiopoda;Phyllozoa;Diplostraca;Cladocera;Anomopoda;Daphniidae;Daphnia;D
 aphnia magna

UdeM00000038629 6596 1071.2 UdeM00000038629 XP_045163115.1 49
 1269 588 21 17 1261 33 1266 0.00E+00 1071.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038630 29159 1567.7 UdeM00000038630 XP_034336081.1 51.8
 1798 675 28 1 1756 1 1649 0.00E+00 1567.7
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038632 6596 68.2 UdeM00000038632 XP_045188256.1 35 160
 83 5 3 160 122 262 1.20E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038633 29159 453.8 UdeM00000038633 XP_011443560.2 54.3 396
179 2 1 394 323 718 2.40E-124 453.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038635 29159 177.6 UdeM00000038635 XP_011443561.2 58.2 134
55 1 32 164 48 181 1.30E-41 177.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038634 6596 184.5 UdeM00000038634 XP_045202545.1 49 202
77 5 10 186 10 210 1.20E-43 184.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038636 6596 3724.9 UdeM00000038636 XP_045162193.1 60.7
2970 974 17 3709 6663 1628 4418 0.00E+00 3724.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038636 6596 590.1 UdeM00000038636 XP_045162193.1 43.3 1639
691 28 13 1435 9 1624 3.50E-164 590.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038637 6596 297.7 UdeM00000038637 XP_045163028.1 48.4 349
172 4 35 381 46 388 2.20E-77 297.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038638 215358 79.7 UdeM00000038638 XP_027138606.1 34.3
137 87 2 1 137 596 729 3.20E-12 79.7 215358
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Eupercaria;Eupercaria incertae sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000038641 6565 124.8 UdeM00000038641 XP_022299405.1 40.2 164
97 1 16 178 193 356 2.20E-25 124.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038642 6565 152.1 UdeM00000038642 XP_022299405.1 38.8 219
131 2 20 237 140 356 1.50E-33 152.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000038643 6579 63.2 UdeM00000038643 XP_033746637.1 27.6 203
97 4 3 156 136 337 3.50E-07 63.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000038644 9337 71.6 UdeM00000038644 XP_036615298.1 45.5 88
47 1 5 92 2 88 5.80E-10 71.6 9337 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc
opterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Mammalia; Theria; Metather
ia; Diprotodontia; Phalangeridae; Trichosurus; Trichosurus vulpecula
UdeM00000038645 6596 67.8 UdeM00000038645 XP_045189070.1 46.2 78
42 0 49 126 87 164 1.30E-08 67.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000038647 6565 68.6 UdeM00000038647 XP_022304950.1 49.2 65
32 1 2 66 100 163 3.80E-09 68.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000038650 9337 115.5 UdeM00000038650 XP_036614956.1 29.2 264
137 5 39 254 87 348 1.40E-22 115.5 9337 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc
opterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Mammalia; Theria; Metather
ia; Diprotodontia; Phalangeridae; Trichosurus; Trichosurus vulpecula
UdeM00000038651 6579 154.8 UdeM00000038651 XP_033745967.1 37.5 224
136 4 144 366 204 424 3.00E-34 154.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000038652 29159 120.6 UdeM00000038652 XP_034305965.1 35.9 198
110 5 6 202 6 187 2.40E-24 120.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000038653 29159 96.7 UdeM00000038653 XP_034311318.1 44.1 118
55 5 11 121 113 226 2.20E-17 96.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000038656 7739 79 UdeM00000038656 XP_035699508.1 32.4 182
103 5 6 172 657 833 1.00E-11 79 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
anchiostoma; Branchiostoma floridae
UdeM00000038659 6565 122.5 UdeM00000038659 XP_022299405.1 42.1 152
87 1 3 153 180 331 1.10E-24 122.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038660 6565 134.4 UdeM00000038660 XP_022299405.1 38.1 202
122 2 19 219 139 338 3.20E-28 134.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038661 225164 594 UdeM00000038661 XP_009056593.1 73.5
373 99 0 6 378 7 379 1.40E-166 594 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000038662 29159 172.6 UdeM00000038662 XP_011426737.2 38.7 282
109 6 1 274 1 226 7.60E-40 172.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038663 29159 210.3 UdeM00000038663 XP_011426737.2 50 250
105 7 1 242 1 238 2.70E-51 210.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038664 6596 135.2 UdeM00000038664 XP_045161472.1 69.6 92
28 0 1 92 1 92 4.30E-29 135.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038665 6596 133.3 UdeM00000038665 XP_045171063.1 39.9 173
100 4 15 186 7 176 3.40E-28 133.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038666 6573 187.2 UdeM00000038666 XP_021353474.1 57.4 162
61 2 6 167 8 161 1.70E-44 187.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038668 400727 111.7 UdeM00000038668 XP_025081661.1 36.9
176 105 5 2 173 116 289 1.20E-21 111.7 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000038669 400727 176.4 UdeM00000038669 XP_025081661.1 39
282 157 8 15 290 17 289 6.00E-41 176.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000038667 400727 194.9 UdeM00000038667 XP_025081661.1 39.9
296 163 8 2 291 3 289 1.60E-46 194.9 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000038670 6596 142.1 UdeM00000038670 XP_045187600.1 34.6 289
160 10 167 434 232 512 1.70E-30 142.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038671 6596 104 UdeM00000038671 XP_045175391.1 30.4 289
161 13 34 298 115 387 3.50E-19 104 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038672 6596 104 UdeM00000038672 XP_045175391.1 30.4 289
161 13 34 298 115 387 3.50E-19 104 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038674 6573 203 UdeM00000038674 XP_021341195.1 65 137
48 0 1 137 376 512 2.50E-49 203 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038673 6573 268.9 UdeM00000038673 XP_021341195.1 64.1 192
69 0 25 216 321 512 5.80E-69 268.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038675 6579 386 UdeM00000038675 XP_033745790.1 59 322
120 3 19 340 13 322 5.10E-104 386 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000038676 6596 273.9 UdeM00000038676 XP_045163647.1 66.5 185
61 1 5 188 5 189 1.60E-70 273.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038677 6596 304.3 UdeM00000038677 XP_045163647.1 72 189
53 0 1 189 1 189 1.10E-79 304.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038678 29159 253.1 UdeM00000038678 XP_019928839.2 73.2 164
39 1 37 200 30 188 3.10E-64 253.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038679 6596 90.1 UdeM00000038679 XP_045162920.1 69.4 62
 19 0 9 70 238 299 1.20E-15 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038680 110193 349 UdeM00000038680 XP_017770884.1 75.7
 235 57 0 4 238 5 239 5.00E-93 349 110193
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Stap
 hyliniformia;Staphylinioida;Silphidae;Nicrophorinae;Nicrophorus;Nicrophor
 us vespilloides
 UdeM00000038681 400727 204.1 UdeM00000038681 XP_025081379.1 53.1
 226 94 5 4 220 12 234 1.90E-49 204.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038682 6565 217.6 UdeM00000038682 XP_022324535.1 39.9 276
 161 4 38 308 84 359 2.30E-53 217.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038683 6565 216.1 UdeM00000038683 XP_022324535.1 39.9 276
 161 4 38 308 84 359 6.70E-53 216.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038684 6596 188.7 UdeM00000038684 XP_045198758.1 40.8 262
 124 6 12 271 43 275 9.90E-45 188.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038685 6596 278.1 UdeM00000038685 XP_045198758.1 52.2 270
 122 3 11 280 342 604 1.20E-71 278.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038686 6579 228.8 UdeM00000038686 XP_033731739.1 57.1 177
 76 0 1 177 202 378 5.40E-57 228.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038687 6596 441.8 UdeM00000038687 XP_045162326.1 62.7 389
 142 2 18 406 12 397 9.40E-121 441.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038689 6596 614.4 UdeM00000038689 XP_045161487.1 63 500
 177 5 38 532 33 529 1.40E-172 614.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038690 6596 288.9 UdeM00000038690 XP_045163244.1 39.2 538
 302 10 7 529 6 533 1.30E-74 288.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038691 6596 743.4 UdeM00000038691 XP_045161234.1 60.4 591
 219 8 1 582 11 595 2.20E-211 743.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038692 6596 656.8 UdeM00000038692 XP_045161234.1 53.5 591
 258 6 1 580 11 595 2.60E-185 656.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038693 6596 142.9 UdeM00000038693 XP_045162814.1 41.7 144
 84 0 27 170 30 173 4.00E-31 142.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038694 6579 547 UdeM00000038694 XP_033764057.1 61.2 436
 118 4 1 436 50 434 2.20E-152 547 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038695 225164 123.6 UdeM00000038695 XP_009066736.1 69.4
 72 22 0 20 91 314 385 1.40E-25 123.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000038697 6579 417.9 UdeM00000038697 XP_033764057.1 68.4 294
 87 2 4 291 12 305 1.00E-113 417.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038696 6579 417.9 UdeM00000038696 XP_033764057.1 68.4 294
 87 2 8 295 12 305 1.10E-113 417.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038698 6565 123.6 UdeM00000038698 XP_022336943.1 43.8 176
 85 5 48 211 95 268 3.20E-25 123.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038699 6596 236.5 UdeM00000038699 XP_045162516.1 54.1 209
94 1 3 209 2 210 3.10E-59 236.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038700 1735272 119 UdeM00000038700 XP_041379021.1 44.5
128 67 1 147 270 33 160 9.90E-24 119 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000044309 6579 1187.9 UdeM00000044309 XP_033726714.1 49.3
1247 579 11 145 1344 103 1343 0.00E+00 1187.9 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000044312 6596 172.6 UdeM00000044312 XP_045164901.1 34.8 287
165 10 27 305 5 277 8.90E-40 172.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044314 6596 168.3 UdeM00000044314 XP_045199652.1 33.4 290
170 8 9 293 23 294 1.80E-38 168.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044315 6596 169.9 UdeM00000044315 XP_045199652.1 31.7 319
191 8 9 315 23 326 6.20E-39 169.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039927 6596 205.3 UdeM00000039927 XP_045185473.1 21.7 1310
859 38 513 1770 4 1198 1.10E-48 205.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039928 6596 280.8 UdeM00000039928 XP_045207280.1 42.2 365
161 4 1 316 28 391 2.30E-72 280.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039929 6596 263.8 UdeM00000039929 XP_045208936.1 65.3 190
65 1 20 208 32 221 1.90E-67 263.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039930 6596 755.4 UdeM00000039930 XP_045208936.1 54 700
 293 9 9 684 233 927 6.50E-215 755.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039931 29159 868.6 UdeM00000039931 XP_019924043.2 74.6 535
 136 0 79 613 1000 1534 4.70E-249 868.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039932 6596 165.2 UdeM00000039932 XP_045176664.1 27.1 451
 291 10 43 471 33 467 2.00E-37 165.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039933 6596 174.5 UdeM00000039933 XP_045181277.1 39.3 270
 141 8 216 467 155 419 3.20E-40 174.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039934 6596 168.7 UdeM00000039934 XP_045181277.1 44.7 206
 102 6 342 539 218 419 2.00E-38 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039935 6596 144.4 UdeM00000039935 XP_045181277.1 36 225
 135 6 168 386 139 360 5.20E-31 144.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039936 6596 211.8 UdeM00000039936 XP_045177373.1 29.5 516
 303 14 5 466 33 541 2.40E-51 211.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039937 6596 185.3 UdeM00000039937 XP_045177373.1 28.4 472
 263 15 43 458 3 455 1.90E-43 185.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039938 6596 117.1 UdeM00000039938 XP_045176664.1 25.2 441
 228 12 10 352 31 467 5.40E-23 117.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039939 400727 492.7 UdeM00000039939 XP_025082157.1 71.1
336 95 2 22 357 20 353 4.10E-136 492.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039940 6579 839.3 UdeM00000039940 XP_033731862.1 65.7 731
217 17 112 827 449 1160 7.80E-240 839.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039941 6579 340.1 UdeM00000039941 XP_033731867.1 62.4 322
82 9 272 584 44 335 5.50E-90 340.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039942 6579 333.2 UdeM00000039942 XP_033731867.1 61.5 327
82 10 272 589 44 335 6.80E-88 333.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039943 6596 879.4 UdeM00000039943 XP_045209528.1 58.4 865
304 16 1 832 4 845 3.60E-252 879.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039944 6573 739.6 UdeM00000039944 XP_021349019.1 72.2 479
131 2 1 478 1 478 2.60E-210 739.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039945 1735272 414.5 UdeM00000039945 XP_041372411.1 64
314 113 0 29 342 55 368 1.40E-112 414.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039946 6596 438.3 UdeM00000039946 XP_045208267.1 52 552
199 8 105 622 83 602 1.60E-119 438.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039947 13397 285.8 UdeM00000039947 XP_041069267.1 54.8 228
101 1 7 234 3 228 5.00E-74 285.8 13397 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharodon;Carcharodon carcharias

UdeM00000039948 50390 273.5 UdeM00000039948 XP_028148951.1 50.7 227
112 0 6 232 555 781 2.50E-70 273.5 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000039949 50390 277.7 UdeM00000039949 XP_028148951.1 52.4 227
108 0 6 232 555 781 1.30E-71 277.7 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000039950 7830 284.3 UdeM00000039950 XP_038673199.1 54.6 227
103 0 6 232 245 471 1.40E-73 284.3 7830 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Carcharhiniformes;Scyliorhinidae;Scyliorhinus;Scyliorhinus canicula

UdeM00000039951 50390 310.1 UdeM00000039951 XP_028154228.1 52.2 255
122 0 6 260 215 469 2.70E-81 310.1 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000039952 50390 198.7 UdeM00000039952 XP_028147518.1 49.1 173
86 1 6 178 77 247 6.10E-48 198.7 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000039953 259920 305.1 UdeM00000039953 XP_020376696.1 54.3
256 115 1 7 262 218 471 8.90E-80 305.1 259920
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Rhincodontidae;Rhincodon;Rhincodon typus

UdeM00000039954 50390 311.2 UdeM00000039954 XP_028154228.1 54.9 233
105 0 6 238 159 391 1.10E-81 311.2 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000039955 1529436 172.6 UdeM00000039955 XP_033114971.1 29.2
400 174 8 1 299 1 392 8.30E-40 172.6 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica

UdeM00000039956 54343 62 UdeM00000039956 XP_032365425.1 48.3 58
30 0 21 78 410 467 7.10E-07 62 54343 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Percoide
i;Percidae;Etheostomatinae;Etheostoma;Oligocephalus;Etheostoma spectabile

UdeM00000039957 8078 232.3 UdeM00000039957 XP_035994542.1 42.1 311
156 7 13 303 8 314 8.90E-58 232.3 8078 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus

heteroclitus

UdeM00000039958 114398 419.9 UdeM00000039958 XP_042903861.1 38.4
609 364 6 1 605 1 602 5.70E-114 419.9 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000039960 50390 261.2 UdeM00000039960 XP_028154228.1 55.1 196
88 0 6 201 103 298 1.10E-66 261.2 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera

UdeM00000039961 7950 261.2 UdeM00000039961 XP_042563449.1 34.2 480
269 11 6 473 37 481 3.00E-66 261.2 7950 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Clupeinae;Clupea
;Clupea harengus

UdeM00000039963 29144 76.3 UdeM00000039963 XP_030641137.1 31.5 146
83 4 247 385 144 279 9.80E-11 76.3 29144 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Anotophysii;Gonorynchiformes;Chanoidei;Chanid
ae;Chanos;Chanos chanos

UdeM00000039964 30732 63.9 UdeM00000039964 XP_024146633.1 33.3 108
56 2 22 113 87 194 1.60E-07 63.9 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce

phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Beloniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000039965 244447 76.3 UdeM00000039965 XP_008318068.1 33.6
137 78 5 183 311 110 241 8.10E-11 76.3 244447
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Pleuronectiformes;Pleuronectoidei;Cynoglossidae;Cynoglossinae;Cynoglossus;Cynoglossus semilaevis

UdeM00000039966 8032 72 UdeM00000039966 XP_029590128.1 32.6 138
82 4 243 375 67 198 1.80E-09 72 8032 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salmoninae;Salmo;Salmo trutta

UdeM00000039967 6579 68.9 UdeM00000039967 XP_033725748.1 32.1 134
81 5 154 285 189 314 1.30E-08 68.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039969 6579 397.5 UdeM00000039969 XP_033730682.1 56 491
157 12 10 467 2 466 2.30E-107 397.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039970 37653 726.9 UdeM00000039970 XP_014787773.1 96 374
15 0 46 419 1 374 1.50E-206 726.9 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000039971 29159 272.7 UdeM00000039971 XP_011422874.1 74.5 184
46 1 1 183 1 184 3.40E-70 272.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039972 29159 267.7 UdeM00000039972 XP_011422874.1 73.3 187
46 2 1 186 1 184 1.10E-68 267.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039973 1735272 147.9 UdeM00000039973 XP_041371677.1 47.5
200 84 5 81 260 78 276 1.90E-32 147.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039974 6596 1058.5 UdeM00000039974 XP_045207837.1 73.3
723 192 1 1 723 1 722 4.60E-306 1058.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039975 6596 1058.5 UdeM00000039975 XP_045207837.1 73.3
723 192 1 1 723 1 722 4.60E-306 1058.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039977 6596 305.8 UdeM00000039977 XP_045183440.1 46.9 350
160 4 45 369 32 380 9.30E-80 305.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039982 29159 99 UdeM00000039982 XP_034315421.1 55.6 108
42 3 3 106 364 469 4.20E-18 99 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039983 29159 70.1 UdeM00000039983 XP_034316230.1 32.5 154
97 3 61 208 31 183 3.80E-09 70.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039984 29159 92.4 UdeM00000039984 XP_034318948.1 32 194
32 1 1 94 374 567 4.10E-16 92.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039985 29159 244.2 UdeM00000039985 XP_034318948.1 44.4 268
147 1 1 266 686 953 1.90E-61 244.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039987 1735272 287.3 UdeM00000039987 XP_041369837.1 52
256 122 1 1 256 1897 2151 1.90E-74 287.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042258 6565 686 UdeM00000042258 XP_022313078.1 32.5 1500
813 38 32 1516 181 1495 1.10E-193 686 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042260 6596 105.1 UdeM00000042260 XP_045158017.1 34.8 161
77 1 1 133 1104 1264 6.80E-20 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000042261 7741 111.7 UdeM00000042261 XP_019633208.1 27.3 238
 151 5 8 245 2632 2847 1.40E-21 111.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
 UdeM00000042262 6596 183.3 UdeM00000042262 XP_045198504.1 31.7 357
 209 11 2 343 236 572 5.80E-43 183.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000042264 7739 171 UdeM00000042264 XP_035699678.1 29.2 359
 225 12 10 368 2228 2557 3.00E-39 171 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
 UdeM00000042263 6596 178.3 UdeM00000042263 XP_045198504.1 32.7 327
 196 9 27 349 268 574 1.70E-41 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000042265 29159 209.1 UdeM00000042265 XP_034330341.1 39.4 221
 127 1 263 483 12 225 1.30E-50 209.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011934 6596 222.2 UdeM00000011934 XP_045209416.1 28.3 540
 358 19 171 693 371 898 2.40E-54 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011935 29159 105.9 UdeM00000011935 XP_034315421.1 32 228
 80 3 71 224 248 474 7.40E-20 105.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011938 6565 280.8 UdeM00000011938 XP_022306954.1 63.6 198
 72 0 1 198 367 564 1.80E-72 280.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011938 6565 66.2 UdeM00000011938 XP_022306954.1 49.2 59
 30 0 203 261 890 948 6.90E-08 66.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011939 29159 418.7 UdeM00000011939 XP_034330911.1 54 376
 166 3 5 379 1 370 8.20E-114 418.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000011940 29159 289.7 UdeM00000011940 XP_034299474.1 41.8 354
 190 3 1 351 415 755 5.10E-75 289.7 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000011941 29159 312 UdeM00000011941 XP_034299474.1 42.8 369
 195 3 1 366 400 755 1.00E-81 312 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000011942 6565 391.7 UdeM00000011942 XP_022322655.1 42.7 553
 218 16 1 458 1 549 1.30E-105 391.7 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000011943 6565 349.7 UdeM00000011943 XP_022322655.1 39.3 552
 161 8 1 381 1 549 4.50E-93 349.7 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000011944 6565 414.8 UdeM00000011944 XP_022322655.1 43.9 553
 225 15 1 472 1 549 1.40E-112 414.8 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000011946 7604 676.8 UdeM00000011946 XP_033632832.1 54.2 576
 261 3 143 717 273 846 3.00E-191 676.8 7604 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Echinodermata; Eleutherozoa; Asterozoa; Asterozoa; Asterozoa; Forcipulatacea; Forcipul
 atida; Asterozoa; Asterozoa; Asterias; Asterias rubens
 UdeM00000011947 7574 115.5 UdeM00000011947 XP_013410728.1 32.1 296
 155 7 228 487 56 341 1.90E-22 115.5 7574 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
 guloidea; Lingulidae; Lingula; Lingula anatina
 UdeM00000011949 29159 98.2 UdeM00000011949 XP_034303860.1 46.7 120
 61 2 5 121 21 140 8.40E-18 98.2 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000011950 6579 204.9 UdeM00000011950 XP_033758269.1 28.3 718
 443 25 304 993 4 677 5.00E-49 204.9 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000011951 6500 62 UdeM00000011951 XP_035828412.1 29.4 126
 78 3 9 128 14 134 1.20E-06 62 6500 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tec
 tipleura; Aplysiida; Aplysiidae; Aplysia; Aplysia californica
 UdeM00000011955 50429 253.4 UdeM00000011955 XP_022799197.1 28.5 592
 379 12 1 561 14 592 6.60E-64 253.4 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000011956 50429 256.1 UdeM00000011956 XP_022799197.1 28.8 601
382 13 4 571 5 592 1.00E-64 256.1 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000011957 1735272 96.3 UdeM00000011957 XP_041355798.1 35.4
144 91 2 20 163 52 193 3.90E-17 96.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011958 1735272 62.8 UdeM00000011958 XP_041355798.1 32.4
105 70 1 20 124 52 155 5.00E-07 62.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011959 50429 264.6 UdeM00000011959 XP_022799197.1 29.6 595
376 14 11 579 14 591 3.00E-67 264.6 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000011960 6850 92.8 UdeM00000011960 XP_022246982.1 29.4 245
155 4 2 228 108 352 6.60E-16 92.8 6850 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
lidae;Limulus;Limulus polyphemus

UdeM00000011961 29159 99.8 UdeM00000011961 XP_034316161.1 45.7 105
57 0 2 106 904 1008 8.10E-18 99.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011962 29159 123.6 UdeM00000011962 XP_034316161.1 53.6 97
45 0 1 97 718 814 2.00E-25 123.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011968 6565 99 UdeM00000011968 XP_022310266.1 60.8 79
31 0 208 286 197 275 1.10E-17 99 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011969 6565 93.2 UdeM00000011969 XP_022310266.1 42.3 130
57 1 152 263 197 326 5.50E-16 93.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011970 6565 93.2 UdeM00000011970 XP_022310266.1 42.3 130
57 1 123 234 197 326 4.90E-16 93.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000011971 6596 83.6 UdeM00000011971 XP_045208696.1 30.1 382
194 13 13 343 31 390 5.50E-13 83.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011972 6573 570.9 UdeM00000011972 XP_021354853.1 51.5 542
257 3 144 680 276 816 2.40E-159 570.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011973 29159 149.4 UdeM00000011973 XP_034313077.1 72.2 97
27 0 8 104 137 233 4.60E-33 149.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000011974 6596 379 UdeM00000011974 XP_045208720.1 33 786
464 23 2 769 190 930 1.50E-101 379 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011975 6579 187.2 UdeM00000011975 XP_033739209.1 53.3 169
79 0 9 177 2 170 2.10E-44 187.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000011976 6565 126.7 UdeM00000011976 XP_022344917.1 37 189
111 3 108 294 83 265 5.00E-26 126.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000011977 6565 144.4 UdeM00000011977 XP_022297447.1 54.5 121
54 1 3 123 142 261 9.40E-32 144.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000011978 1735272 80.5 UdeM00000011978 XP_041349588.1 45.6
79 43 0 1 79 1 79 1.10E-12 80.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000011979 6573 72.4 UdeM00000011979 XP_021347372.1 34.8 138
84 3 4 136 324 460 6.30E-10 72.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011980 6596 58.5 UdeM00000011980 XP_045208720.1 34.1 85
53 2 13 97 138 219 5.40E-06 58.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011981 7070 226.1 UdeM00000011981 XP_015838855.1 66.9 166
 53 1 2 167 289 452 3.30E-56 226.1 7070 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;
 Tenebrionoidea;Tenebrionidae;Tenebrionidae incertae sedis;Tribolium;Tribolium castaneum
 UdeM00000011982 400727 508.1 UdeM00000011982 XP_025113942.1 69.4
 366 97 2 5 370 5 355 9.70E-141 508.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000011983 6596 154.1 UdeM00000011983 XP_045185656.1 47.9 165
 86 0 1 165 1 165 1.60E-34 154.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011985 6596 295 UdeM00000011985 XP_045185656.1 51.8 274
 132 0 1 274 1 274 1.40E-76 295 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011987 29159 63.2 UdeM00000011987 XP_034303531.1 47.5 59
 30 1 20 77 116 174 1.80E-07 63.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011988 7913 102.4 UdeM00000011988 XP_041112883.1 40.6 138
 52 2 1 108 625 762 3.70E-19 102.4 7913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Chondrostei;Acipenseriformes;Acipenseridae;Polyodontidae;
 Polyodontinae;Polyodontini;Polyodon;Polyodon spathula
 UdeM00000011989 6596 119.4 UdeM00000011989 XP_045208721.1 28.2 319
 214 9 1 316 700 1006 1.20E-23 119.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011990 6596 149.4 UdeM00000011990 XP_045208720.1 33.2 274
 173 6 1 267 461 731 6.80E-33 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011991 6573 195.7 UdeM00000011991 XP_021354853.1 32.1 361
 145 3 99 359 147 507 1.00E-46 195.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011992 6573 122.9 UdeM00000011992 XP_021372025.1 35.3 207
126 4 1 201 200 404 4.80E-25 122.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011993 6596 208.8 UdeM00000011993 XP_045208720.1 34.2 445
239 18 33 465 39 441 1.50E-50 208.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000011994 6596 95.9 UdeM00000011994 XP_045209522.1 28.2 241
157 7 25 258 37 268 8.30E-17 95.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000011996 6596 201.4 UdeM00000011996 XP_045208720.1 25.6 1022
518 36 22 825 127 1124 4.40E-48 201.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000011997 6596 114.8 UdeM00000011997 XP_045158584.1 45.1 142
68 3 33 171 200 334 1.20E-22 114.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000012000 202533 242.7 UdeM00000012000 XP_035218899.1 31.6
468 257 8 2 408 3 468 8.40E-61 242.7 202533
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
UdeM00000012002 6596 215.3 UdeM00000012002 XP_045173349.1 32.3 495
300 17 6 483 528 1004 2.30E-52 215.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000012003 6596 94.4 UdeM00000012003 XP_045209522.1 29.1 213
132 7 21 224 34 236 2.40E-16 94.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000012004 7574 63.5 UdeM00000012004 XP_013407625.2 45.1 71
38 1 35 105 261 330 2.50E-07 63.5 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012005 6565 313.5 UdeM00000012005 XP_022287155.1 53.6 306
 137 2 322 622 284 589 6.10E-82 313.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012007 6565 95.9 UdeM00000012007 XP_022322825.1 42.3 111
 63 1 3 112 342 452 3.80E-17 95.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012010 6573 120.9 UdeM00000012010 XP_021352054.1 49.3 136
 62 3 1 132 1 133 1.20E-24 120.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012011 6565 300.1 UdeM00000012011 XP_022295545.1 45.6 287
 142 5 1 280 137 416 3.00E-78 300.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012013 6579 114.8 UdeM00000012013 XP_033730093.1 30.2 268
 178 6 1 266 416 676 2.40E-22 114.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012014 7574 146 UdeM00000012014 XP_013396733.1 39.9 228
 134 3 74 299 22 248 7.80E-32 146 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000012017 6596 232.6 UdeM00000012017 XP_045173349.1 28.7 693
 427 24 35 707 480 1125 1.80E-57 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012019 6596 160.6 UdeM00000012019 XP_045208720.1 27.4 577
 327 24 109 652 40 557 8.10E-36 160.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012020 6596 141.7 UdeM00000012020 XP_045208720.1 28.8 382
 217 15 109 465 40 391 3.40E-30 141.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012023 6596 110.9 UdeM00000012023 XP_045208720.1 29.5 305
 154 13 307 559 101 396 5.50E-21 110.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012024 6596 168.3 UdeM00000012024 XP_045173349.1 32.8 345
 210 9 291 618 408 747 3.10E-38 168.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012025 6596 79 UdeM00000012025 XP_045209446.1 27.5 167
 112 2 2 168 392 549 7.20E-12 79 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012026 1735272 194.9 UdeM00000012026 XP_041362472.1 41.2
 228 129 3 1 223 185 412 1.10E-46 194.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012027 1735272 85.5 UdeM00000012027 XP_041366951.1 43.9
 82 46 0 40 121 159 240 6.00E-14 85.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012028 1735272 85.5 UdeM00000012028 XP_041366951.1 43.9
 82 46 0 40 121 159 240 6.00E-14 85.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012029 1735272 194.9 UdeM00000012029 XP_041362472.1 41.2
 228 129 3 1 223 185 412 1.10E-46 194.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012030 1735272 194.9 UdeM00000012030 XP_041362472.1 41.2
 228 129 3 1 223 185 412 1.10E-46 194.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012031 1735272 85.5 UdeM00000012031 XP_041366951.1 43.9
 82 46 0 40 121 159 240 6.00E-14 85.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019665 6596 280 UdeM00000019665 XP_045191742.1 30.1 714
 460 15 13 703 10 707 8.20E-72 280 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019666 6596 1321.6 UdeM00000019666 XP_045207732.1 56.5
1284 542 10 1 1278 39 1311 0.00E+00 1321.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019667 6596 300.4 UdeM00000019667 XP_045202427.1 31.3 721
443 15 13 699 11 713 5.80E-78 300.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019668 6596 77 UdeM00000019668 XP_045183569.1 34.8 138
87 2 13 148 11 147 2.30E-11 77 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019669 6573 61.6 UdeM00000019669 XP_021371966.1 38.9 72
38 1 2 73 319 384 4.80E-07 61.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019671 6596 81.6 UdeM00000019671 XP_045207732.1 40.7 145
61 6 11 137 1174 1311 8.30E-13 81.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019672 6596 180.6 UdeM00000019672 XP_045215628.1 61.5 130
50 0 66 195 41 170 1.90E-42 180.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019673 6596 86.3 UdeM00000019673 XP_045202427.1 31.7 167
111 2 21 185 150 315 5.10E-14 86.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019674 6596 264.2 UdeM00000019674 XP_045202427.1 30.2 686
429 14 13 665 11 679 4.40E-67 264.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019675 6596 673.3 UdeM00000019675 XP_045207732.1 54.3 751
327 8 73 818 572 1311 4.30E-190 673.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019676 6596 714.9 UdeM00000019676 XP_045207732.1 52.2 837
 362 9 69 878 486 1311 1.40E-202 714.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019679 6596 288.9 UdeM00000019679 XP_045156925.1 31.5 705
 443 17 14 698 12 696 1.80E-74 288.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019680 6596 1258.8 UdeM00000019680 XP_045207736.1 53.2
 1324 543 12 1 1300 39 1310 0.00E+00 1258.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019681 6596 69.3 UdeM00000019681 XP_045191318.1 33.6 107
 69 2 13 118 11 116 5.60E-09 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019682 6596 136.7 UdeM00000019682 XP_045157494.1 31.5 352
 208 10 4 339 337 671 5.40E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019683 6596 287.7 UdeM00000019683 XP_045202427.1 30.5 719
 460 13 13 703 11 717 3.90E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019685 6573 59.7 UdeM00000019685 XP_021374999.1 44.6 65
 35 1 2 66 314 377 5.80E-06 59.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019686 6596 199.9 UdeM00000019686 XP_045207732.1 51.1 229
 103 5 19 245 1090 1311 3.70E-48 199.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019687 6596 88.2 UdeM00000019687 XP_045183569.1 35.5 166
 97 3 13 174 11 170 1.30E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019688 6573 60.5 UdeM00000019688 XP_021371966.1 48.1 52
 27 0 2 53 319 370 1.20E-06 60.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019689 6596 93.2 UdeM00000019689 XP_045211560.1 31.7 224
 120 5 7 199 430 651 4.10E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019690 6579 80.9 UdeM00000019690 XP_033730094.1 39.3 112
 63 3 326 435 9 117 6.60E-12 80.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019691 1735272 516.5 UdeM00000019691 XP_041347279.1 35.8
 907 513 29 59 925 1 878 6.80E-143 516.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019692 6596 601.3 UdeM00000019692 XP_045207732.1 49.3 744
 321 11 109 800 572 1311 1.80E-168 601.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019693 6596 144.1 UdeM00000019693 XP_045167321.1 23.5 706
 309 15 10 498 8 699 5.00E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019694 6596 1330.5 UdeM00000019694 XP_045207736.1 56
 1283 547 10 1 1277 39 1310 0.00E+00 1330.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019695 6596 604 UdeM00000019695 XP_045209234.1 48.4 659
 244 8 10 666 22 586 2.70E-169 604 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019697 6596 172.2 UdeM00000019697 XP_045208197.1 60.3 131
 47 2 1 126 1 131 4.70E-40 172.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019698 6596 529.6 UdeM00000019698 XP_045208197.1 49.2 718
 262 15 4 706 132 761 5.90E-147 529.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019699 225164 107.8 UdeM00000019699 XP_009059891.1 30.6
 402 204 12 55 424 2719 3077 3.70E-20 107.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000019700 29159 1555 UdeM00000019700 XP_034300567.1 37.1 2202
 1297 41 39 2189 612 2777 0.00E+00 1555 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019701 6565 151.8 UdeM00000019701 XP_022325864.1 27.6 362
 144 4 1 244 143 504 1.20E-33 151.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019702 6596 77 UdeM00000019702 XP_045208498.1 31.3 195
 89 6 21 210 1 155 4.60E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019703 1735272 237.3 UdeM00000019703 XP_041373713.1 79.6
 142 28 1 1 141 1 142 1.30E-59 237.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019704 6596 1090.9 UdeM00000019704 XP_045210473.1 55.8
 1002 384 13 1 959 9 994 0.00E+00 1090.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019705 63436 73.6 UdeM00000019705 XP_043469606.1 38.7 119
 64 3 27 137 375 492 2.60E-10 73.6 63436 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
 sitoida;Cynipoidea;Figitidae;Eucoilinae;Leptopilina;Leptopilina
 heterotoma

UdeM00000019706 6573 223.8 UdeM00000019706 XP_021364972.1 66 147
 50 0 1 147 259 405 2.80E-55 223.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019707 6596 450.3 UdeM00000019707 XP_045207545.1 57.9 361
 152 0 49 409 38 398 2.70E-123 450.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019708 6596 441 UdeM00000019708 XP_045207545.1 62.7 324
 121 0 6 329 75 398 1.30E-120 441 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019709 37653 198 UdeM00000019709 XP_014775923.1 51.5 169
 81 1 1 168 1 169 1.10E-47 198 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000019710 37621 213.4 UdeM00000019710 XP_014672567.1 52.3 174
 83 0 10 183 345 518 2.90E-52 213.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000019711 37621 147.5 UdeM00000019711 XP_014673981.1 47.4 171
 56 3 29 165 48 218 1.60E-32 147.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000019712 29159 506.9 UdeM00000019712 XP_034304363.1 56.5 526
 201 9 5 529 60 558 3.10E-140 506.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019713 6573 240.4 UdeM00000019713 XP_021357351.1 46.9 273
 142 2 64 336 37 306 3.70E-60 240.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019714 6573 136.3 UdeM00000019714 XP_021357351.1 50 124
 55 1 11 127 140 263 3.00E-29 136.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019715 6596 228.8 UdeM00000019715 XP_045193707.1 31.3 451
 282 11 12 447 22 459 1.40E-56 228.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019716 6573 244.6 UdeM00000019716 XP_021357351.1 48.8 248
 125 2 4 251 82 327 1.40E-61 244.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019717 6573 334 UdeM00000019717 XP_021370367.1 53.9 323
 146 3 1 323 1 320 2.30E-88 334 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019718 1735272 154.5 UdeM00000019718 XP_041373778.1 84.5
 116 16 1 1 114 1 116 8.70E-35 154.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019720 133434 131.7 UdeM00000019720 XP_022088701.1 38.3
 201 110 5 23 216 109 302 1.20E-27 131.7 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000019721 400682 178.3 UdeM00000019721 XP_019849765.1 35.6
 284 149 8 200 450 163 445 2.20E-41 178.3 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000019723 6573 65.1 UdeM00000019723 XP_021370009.1 45.6 68
 34 1 2 69 111 175 4.20E-08 65.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019726 6579 533.9 UdeM00000019726 XP_033758669.1 57.9 454
 185 4 1 449 1 453 2.10E-148 533.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019727 45264 716.5 UdeM00000019727 XP_029192633.2 39.9 1043
 547 13 12 983 13 1046 4.80E-203 716.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000019728 6596 912.1 UdeM00000019728 XP_045210321.1 74.8 731
 133 12 1 724 61 747 4.40E-262 912.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019729 1676925 125.6 UdeM00000019729 XP_023657625.1 37.4
 190 88 2 2 160 99 288 6.10E-26 125.6 1676925
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossoccephalai;Osteoglo
 ssocephala;Osteoglossomorpha;Osteoglossiformes;Mormyridae;Paramormyrops;P
 aramormyrops kingsleyae
 UdeM00000019731 6596 213 UdeM00000019731 XP_045207055.1 35.9 306
 189 3 90 395 70 368 6.90E-52 213 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019732 6596 61.6 UdeM00000019732 XP_045160713.1 41.9 93
51 2 59 148 284 376 9.60E-07 61.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019733 6565 82.8 UdeM00000019733 XP_022293466.1 42.7 103
36 2 1 83 1 100 2.30E-13 82.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019736 29159 74.7 UdeM00000019736 XP_034319534.1 36.5 85
53 1 42 125 98 182 9.40E-11 74.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019737 29159 760 UdeM00000019737 XP_034300360.1 74.6 493
125 0 1 493 1 493 2.20E-216 760 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019739 400727 1014.6 UdeM00000019739 XP_025101259.1
88.1 581 69 0 5 585 14 594 5.10E-293 1014.6
400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000019738 400727 1015.8 UdeM00000019738 XP_025101259.1
88.3 581 68 0 5 585 14 594 2.30E-293 1015.8
400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000019740 400727 795.8 UdeM00000019740 XP_025100751.1 81.2
468 82 3 1 467 1 463 2.90E-227 795.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000019741 6596 183.7 UdeM00000019741 XP_045209421.1 35.4 302
184 5 6 296 26 327 3.40E-43 183.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019743 70779 168.3 UdeM00000019743 XP_015755124.1 44.3 194
92 1 134 311 223 416 1.60E-38 168.3 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000019744 747089 65.1 UdeM00000019744 XP_025164949.1 31.3
 131 44 3 36 157 410 503 9.60E-08 65.1 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198

UdeM00000019745 747089 69.7 UdeM00000019745 XP_025164949.1 26.8
 194 51 4 2 104 803 996 2.50E-09 69.7 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198

UdeM00000019746 6105 114 UdeM00000019746 XP_031561239.1 57.1 105
 40 2 11 110 166 270 1.20E-22 114 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000019747 6565 700.3 UdeM00000019747 XP_022326686.1 63.3 526
 186 5 51 570 53 577 2.10E-198 700.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019748 6579 500.4 UdeM00000019748 XP_033758518.1 40.1 756
 400 13 33 752 28 766 4.10E-138 500.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019749 6596 354.4 UdeM00000019749 XP_045216133.1 57.1 287
 122 1 124 409 66 352 2.00E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019750 6596 357.8 UdeM00000019750 XP_045173378.1 56.1 312
 132 2 72 382 59 366 1.70E-95 357.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019751 6596 360.5 UdeM00000019751 XP_045173378.1 56.8 292
 125 1 92 382 75 366 2.60E-96 360.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019752 6596 357.5 UdeM00000019752 XP_045173378.1 49.6 365
 162 4 19 382 23 366 2.20E-95 357.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019753 6596 357.8 UdeM00000019753 XP_045173378.1 56.8 292
 125 1 56 346 75 366 1.50E-95 357.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019754 6596 353.6 UdeM00000019754 XP_045216133.1 55.7 309
 134 2 74 379 42 350 3.20E-94 353.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019755 6596 362.8 UdeM00000019755 XP_045216133.1 52 321
 149 3 58 374 31 350 5.10E-97 362.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019757 6596 176.8 UdeM00000019757 XP_045173378.1 50.3 167
 62 2 1 146 199 365 2.00E-41 176.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019758 6596 350.9 UdeM00000019758 XP_045173378.1 56.6 286
 122 2 81 364 80 365 1.90E-93 350.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019759 6596 342.8 UdeM00000019759 XP_045173378.1 55.6 286
 125 2 95 378 80 365 5.50E-91 342.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019760 6596 276.2 UdeM00000019760 XP_045207451.1 79.4 165
 34 0 1 165 29 193 2.80E-71 276.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019761 6596 291.6 UdeM00000019761 XP_045207451.1 75.1 185
 46 0 14 198 9 193 7.60E-76 291.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019762 225164 328.6 UdeM00000019762 XP_009055477.1 45.3
 386 198 4 42 417 7 389 1.20E-86 328.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000019763 6579 181.4 UdeM00000019763 XP_033736448.1 39.1 253
 143 5 1 244 29 279 2.60E-42 181.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000019764 29159 470.7 UdeM00000019764 XP_034311318.1 39.9 684
374 17 157 823 1 664 4.20E-129 470.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000019765 29159 132.5 UdeM00000019765 XP_034312908.1 24.7 587
283 14 158 620 70 621 1.90E-27 132.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000038785 1735272 380.2 UdeM00000038785 XP_041375207.1 43.2
509 262 10 14 502 14 515 5.00E-102 380.2 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000038786 6087 101.3 UdeM00000038786 XP_012565456.1 56 84
37 0 74 157 930 1013 1.20E-18 101.3 6087 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Hydrozoa; Hydr
oidolina; Anthoathecata; Aplanulata; Hydridae; Hydra; Hydra vulgaris
UdeM00000038787 6596 665.6 UdeM00000038787 XP_045192066.1 66.5 487
160 2 1 486 29 513 4.80E-188 665.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000038788 6596 171 UdeM00000038788 XP_045193265.1 63.5 137
48 1 29 165 33 167 1.30E-39 171 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000038789 6596 234.6 UdeM00000038789 XP_045193559.1 35.8 391
216 10 9 385 23 392 2.20E-58 234.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000038790 6573 101.7 UdeM00000038790 XP_021367845.1 35.7 230
131 7 1 220 10 232 1.90E-18 101.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000038791 225164 64.7 UdeM00000038791 XP_009058200.1 50
72 36 0 1 72 1 72 7.50E-08 64.7 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiidae;
Lottia; Lottia gigantea
UdeM00000038793 6596 266.9 UdeM00000038793 XP_045156247.1 34.7 495
196 9 43 415 266 755 4.20E-68 266.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038794 6596 300.4 UdeM00000038794 XP_045156248.1 33 600
268 12 4 475 7 600 3.90E-78 300.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038795 6105 268.1 UdeM00000038795 XP_031549460.1 63.5 200
72 1 5 203 3 202 9.40E-69 268.1 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000038796 6596 639 UdeM00000038796 XP_045194772.1 48 783
309 8 40 803 30 733 8.30E-180 639 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038797 6596 632.9 UdeM00000038797 XP_045194962.1 56.3 558
234 3 1 553 476 1028 3.90E-178 632.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038798 6596 392.1 UdeM00000038798 XP_045194962.1 62.3 292
109 1 1 291 154 445 6.70E-106 392.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038799 6596 163.3 UdeM00000038799 XP_045194962.1 61.3 119
46 0 1 119 33 151 2.30E-37 163.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038801 6573 142.1 UdeM00000038801 XP_021372370.1 85.5 83
12 0 16 98 10 92 3.80E-31 142.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038800 6579 736.9 UdeM00000038800 XP_033754067.1 58.5 651
264 5 16 664 10 656 2.30E-209 736.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038802 1735272 327.4 UdeM00000038802 XP_041377114.1 34.7
606 348 12 8 601 7 576 3.80E-86 327.4 1735272

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038803 6579 630.2 UdeM00000038803 XP_033754244.1 86.3 351
 48 0 1 351 1 351 1.60E-177 630.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038804 6579 1944.9 UdeM00000038804 XP_033755315.1 50.1
 2470 955 15 14 2421 13 2266 0.00E+00 1944.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038805 6579 1955.6 UdeM00000038805 XP_033755315.1 50.2
 2464 969 13 14 2428 13 2266 0.00E+00 1955.6 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038806 6596 137.5 UdeM00000038806 XP_045194878.1 72 107
 29 1 1 107 1 106 1.20E-29 137.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038807 6596 92.4 UdeM00000038807 XP_045164819.1 48.3 87
 44 1 66 152 87 172 5.30E-16 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038808 7668 83.2 UdeM00000038808 XP_030853469.1 53.5 71
 31 2 52 121 114 183 2.60E-13 83.2 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000038809 6565 124.8 UdeM00000038809 XP_022340583.1 56.6 106
 46 0 1 106 35 140 6.80E-26 124.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038810 6565 169.1 UdeM00000038810 XP_022340583.1 58.3 139
 58 0 3 141 2 140 4.10E-39 169.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038811 6565 93.2 UdeM00000038811 XP_022299727.1 41.9 105
 59 1 1 103 46 150 2.30E-16 93.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038813 6596 515.8 UdeM00000038813 XP_045208070.1 40.7 658
 356 10 22 656 4 650 8.20E-143 515.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038814 6596 425.2 UdeM00000038814 XP_045208070.1 42.2 521
 279 9 7 522 2 505 1.20E-115 425.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038815 6596 419.1 UdeM00000038815 XP_045191760.1 43.4 458
 252 4 58 511 23 477 8.30E-114 419.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038816 29159 330.5 UdeM00000038816 XP_034323882.1 44 348
 189 2 37 381 35 379 2.90E-87 330.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038817 29159 96.7 UdeM00000038817 XP_034334787.1 38.3 180
 82 4 4 162 34 205 3.10E-17 96.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038818 6596 510 UdeM00000038818 XP_045208070.1 41.1 645
 358 9 30 656 10 650 4.50E-141 510 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038819 225164 163.3 UdeM00000038819 XP_009052399.1 36.4
 242 124 3 36 247 145 386 6.10E-37 163.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000038820 6596 495 UdeM00000038820 XP_045191760.1 51.6 463
 215 5 23 481 21 478 1.10E-136 495 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038821 29159 299.3 UdeM00000038821 XP_034319142.1 43.5 354
 178 7 20 365 511 850 6.80E-78 299.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038822 6596 338.6 UdeM00000038822 XP_045191760.1 50.2 319
 151 4 37 352 18 331 9.90E-90 338.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038825 6596 64.3 UdeM00000038825 XP_045159059.1 43.2 74
 37 2 312 384 527 596 3.90E-07 64.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038826 6596 83.6 UdeM00000038826 XP_045195634.1 23.5 684
 410 33 34 681 12 618 1.10E-12 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038827 6596 92.8 UdeM00000038827 XP_045159333.1 27.1 247
 170 5 86 324 23 267 1.60E-15 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038830 6573 68.9 UdeM00000038830 XP_021341077.1 36.5 104
 61 1 599 697 586 689 2.90E-08 68.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038831 6596 88.2 UdeM00000038831 XP_045195636.1 44.3 88
 46 1 453 537 642 729 3.50E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038832 37653 704.5 UdeM00000038832 XP_014768217.1 79 442
 87 2 18 456 262 700 8.90E-200 704.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000038833 37653 704.5 UdeM00000038833 XP_014768217.1 79 442
 87 2 49 487 262 700 9.40E-200 704.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000038834 6573 129.8 UdeM00000038834 XP_021374503.1 90 70
 7 0 188 257 245 314 5.00E-27 129.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038835 6596 69.3 UdeM00000038835 XP_045160373.1 58.3 72
 17 2 55 124 63 123 4.70E-09 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038836 6596 100.1 UdeM00000038836 XP_045160365.1 77.9 68
 13 2 107 174 14 79 2.90E-18 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038837 6596 61.2 UdeM00000038837 XP_045160013.1 27 178
 119 3 9 176 7 183 2.30E-06 61.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038838 6579 824.7 UdeM00000038838 XP_033736765.1 65.4 673
 220 6 1 669 1 664 8.40E-236 824.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038839 1735272 263.1 UdeM00000038839 XP_041359112.1 69.4
 170 52 0 2 171 26 195 3.70E-67 263.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038840 1735272 279.6 UdeM00000038840 XP_041359113.1 69.8
 182 55 0 1 182 1 182 4.00E-72 279.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038841 29159 112.8 UdeM00000038841 XP_019926412.2 59.1 88
 36 0 97 184 68 155 4.50E-22 112.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038842 1735272 106.7 UdeM00000038842 XP_041360198.1 30.3
 254 162 11 61 310 11 253 1.90E-19 106.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000038843 6579 176 UdeM00000038843 XP_033741736.1 52.6 171
 79 1 1 169 671 841 4.30E-41 176 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038844 6579 788.5 UdeM00000038844 XP_033739131.1 58.5 622
 255 2 1 619 749 1370 6.20E-225 788.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038845 6596 92.8 UdeM00000038845 XP_045159694.1 39.7 136
 73 3 14 149 18 144 3.90E-16 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038847 29159 298.9 UdeM00000038847 XP_011437081.2 53.6 276
 126 2 22 295 416 691 7.20E-78 298.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038848 6579 438 UdeM00000038848 XP_033736815.1 73.2 395
105 1 31 424 34 428 1.40E-119 438 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000038849 6596 350.1 UdeM00000038849 XP_045158031.1 36.1 596
317 11 12 550 2 590 7.30E-93 350.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038850 6565 112.1 UdeM00000038850 XP_022344917.1 36.6 175
104 2 10 183 97 265 8.10E-22 112.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038851 6596 225.3 UdeM00000038851 XP_045195108.1 34 406
181 5 77 401 13 412 1.70E-55 225.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038852 6596 316.6 UdeM00000038852 XP_045195108.1 52.9 333
134 7 755 1084 782 1094 1.20E-82 316.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038852 6596 82.4 UdeM00000038852 XP_045195108.1 53.1 81
34 1 68 148 388 464 3.80E-12 82.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038853 29159 60.5 UdeM00000038853 XP_034322772.1 34.5 113
70 1 1 109 1 113 2.60E-06 60.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038854 6573 330.5 UdeM00000038854 XP_021378849.1 79.5 200
38 2 1 199 1 198 1.50E-87 330.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038855 6573 493.4 UdeM00000038855 XP_021378849.1 69.3 362
103 4 1 361 1 355 2.40E-136 493.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038856 6573 369 UdeM00000038856 XP_021345313.1 56.1 344
139 3 12 344 52 394 7.00E-99 369 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038857 29159 285.8 UdeM00000038857 XP_011446328.2 55.7 316
121 7 184 481 65 379 1.00E-73 285.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038859 133434 149.8 UdeM00000038859 XP_022110399.1 64
114 38 1 12 125 16 126 2.30E-33 149.8 133434
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvataceae;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci
UdeM00000038860 7574 184.5 UdeM00000038860 XP_013409419.1 60.1 153
60 1 4 155 3 155 2.00E-43 184.5 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000038861 6565 238.8 UdeM00000038861 XP_022316459.1 81.2 138
22 1 1 134 1 138 4.00E-60 238.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000038862 6596 899 UdeM00000038862 XP_045160440.1 89.9 486
46 2 1 486 1 483 2.60E-258 899 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038863 6573 152.9 UdeM00000038863 XP_021365931.1 60.6 127
48 2 29 155 123 247 5.40E-34 152.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038864 6596 282.3 UdeM00000038864 XP_045162353.1 57.7 248
105 0 1 248 1 248 6.00E-73 282.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041119 6596 113.2 UdeM00000041119 XP_045179939.1 41.8 134
75 2 6 136 247 380 2.60E-22 113.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000041120 6596 114.4 UdeM00000041120 XP_045179939.1 40.1 147
83 3 100 242 234 379 2.10E-22 114.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041121 6596 134.8 UdeM00000041121 XP_045177449.1 31.4 293
 135 9 47 322 253 496 2.00E-28 134.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041122 6596 143.7 UdeM00000041122 XP_045177449.1 30.9 382
 174 18 24 347 147 496 4.50E-31 143.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041123 6596 114.8 UdeM00000041123 XP_045179937.1 46.2 130
 66 2 12 139 302 429 9.10E-23 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041124 6596 113.2 UdeM00000041124 XP_045177449.1 31 303
 120 14 44 290 198 467 5.50E-22 113.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041125 6596 110.5 UdeM00000041125 XP_045178867.1 38 142
 88 0 3 144 15 156 1.80E-21 110.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041126 6596 155.6 UdeM00000041126 XP_045178867.1 37 208
 128 1 8 212 15 222 7.20E-35 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041127 6596 464.5 UdeM00000041127 XP_045178484.1 69 319
 93 3 1 319 1 313 1.10E-127 464.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041128 6500 334.3 UdeM00000041128 XP_005111764.1 69.3 218
 62 1 13 225 12 229 1.20E-88 334.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000041129 6596 305.4 UdeM00000041129 XP_045177724.1 61.2 240
 91 1 1 240 5 242 6.40E-80 305.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041130 6596 407.9 UdeM00000041130 XP_045197990.1 36.9 653
 366 17 39 663 97 731 2.60E-110 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041131 6596 379 UdeM00000041131 XP_045197929.1 41.3 523
 288 13 15 527 212 725 1.00E-101 379 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041132 6596 205.3 UdeM00000041132 XP_045167151.1 47.1 257
 131 4 8 262 541 794 1.20E-49 205.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041133 6596 131.7 UdeM00000041133 XP_045167151.1 32.6 316
 142 6 19 267 99 410 1.70E-27 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041134 6596 68.2 UdeM00000041134 XP_045197929.1 35.7 126
 74 5 12 133 210 332 1.10E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041135 6596 1142.5 UdeM00000041135 XP_045179676.1 49.8
 1179 557 13 61 1226 142 1298 0.00E+00 1142.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041136 6565 73.6 UdeM00000041136 XP_022322655.1 27.9 197
 52 2 1 108 417 612 2.40E-10 73.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041137 7574 379 UdeM00000041137 XP_013381129.1 37.2 611
 323 13 4 606 1 558 1.10E-101 379 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000041138 1735272 307.8 UdeM00000041138 XP_041374913.1 30.7
 737 395 14 30 736 22 672 3.80E-80 307.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041139 1735272 325.5 UdeM00000041139 XP_041374913.1 32.1
 704 395 13 30 703 22 672 1.70E-85 325.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041140 6596 188.7 UdeM00000041140 XP_045176664.1 28.8 468
 263 10 62 465 90 551 1.90E-44 188.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041141 6596 186.4 UdeM00000041141 XP_045176664.1 28.3 466
 277 10 8 438 88 531 7.80E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041142 6596 147.9 UdeM00000041142 XP_045177373.1 25.9 425
 255 12 12 380 98 518 2.70E-32 147.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041143 6596 119.8 UdeM00000041143 XP_045177053.1 42.8 138
 75 2 131 265 243 379 6.00E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041144 7725 65.1 UdeM00000041144 XP_039258759.1 39.3 84
 46 1 4 82 793 876 5.40E-08 65.1 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
 clava
 UdeM00000041146 6573 123.6 UdeM00000041146 XP_021356039.1 46.8 111
 59 0 12 122 11 121 1.90E-25 123.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041147 29159 1199.5 UdeM00000041147 XP_034322339.1 51.6
 1182 527 14 1 1144 142 1316 0.00E+00 1199.5
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041148 6850 145.2 UdeM00000041148 XP_013776698.1 37.4 222
 127 3 1 216 73 288 1.00E-31 145.2 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000041149 6573 340.1 UdeM00000041149 XP_021363550.1 63.5 260
 90 1 5 264 26 280 3.10E-90 340.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000041150 6596 2088.2 UdeM00000041150 XP_045180068.1 71.2
1394 367 3 335 1695 292 1684 0.00E+00 2088.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000001 6596 311.6 UdeM000000000001 XP_045178182.1 80 175
35 0 16 190 463 637 6.90E-82 311.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000002 6579 135.2 UdeM000000000002 XP_033728493.1 63.5 96
35 0 8 103 392 487 4.80E-29 135.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM000000000003 45351 82.8 UdeM000000000003 XP_001623471.2 31.9 188
101 4 10 181 12 188 5.90E-13 82.8 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM000000000004 6596 84.3 UdeM000000000004 XP_045177776.1 46.5 101
51 2 14 114 826 923 1.50E-13 84.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000005 1735272 183.3 UdeM000000000005 XP_041378840.1 45
200 84 2 1 200 303 476 3.00E-43 183.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM000000000006 1735272 446.4 UdeM000000000006 XP_041347065.1 52.6
464 165 3 411 819 27 490 7.70E-122 446.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM000000000008 45351 85.1 UdeM000000000008 XP_001623471.2 30.7 205
111 5 10 194 12 205 1.10E-13 85.1 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM000000000009 6596 109 UdeM000000000009 XP_045177695.1 45.7 129
68 2 5 132 253 380 6.80E-21 109 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000010 6596 199.5 UdeM000000000010 XP_045177778.1 40.5 316
158 10 127 429 397 695 1.10E-47 199.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000012 70779 109.8 UdeM00000000012 XP_015749432.1 42.2 161
82 1 2 162 306 455 1.50E-20 109.8 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000000013 160734 139.4 UdeM00000000013 XP_042343012.1 37.5
200 117 3 34 233 33 224 9.10E-30 139.4 160734
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Serranoidae;Serranidae;Epinephelinae;Epinephelini;Plectropomus;Plectropomus leopardus

UdeM00000000014 6596 128.3 UdeM00000000014 XP_045175693.1 43.3 164
84 5 1 159 1004 1163 9.30E-27 128.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000015 59861 133.7 UdeM00000000015 XP_045075958.1 41.6 178
101 2 5 181 17 192 3.80E-28 133.7 59861 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Coregoninae;Coregonus;Coregonus clupeaformis

UdeM00000000016 5762 97.1 UdeM00000000016 XP_002670566.1 31.2 256
157 8 9 247 80 333 4.00E-17 97.1 5762 cellular

organisms;Eukaryota;Discoba;Heterolobosea;Tetramitida;Eutetramitida;Vahlkampfiidae;Naegleria;Naegleria gruberi

UdeM00000000018 7957 85.5 UdeM00000000018 XP_026100705.1 38.2 152
76 5 2 152 4 138 6.40E-14 85.5 7957 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Cyprininae;Carassius;Carassius auratus

UdeM00000000019 6565 221.9 UdeM00000000019 XP_022333382.1 55.6 178
78 1 1 178 189 365 6.70E-55 221.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000020 45351 85.1 UdeM00000000020 XP_001623471.2 30.7 205
111 5 10 194 12 205 1.10E-13 85.1 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000000021 6596 342.8 UdeM00000000021 XP_045177776.1 35.9 621
272 12 1 607 405 913 8.90E-91 342.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000022 307959 138.3 UdeM00000000022 XP_016405011.1 36.1
205 124 3 30 233 270 468 2.00E-29 138.3 307959
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Cyprininae;Sinocyclocheilus;Sinocyclocheilus rhinoceros

UdeM00000000023 225164 94.4 UdeM00000000023 XP_009059347.1 42.2
128 66 4 576 703 125 244 6.40E-16 94.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000000024 7574 136.3 UdeM00000000024 XP_013398822.1 54.6 108
49 0 36 143 56 163 3.60E-29 136.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000000025 46731 89 UdeM00000000025 XP_027057405.1 30.8 211
115 6 2 194 6 203 8.20E-15 89 46731 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopora damicornis

UdeM00000000027 40690 211.1 UdeM00000000027 XP_034006674.1 38.8 325
188 6 2 323 4 320 2.20E-51 211.1 40690 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Nototheniidae;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000000028 6596 148.7 UdeM00000000028 XP_045177695.1 50 154
75 2 3 155 195 347 6.60E-33 148.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000029 6596 160.2 UdeM00000000029 XP_045177776.1 38.4 263
144 5 1 252 405 660 3.40E-36 160.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000032 6596 89.7 UdeM00000000032 XP_045177533.1 40.3 119
68 1 2 117 342 460 1.60E-14 89.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000033 160734 139.4 UdeM000000000033 XP_042343012.1 37.5
200 117 3 34 233 33 224 9.10E-30 139.4 160734
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Serranoi
dei;Serranidae;Epinephelinae;Epinephelini;Plectropomus;Plectropomus
leopardus

UdeM000000000035 7574 136 UdeM000000000035 XP_013398822.1 54.6 108
49 0 36 143 56 163 4.70E-29 136 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM000000000036 6596 614 UdeM000000000036 XP_045178182.1 73.8 382
94 2 8 388 345 721 1.30E-172 614 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000000037 6596 999.2 UdeM000000000037 XP_045178182.1 73.1 636
161 3 11 645 95 721 2.40E-288 999.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000000038 6579 148.3 UdeM000000000038 XP_033732676.1 34.7 265
154 9 74 330 153 406 1.70E-32 148.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM000000000039 6596 267.7 UdeM000000000039 XP_045177778.1 40.4 403
220 7 61 451 397 791 2.70E-68 267.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000000041 160734 140.2 UdeM000000000041 XP_042343012.1 37.1
197 119 2 34 230 33 224 5.20E-30 140.2 160734

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Serranoi
dei;Serranidae;Epinephelinae;Epinephelini;Plectropomus;Plectropomus
leopardus

UdeM000000000042 225164 98.2 UdeM000000000042 XP_009059347.1 43
128 65 4 576 703 125 244 4.40E-17 98.2 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
Lottiidae;Lottia;Lottia gigantea

UdeM00000000043 7574 136.3 UdeM00000000043 XP_013398822.1 54.6 108
 49 0 36 143 56 163 3.60E-29 136.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000000044 46731 89 UdeM00000000044 XP_027057405.1 30.8 211
 115 6 2 194 6 203 8.20E-15 89 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000000045 6596 381.7 UdeM00000000045 XP_045177776.1 41.1 530
 290 8 1 518 405 924 1.60E-102 381.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000047 160734 140.2 UdeM00000000047 XP_042343012.1 37.1
 197 119 2 34 230 33 224 5.20E-30 140.2 160734
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Serranoi
 dei;Serranidae;Epinephelinae;Epinephelini;Plectropomus;Plectropomus
 leopardus
 UdeM00000000049 225164 99 UdeM00000000049 XP_009059347.1 43
 128 65 4 230 357 125 244 1.30E-17 99 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000000050 7574 134 UdeM00000000050 XP_013398822.1 53.7 108
 50 0 36 143 56 163 1.80E-28 134 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000000051 6596 866.7 UdeM00000000051 XP_045178182.1 74.6 544
 128 3 2 544 187 721 1.60E-248 866.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000052 6596 866.3 UdeM00000000052 XP_045178182.1 74.6 544
 128 3 2 544 187 721 2.10E-248 866.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000053 6573 205.3 UdeM00000000053 XP_021366122.1 54.2 201
 67 4 6 191 6 196 7.00E-50 205.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM000000000054 6579 470.3 UdeM000000000054 XP_033728575.1 45.9 547
 248 7 2 544 189 691 3.40E-129 470.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM000000000055 1735272 189.5 UdeM000000000055 XP_041355741.1 65.4
 133 46 0 1 133 1 133 2.90E-45 189.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM000000000056 6596 211.1 UdeM000000000056 XP_045179421.1 38.5 325
 162 7 37 324 94 417 2.40E-51 211.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000057 6573 355.5 UdeM000000000057 XP_021369175.1 48.6 348
 159 5 80 407 331 678 1.00E-94 355.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM000000000058 6579 181.8 UdeM000000000058 XP_033744293.1 32.3 334
 211 9 87 415 79 402 1.90E-42 181.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM000000000059 6596 139.4 UdeM000000000059 XP_045182313.1 43.9 157
 84 2 15 170 713 866 4.50E-30 139.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000000060 6565 723 UdeM000000000060 XP_022334994.1 47.6 808
 401 12 36 827 4 805 4.30E-205 723 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM000000000061 6565 104 UdeM000000000061 XP_022287303.1 29.8 178
 102 3 2 157 518 694 2.00E-19 104 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM000000000062 6579 814.3 UdeM000000000062 XP_033728194.1 49 890
 394 13 173 1019 124 996 1.80E-232 814.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM000000000063 6596 81.3 UdeM000000000063 XP_045177564.1 24.1 344
 196 12 2 299 187 511 2.40E-12 81.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000000064 7741 341.7 UdeM00000000064 XP_019618826.1 55.2 306
 136 1 14 318 176 481 1.80E-90 341.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000000065 6573 529.3 UdeM00000000065 XP_021370179.1 55.1 499
 183 8 33 523 54 519 5.80E-147 529.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000066 6596 110.5 UdeM00000000066 XP_045177988.1 48.4 95
 49 0 63 157 57 151 3.80E-21 110.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000067 6596 255.8 UdeM00000000067 XP_045177778.1 37 470
 257 14 21 472 397 845 1.20E-64 255.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000068 45351 84.7 UdeM00000000068 XP_001623471.2 35.3 150
 79 3 10 143 12 159 1.50E-13 84.7 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000000069 6573 230.3 UdeM00000000069 XP_021342563.1 52.8 267
 81 10 1 237 1056 1307 2.70E-57 230.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000070 6573 254.2 UdeM00000000070 XP_021342564.1 63.5 219
 56 6 1 197 1056 1272 1.50E-64 254.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000000071 6596 110.2 UdeM00000000071 XP_045177988.1 48.4 95
 49 0 50 144 57 151 5.00E-21 110.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000072 6596 323.6 UdeM00000000072 XP_045177776.1 39.8 493
 252 10 25 486 397 875 4.50E-85 323.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000000073 45351 85.5 UdeM00000000073 XP_001623471.2 35.3 150
 79 3 10 143 12 159 8.90E-14 85.5 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000000074 6596 110.9 UdeM00000000074 XP_045177988.1 48.4 95
 49 0 147 241 57 151 3.20E-21 110.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000075 6596 322.4 UdeM000000000075 XP_045177776.1 39.9 494
250 11 22 483 397 875 1.00E-84 322.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000076 45351 87 UdeM000000000076 XP_001623471.2 36 150
78 3 10 143 12 159 2.50E-14 87 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM000000000077 6573 105.5 UdeM000000000077 XP_021342563.1 46.6 148
68 4 6 152 1245 1382 6.40E-20 105.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM000000000078 6573 282.7 UdeM000000000078 XP_021366296.1 28.9 679
384 11 1 593 329 994 1.50E-72 282.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM000000000079 6579 192.6 UdeM000000000079 XP_033761570.1 33.5 328
193 6 1 321 383 692 1.30E-45 192.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM000000000080 6596 78.6 UdeM000000000080 XP_045177776.1 41.7 96
53 2 1 93 405 500 7.20E-12 78.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000081 6596 115.2 UdeM000000000081 XP_045177988.1 49.5 95
48 0 47 141 57 151 1.00E-22 115.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000000082 6573 186.4 UdeM000000000082 XP_021358159.1 36 303
181 7 1 293 361 660 5.50E-44 186.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM000000000086 29159 257.3 UdeM000000000086 XP_034319278.1 63.5 192
67 2 8 196 7 198 1.60E-65 257.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM000000000087 29159 117.1 UdeM000000000087 XP_011451530.1 49.5 105
52 1 5 108 90 194 1.40E-23 117.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM000000000088 6565 332.4 UdeM000000000088 XP_022287521.1 41.3 482
201 5 32 435 10 487 8.70E-88 332.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM000000000089 6573 63.2 UdeM000000000089 XP_021376724.1 36.2 94
45 1 14 92 490 583 5.50E-07 63.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM000000000090 6596 173.7 UdeM000000000090 XP_045185723.1 50.3 165
81 1 8 172 456 619 2.10E-40 173.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM000000000094 6596 217.6 UdeM000000000094 XP_045185723.1 47.2 231
120 2 7 237 455 683 3.30E-53 217.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM000000000095 29159 83.2 UdeM000000000095 XP_011434746.2 44 100
52 3 13 111 197 293 2.30E-13 83.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM000000000096 29159 84.7 UdeM000000000096 XP_011434746.2 45 100
51 3 54 152 197 293 1.10E-13 84.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM000000000097 6565 90.9 UdeM000000000097 XP_022287645.1 36.4 132
82 1 22 151 209 340 1.70E-15 90.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM000000000098 6596 290.8 UdeM000000000098 XP_045161133.1 58 243
44 2 1 185 1 243 1.30E-75 290.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM000000000102 6596 311.6 UdeM000000000102 XP_045161133.1 67.1 225
67 2 1 218 26 250 8.40E-82 311.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM000000000103 6596 389.8 UdeM000000000103 XP_045163375.1 72.9 240
65 0 8 247 338 577 2.60E-105 389.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000000104 29159 132.9 UdeM00000000104 XP_034303860.1 43.5 200
96 7 5 199 21 208 5.50E-28 132.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000105 29159 324.7 UdeM00000000105 XP_034303860.1 45.6 338
115 2 1 270 293 629 1.20E-85 324.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000106 29159 232.6 UdeM00000000106 XP_011451530.1 54.8 188
84 1 70 256 78 265 5.50E-58 232.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000000109 10224 90.5 UdeM00000000109 XP_002737779.1 61.9 63
24 0 51 113 404 466 1.90E-15 90.5 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000000110 6579 82.8 UdeM00000000110 XP_033754691.1 38.9 126
68 3 15 136 243 363 3.90E-13 82.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000111 6565 109.8 UdeM00000000111 XP_022320668.1 51.4 109
47 1 1 103 682 790 2.20E-21 109.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000000113 6573 250.8 UdeM00000000113 XP_021356047.1 43.9 337
158 7 48 368 2 323 2.80E-63 250.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000114 6573 492.7 UdeM00000000114 XP_021356043.1 36.8 1019
425 29 3 857 168 1131 9.80E-136 492.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000000115 6579 66.6 UdeM00000000115 XP_033725145.1 43.9 82
43 1 1 82 1 79 1.70E-08 66.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000000116 400727 238 UdeM00000000116 XP_025108466.1 38.3
426 206 10 1 392 140 542 2.00E-59 238 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000000118 37621 93.2 UdeM00000000118 XP_014670482.1 47.3 91
 41 2 1 88 64 150 2.10E-16 93.2 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000000119 400727 842 UdeM00000000119 XP_025090650.1 71.5
 571 137 3 19 585 66 614 4.50E-241 842 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000041110 6596 110.5 UdeM00000041110 XP_045179939.1 42.3 130
 72 2 21 147 251 380 1.80E-21 110.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041111 29159 194.1 UdeM00000041111 XP_034315421.1 51.9 206
 93 3 94 295 271 474 2.50E-46 194.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041113 29159 259.6 UdeM00000041113 XP_034318948.1 46.3 268
 142 1 1 266 686 953 4.30E-66 259.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041114 6596 123.2 UdeM00000041114 XP_045179939.1 46.2 130
 67 2 69 195 251 380 3.60E-25 123.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044336 1735272 104 UdeM00000044336 XP_041350837.1 28.5
 284 185 8 9 291 184 450 3.50E-19 104 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020680 6579 454.1 UdeM00000020680 XP_033728292.1 40.2 567
 331 5 18 580 23 585 2.60E-124 454.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020682 6596 320.1 UdeM00000020682 XP_045181515.1 52.9 308
 138 4 10 315 7 309 3.30E-84 320.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020683 6596 470.7 UdeM00000020683 XP_045181515.1 75.9 299
 67 2 17 313 15 310 1.50E-129 470.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020684 6596 129 UdeM00000020684 XP_045180345.1 33.9 186
 122 1 110 294 37 222 9.80E-27 129 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020685 6573 184.1 UdeM00000020685 XP_021353045.1 50 172
 81 1 1 167 53 224 1.50E-43 184.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020686 6573 238.4 UdeM00000020686 XP_021339366.1 45.1 266
 138 1 14 271 34 299 1.10E-59 238.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020687 6573 258.1 UdeM00000020687 XP_021339366.1 46.2 266
 135 1 14 271 34 299 1.30E-65 258.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020688 6573 255 UdeM00000020688 XP_021339366.1 46.7 261
 131 1 5 257 39 299 1.10E-64 255 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020689 6579 250 UdeM00000020689 XP_033735965.1 46.8 267
 141 1 7 273 3 268 3.60E-63 250 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020691 6573 260.8 UdeM00000020691 XP_021339366.1 47.7 266
 129 2 1 257 35 299 1.90E-66 260.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020690 6573 263.5 UdeM00000020690 XP_021339366.1 47.9 267
 129 2 14 271 34 299 3.10E-67 263.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020692 6573 58.2 UdeM00000020692 XP_021364275.1 43.3 60
 31 1 1 57 303 362 7.40E-06 58.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020693 6579 58.5 UdeM00000020693 XP_033727426.1 30.9 149
 60 3 48 153 56 204 8.90E-06 58.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020694 6596 387.5 UdeM00000020694 XP_045167481.1 51.1 354
 159 5 11 358 75 420 1.90E-104 387.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020695 6596 360.9 UdeM00000020695 XP_045181236.1 49 445
 202 8 13 447 16 445 2.30E-96 360.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020696 6596 548.1 UdeM00000020696 XP_045181059.1 70.7 441
 128 1 6 446 7 446 1.00E-152 548.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020697 6596 93.2 UdeM00000020697 XP_045182091.1 32.8 186
 106 4 1 183 1 170 5.10E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020698 6596 149.1 UdeM00000020698 XP_045194988.1 35.2 230
 128 5 461 685 626 839 2.20E-32 149.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020700 29159 282.3 UdeM00000020700 XP_034313418.1 38.3 446
 247 14 60 496 5012 5438 1.20E-72 282.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020701 6596 234.2 UdeM00000020701 XP_045194988.1 26.4 702
 370 16 113 701 626 1293 5.10E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020702 6573 84 UdeM00000020702 XP_021356201.1 45.1 91
 49 1 155 244 4508 4598 3.10E-13 84 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020703 6573 84 UdeM00000020703 XP_021356201.1 45.1 91
 49 1 11 100 4508 4598 1.40E-13 84 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020705 6596 209.1 UdeM00000020705 XP_045206084.1 30.7 466
 301 15 4 455 221 678 1.20E-50 209.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020706 6596 86.7 UdeM00000020706 XP_045206084.1 40 125
70 3 71 194 59 179 3.70E-14 86.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020707 6596 156 UdeM00000020707 XP_045206084.1 33.2 277
176 7 66 338 42 313 1.40E-34 156 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020708 6573 156.8 UdeM00000020708 XP_021380250.1 26.6 413
275 13 3 395 226 630 6.00E-35 156.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020709 6596 165.2 UdeM00000020709 XP_045177112.1 28.5 484
260 18 8 439 243 692 1.90E-37 165.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020710 6596 357.1 UdeM00000020710 XP_045206084.1 31.9 683
416 17 93 747 79 740 6.70E-95 357.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020711 6596 270.4 UdeM00000020711 XP_045206084.1 27.3 725
426 19 93 752 79 767 7.30E-69 270.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020714 29159 76.3 UdeM00000020714 XP_034305887.1 27.6 192
113 5 28 209 34 209 5.90E-11 76.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020715 1735272 73.2 UdeM00000020715 XP_041360231.1 30.9
136 90 2 31 162 21 156 5.00E-10 73.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020716 6596 73.2 UdeM00000020716 XP_045178426.1 27.3 183
117 5 31 200 14 193 5.00E-10 73.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020717 1735272 70.9 UdeM00000020717 XP_041360231.1 30.9
136 90 2 31 162 21 156 2.50E-09 70.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020718 6596 72.4 UdeM00000020718 XP_045178426.1 27.3 183
117 5 31 200 14 193 8.60E-10 72.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020719 6596 756.5 UdeM00000020719 XP_045206307.1 50.4 809
292 8 1 711 1 798 3.00E-215 756.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020720 1735272 73.2 UdeM00000020720 XP_041360231.1 27.3
187 123 4 30 211 14 192 5.00E-10 73.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020721 1735272 72.8 UdeM00000020721 XP_041360231.1 27.2
191 126 4 19 204 10 192 6.30E-10 72.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020722 6596 327 UdeM00000020722 XP_045189153.1 52.6 329
147 3 2 324 31 356 3.40E-86 327 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020723 6596 369.4 UdeM00000020723 XP_045192157.1 68.3 271
82 3 1 268 1 270 3.90E-99 369.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020724 6596 158.7 UdeM00000020724 XP_045181462.1 48.7 152
77 1 17 167 29 180 6.70E-36 158.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020725 6596 162.9 UdeM00000020725 XP_045206055.1 26.8 526
300 20 127 622 77 547 1.70E-36 162.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020726 29159 400.2 UdeM00000020726 XP_034317562.1 22.3 2021
 1144 66 262 2138 26 1763 1.70E-107 400.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020727 6596 326.6 UdeM00000020727 XP_045206084.1 30.1 801
 414 21 306 973 78 865 2.50E-85 326.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020728 7741 320.5 UdeM00000020728 XP_019618826.1 46.1 382
 164 4 2 343 153 532 4.00E-84 320.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000020729 6596 431.8 UdeM00000020729 XP_045206084.1 31.8 929
 591 26 859 1763 79 988 4.20E-117 431.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020730 6596 431.8 UdeM00000020730 XP_045206084.1 31.8 929
 591 26 770 1674 79 988 4.00E-117 431.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020731 6596 253.1 UdeM00000020731 XP_045206084.1 31 549
 356 14 2 535 197 737 8.50E-64 253.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020732 7654 103.2 UdeM00000020732 XP_041463763.1 45.1 153
 66 5 2 136 882 1034 4.70E-19 103.2 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000020733 1735272 91.7 UdeM00000020733 XP_041355514.1 31.4
 153 94 4 166 309 716 866 1.80E-15 91.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020734 6596 115.9 UdeM00000020734 XP_045206084.1 31.8 255
 162 8 1 245 270 522 7.60E-23 115.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020735 29159 108.6 UdeM00000020735 XP_011430016.2 24.3 503
 274 19 25 505 70 487 2.30E-20 108.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020737 6596 423.3 UdeM00000020737 XP_045206084.1 30.1 891
 581 20 1 869 118 988 7.50E-115 423.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020736 6596 439.1 UdeM00000020736 XP_045206084.1 30.1 930
 607 21 126 1032 79 988 1.60E-119 439.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020738 6596 178.7 UdeM00000020738 XP_045206084.1 30.7 361
 234 8 28 377 179 534 1.40E-41 178.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020739 29159 136 UdeM00000020739 XP_034317567.1 29.7 310
 194 6 1 301 645 939 1.20E-28 136 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020740 6596 271.9 UdeM00000020740 XP_045206084.1 30.9 517
 337 11 13 516 160 669 1.60E-69 271.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020741 6565 463 UdeM00000020741 XP_022325426.1 23.3 1749
 1079 45 80 1788 109 1634 2.70E-126 463 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020742 6596 447.2 UdeM00000020742 XP_045206084.1 31.8 931
 583 22 41 940 79 988 1.00E-121 447.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020743 6596 426 UdeM00000020743 XP_045206084.1 30.7 929
 559 21 41 905 79 986 2.30E-115 426 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020744 6596 84 UdeM00000020744 XP_045175289.1 50.7 67
 33 0 147 213 662 728 3.20E-13 84 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020745 29159 460.3 UdeM00000020745 XP_034301372.1 46.9 499
236 5 11 509 25 494 3.40E-126 460.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020746 260995 458.8 UdeM00000020746 XP_033816253.1 43.7
467 261 2 345 810 422 887 1.50E-125 458.8 260995
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini

UdeM00000020747 6596 108.6 UdeM00000020747 XP_045182045.1 67.4 89
29 0 1 89 32 120 5.50E-21 108.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020748 6596 176.8 UdeM00000020748 XP_045182157.1 46.7 195
104 0 19 213 29 223 3.10E-41 176.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020750 6573 239.2 UdeM00000020750 XP_021371940.1 36.8 424
178 7 53 392 115 532 9.00E-60 239.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020751 6596 308.5 UdeM00000020751 XP_045189153.1 43.5 439
148 7 1 343 20 454 1.20E-80 308.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020753 6596 171 UdeM00000020753 XP_045182057.1 54.1 148
68 0 11 158 16 163 1.20E-39 171 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020755 6573 67 UdeM00000020755 XP_021346189.1 56.1 57
25 0 1 57 22 78 1.80E-08 67 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020756 6573 216.5 UdeM00000020756 XP_021346189.1 55.6 189
78 2 1 187 22 206 3.00E-53 216.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020757 6573 216.5 UdeM00000020757 XP_021346189.1 55.6 189
 78 2 1 187 22 206 3.00E-53 216.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020758 6573 69.7 UdeM00000020758 XP_021346189.1 57.9 57
 24 0 1 57 22 78 2.80E-09 69.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020759 6579 144.1 UdeM00000020759 XP_033757725.1 50 152
 47 2 2 124 51 202 1.40E-31 144.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020760 6596 77.4 UdeM00000020760 XP_045189153.1 39.8 128
 70 3 1 128 250 370 1.60E-11 77.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020762 1735272 80.5 UdeM00000020762 XP_041368912.1 40.4
 114 60 2 1 112 236 343 1.70E-12 80.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020761 6596 77.4 UdeM00000020761 XP_045189153.1 39.8 128
 70 3 1 128 250 370 1.60E-11 77.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020763 6596 92.8 UdeM00000020763 XP_045201099.1 30.8 227
 74 6 1 144 1 227 4.20E-16 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020765 6596 111.3 UdeM00000020765 XP_045189153.1 57 93
 40 0 9 101 204 296 1.80E-21 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020766 1735272 379 UdeM00000020766 XP_041361132.1 59.2
 299 122 0 14 312 12 310 6.20E-102 379 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020767 6573 365.2 UdeM00000020767 XP_021354397.1 75.8 240
 58 0 4 243 6 245 6.70E-98 365.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020768 6596 398.3 UdeM00000020768 XP_045181195.1 41.8 553
251 11 59 608 88 572 1.80E-107 398.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020769 6596 275 UdeM00000020769 XP_045206084.1 30.8 603
362 16 740 1297 78 670 4.80E-70 275 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020770 6596 315.8 UdeM00000020770 XP_045206084.1 31.3 675
403 18 740 1365 78 740 2.60E-82 315.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000044429 6596 107.8 UdeM00000044429 XP_045184054.1 31.1 228
148 5 77 299 78 301 2.40E-20 107.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000044430 6579 225.3 UdeM00000044430 XP_033746771.1 38.6 311
169 6 1 295 561 865 1.00E-55 225.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000044389 6596 331.6 UdeM00000044389 XP_045157311.1 32.1 691
420 14 6 656 5 686 2.20E-87 331.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000044390 6596 83.2 UdeM00000044390 XP_045173729.1 41.2 97
54 2 8 104 84 177 2.50E-13 83.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000029587 7741 280.4 UdeM00000029587 XP_019622111.1 50.7 280
135 3 39 317 1 278 2.80E-72 280.4 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
UdeM00000029588 6573 203.4 UdeM00000029588 XP_021372813.1 54.2 225
98 4 9 228 31 255 3.20E-49 203.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029589 1735272 140.2 UdeM00000029589 XP_041371965.1 45.7
 184 91 3 46 220 61 244 3.50E-30 140.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029590 6573 246.1 UdeM00000029590 XP_021362498.1 39.1 343
 155 3 1 336 104 399 6.30E-62 246.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029591 6579 147.1 UdeM00000029591 XP_033724821.1 36.5 266
 105 5 6 209 437 700 2.70E-32 147.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029592 6579 149.4 UdeM00000029592 XP_033724860.1 27.6 399
 160 6 3 312 723 1081 8.40E-33 149.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029593 6579 476.1 UdeM00000029593 XP_033724854.1 38.5 722
 373 11 37 695 61 774 7.80E-131 476.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029594 6579 474.6 UdeM00000029594 XP_033724854.1 38.5 722
 374 11 37 696 61 774 2.30E-130 474.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029595 6579 307 UdeM00000029595 XP_033724844.1 42.1 442
 225 7 64 478 883 1320 4.30E-80 307 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029596 6596 184.1 UdeM00000029596 XP_045214067.1 31.8 308
 201 5 55 355 118 423 3.30E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029597 6596 429.5 UdeM00000029597 XP_045194243.1 34.4 768
 353 17 36 658 8 769 7.80E-117 429.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029598 6596 186.8 UdeM00000029598 XP_045214067.1 32.5 308
 199 5 17 317 118 423 4.60E-44 186.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029599 1437191 132.5 UdeM00000029599 XP_029054816.1 44
 134 74 1 5 137 330 463 4.10E-28 132.5 1437191
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia bicornis;Osmia
 bicornis bicornis
 UdeM00000029600 6596 187.6 UdeM00000029600 XP_045214067.1 32.1 308
 200 5 55 355 118 423 3.00E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029602 1735272 78.2 UdeM00000029602 XP_041371698.1 48.2
 83 42 1 2 83 34 116 6.10E-12 78.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029603 6526 1126.3 UdeM00000029603 XP_013082114.1 86.9
 657 78 1 1 657 1 649 0.00E+00 1126.3 6526
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000029605 29159 92 UdeM00000029605 XP_034307341.1 33.7 166
 95 3 52 203 59 223 1.40E-15 92 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029606 6573 1376.3 UdeM00000029606 XP_021360010.1 86.2
 819 94 4 1 812 1 807 0.00E+00 1376.3 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029607 6573 79 UdeM00000029607 XP_021340996.1 45.1 82
 43 1 20 101 888 967 4.50E-12 79 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029608 6573 254.6 UdeM00000029608 XP_021373930.1 71.7 191
 53 1 1 191 1 190 1.00E-64 254.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029609 6579 230.3 UdeM00000029609 XP_033732899.1 56.2 242
 51 2 1 242 1 187 2.60E-57 230.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029610 6596 201.1 UdeM00000029610 XP_045207459.1 37 441
 214 14 1 430 66 453 3.20E-48 201.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029611 6573 228.8 UdeM00000029611 XP_021345096.1 45 502
 231 9 17 493 73 554 1.50E-56 228.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029613 6565 282.7 UdeM00000029613 XP_022308193.1 47.3 298
 146 4 10 305 6 294 5.60E-73 282.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029614 6565 302 UdeM00000029614 XP_022308193.1 59.7 231
 90 2 1 231 329 556 6.70E-79 302 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029615 6596 959.9 UdeM00000029615 XP_045208192.1 76 653
 133 2 1 629 1 653 1.60E-276 959.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029616 6596 384.4 UdeM00000029616 XP_045208194.1 33.5 792
 452 14 23 761 27 796 3.30E-103 384.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029617 6596 498.8 UdeM00000029617 XP_045208192.1 60.1 486
 189 4 20 504 654 1135 1.30E-137 498.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029618 6573 611.7 UdeM00000029618 XP_021341683.1 66.3 427
 144 0 3 429 9 435 7.40E-172 611.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029619 6565 1164.1 UdeM00000029619 XP_022323498.1 63.5
 936 330 7 1 930 30 959 0.00E+00 1164.1 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029620 1735272 260.4 UdeM00000029620 XP_041371786.1 44.7
 264 146 0 41 304 32 295 2.90E-66 260.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000029621	8005	191.8	UdeM00000029621	XP_026877702.2	51.4	175
82	2	1	172	307	481	7.20E-46

191.8 8005 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti-
 nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce-
 phala; Otomorpha; Ostariophysi; Otophysi; Characiphysae; Gymnotiformes; Gymnoto-
 idei; Gymnotidae; Electrophorus; Electrophorus electricus

UdeM00000029622	6596	143.3	UdeM00000029622	XP_045208835.1	46.9	143
61	3	31	160	1627	1767	2.80E-31

143.3 6596 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000029623	6596	1330.5	UdeM00000029623	XP_045157300.1	39.6	
1838	983	39	573	2355	8	1773 0.00E+00

1330.5 6596 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000029624	6596	1116.7	UdeM00000029624	XP_045207645.1	31.4	
2259	1130	45	621	2505	1	2214 0.00E+00

1116.7 6596 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000029625	6596	1164.4	UdeM00000029625	XP_045189898.1	34	
1983	1024	40	55	1830	285	2190 0.00E+00

1164.4 6596 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000029626	6596	72.4	UdeM00000029626	XP_045207642.1	25	288
205	4	5	284	731	1015	1.10E-09

72.4 6596 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000029627	6596	81.6	UdeM00000029627	XP_045209928.1	29.6	169
112	4	1	167	1	164	1.10E-12

81.6 6596 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000029628	6596	424.1	UdeM00000029628	XP_045207788.1	76	283
66	1	18	298	571	853	1.50E-115

424.1 6596 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000029629 6596 337 UdeM00000029629 XP_045207787.1 43 449
 237 4 1 441 1 438 3.60E-89 337 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029630 6579 332 UdeM00000029630 XP_033725828.1 56 284
 123 1 1 282 1 284 8.80E-88 332 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029631 6573 243 UdeM00000029631 XP_021342710.1 44 293
 146 4 1 289 1 279 5.50E-61 243 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029632 6573 99.8 UdeM00000029632 XP_021377039.1 53.2 139
 64 1 1 139 1 138 3.10E-18 99.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029633 6573 838.6 UdeM00000029633 XP_021377069.1 67.8 646
 174 6 1 645 1 613 5.40E-240 838.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029634 6573 841.3 UdeM00000029634 XP_021377060.1 67.5 662
 175 9 1 655 1 629 8.50E-241 841.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029635 6596 1080.9 UdeM00000029635 XP_045209059.1 77.3
 749 162 4 1 749 1 741 0.00E+00 1080.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029636 6500 184.9 UdeM00000029636 XP_005101692.1 68.2 157
 44 3 1 154 1 154 7.80E-44 184.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000029637 400727 273.1 UdeM00000029637 XP_025083308.1 63.5
 211 74 2 1 210 1 209 4.40E-70 273.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000029638 6596 312 UdeM00000029638 XP_045177776.1 36.3 542
 326 9 1 534 405 935 1.90E-81 312 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029639	6596	1291.6	UdeM00000029639	XP_045157300.1	37.6				
1893	1019	39	25	1882	8	1773	0.00E+00	1291.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029640	6596	1313.5	UdeM00000029640	XP_045157300.1	37.5				
1893	1026	38	277	2139	8	1773	0.00E+00	1313.5	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029642	29159	220.7	UdeM00000029642	XP_034339165.1	38	334			
193	8	1	331	186	508	2.80E-54	220.7	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029643	29159	496.1	UdeM00000029643	XP_034299474.1	42.5	635			
347	9	37	664	132	755	6.80E-137	496.1	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029644	29159	220.7	UdeM00000029644	XP_034339165.1	38	334			
193	8	1	331	186	508	2.80E-54	220.7	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029645	29159	499.6	UdeM00000029645	XP_034299474.1	43.4	610			
329	8	94	696	155	755	6.50E-138	499.6	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029646	6596	1358.6	UdeM00000029646	XP_045207645.1	37.4				
2261	1326	47	4379	6600	6	2215	0.00E+00	1358.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029647	6596	1358.6	UdeM00000029647	XP_045207645.1	37.4				
2261	1326	47	4401	6622	6	2215	0.00E+00	1358.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029648	6596	1002.7	UdeM00000029648	XP_045193379.1	35.1				
2004	1170	58	11930	13855	20	1971	4.70E-288	1002.7	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029649 6596 270 UdeM00000029649 XP_045208412.1 41.2 340
191 4 8 340 11 348 4.10E-69 270 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029650 6596 279.3 UdeM00000029650 XP_045208040.1 57.1 287
92 7 8 271 14 292 6.10E-72 279.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029651 6596 282.3 UdeM00000029651 XP_045208040.1 56.8 287
95 6 8 273 14 292 7.30E-73 282.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029652 6596 155.2 UdeM00000029652 XP_045208666.1 40.5 262
127 7 1 243 1 252 1.20E-34 155.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029654 400727 60.1 UdeM00000029654 XP_025084899.1 30.7
137 85 5 118 245 59 194 7.40E-06 60.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000029655 6565 66.6 UdeM00000029655 XP_022286845.1 25.7 245
139 11 9 215 1854 2093 1.10E-07 66.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000029657 6105 69.7 UdeM00000029657 XP_031561609.1 29 155
100 5 111 259 1513 1663 6.70E-09 69.7 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000029658 400727 71.2 UdeM00000029658 XP_025084899.1 29.3
150 93 4 15 151 59 208 1.30E-09 71.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000029659 400727 70.1 UdeM00000029659 XP_025084899.1 28
186 117 7 34 205 59 241 7.70E-09 70.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000029660 29159 67 UdeM00000029660 XP_034333290.1 24.1 291
 166 11 14 255 1873 2157 6.20E-08 67 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029666 6596 70.1 UdeM00000029666 XP_045198564.1 27 189
 123 6 5 189 72 249 7.80E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029668 6596 398.3 UdeM00000029668 XP_045208418.1 58.6 331
 135 2 62 391 91 420 1.10E-107 398.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029669 6596 367.5 UdeM00000029669 XP_045200044.1 50.4 343
 169 1 95 436 57 399 2.40E-98 367.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029670 6596 385.6 UdeM00000029670 XP_045200044.1 51.9 343
 164 1 46 387 57 399 7.60E-104 385.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029671 6596 333.6 UdeM00000029671 XP_045207921.1 42.3 371
 207 5 105 470 101 469 4.30E-88 333.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029672 6596 345.1 UdeM00000029672 XP_045209815.1 29.4 1221
 657 33 11 1168 21 1099 3.40E-91 345.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029673 29159 322 UdeM00000029673 XP_034329602.1 69.4 242
 68 2 14 254 1 237 6.80E-85 322 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029674 29159 322 UdeM00000029674 XP_034329602.1 69.4 242
 68 2 13 253 1 237 6.70E-85 322 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029675 6573 567.4 UdeM00000029675 XP_021347556.1 30.6 1674
 890 44 1 1555 24 1545 5.70E-158 567.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000029676 1735272 159.8 UdeM00000029676 XP_041371878.1 51.8
141 68 0 18 158 8 148 2.80E-36 159.8 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000029677 6573 160.2 UdeM00000029677 XP_021373576.1 50.7 150
73 1 1 149 1 150 2.00E-36 160.2 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000029678 29159 469.2 UdeM00000029678 XP_034337896.1 61.1 360
139 1 5 364 19 377 6.00E-129 469.2 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000029679 6573 655.6 UdeM00000029679 XP_021342009.1 36.2 1269
532 31 119 1319 316 1374 1.30E-184 655.6 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000029680 29159 761.9 UdeM00000029680 XP_011413945.2 74.1 521
134 1 9 528 9 529 5.30E-217 761.9 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000029681 77115 362.8 UdeM00000029681 XP_038133904.1 61.4 272
103 1 9 280 11 280 3.80E-97 362.8 77115 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeccephala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Atherinomorphae; Cyprinodontiformes; Cyprinodontoides; Cyprinodontidae; Cyprinodontinae; Cyprinodontini; Cyprinodon; Cyprinodon tularosa
UdeM00000029682 1250792 95.9 UdeM00000029682 XP_041861569.1 57.5
73 31 0 2 74 595 667 2.30E-17 95.9 1250792
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeccephala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Atherinomorphae; Atheriniformes; Melanotaeniidae; Melanotaenia; Melanotaenia boesemani
UdeM00000029683 1676925 183.3 UdeM00000029683 XP_023656880.1 40.2
234 129 3 32 262 272 497 4.00E-43 183.3 1676925
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Osteoglossocephala; Osteoglossomorpha; Osteoglossiformes; Mormyridae; Paramormyrops; Paramormyrops kingsleyae

UdeM00000029684 6596 171 UdeM00000029684 XP_045208508.1 37.7 276
 148 8 1 268 102 361 2.60E-39 171 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029685 6573 363.6 UdeM00000029685 XP_021367265.1 55.7 316
 135 2 16 331 100 410 2.60E-97 363.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029687 1415580 91.3 UdeM00000029687 XP_030064917.1 62.2
 74 27 1 6 78 361 434 6.00E-16 91.3 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor

UdeM00000029688 7936 69.3 UdeM00000029688 XP_035253181.1 32.2 174
 63 2 1 119 236 409 3.90E-09 69.3 7936 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Anguilliformes;Anguillidae;Anguilla;Anguilla anguilla

UdeM00000029689 6596 477.6 UdeM00000029689 XP_045189051.1 65.6 381
 127 2 18 398 3 379 2.00E-131 477.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029690 6579 380.2 UdeM00000029690 XP_033731871.1 79.7 232
 47 0 1 232 1 232 1.90E-102 380.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029691 6596 2083.1 UdeM00000029691 XP_045209582.1 78
 1315 287 2 7 1319 9 1323 0.00E+00 2083.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029692 6596 139 UdeM00000029692 XP_045208758.1 34 335
 203 10 249 575 546 870 1.80E-29 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000029698 151771 110.9 UdeM00000029698 XP_028419060.1 43.6
 133 68 2 107 232 23 155 2.20E-21 110.9 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000029699 151771 106.7 UdeM00000029699 XP_028406397.1 50.9
 108 51 2 250 356 27 133 6.30E-20 106.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029700 151771 102.4 UdeM00000029700 XP_028406397.1 48.1
 108 54 2 231 337 27 133 1.10E-18 102.4 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029701 151771 66.2 UdeM00000029701 XP_028393191.1 35.8
 109 49 3 248 335 23 131 8.90E-08 66.2 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029702 151771 90.1 UdeM00000029702 XP_028393191.1 43.9
 98 55 0 1 98 34 131 1.70E-15 90.1 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029703 151771 75.1 UdeM00000029703 XP_028406402.1 45.6
 90 48 1 224 312 36 125 1.80E-10 75.1 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029704 151771 104.4 UdeM00000029704 XP_028406397.1 49.1
 108 53 2 250 356 27 133 3.10E-19 104.4 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029707 181472 112.1 UdeM00000029707 XP_029958384.1 55.8
 86 38 0 32 117 97 182 5.10E-22 112.1 181472
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniiformes;Blen
 niiformes;Blennioidei;Blenniidae;Salariinae;Salaris;Salaris fasciatus
 UdeM00000029708 151771 100.9 UdeM00000029708 XP_028406387.1 51.4
 109 51 2 256 363 25 132 3.50E-18 100.9 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000029709 225164 161 UdeM00000029709 XP_009052867.1 38.2
 217 123 1 67 283 17 222 2.30E-36 161 225164
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000029710 6596 873.2 UdeM00000029710 XP_045207986.1 66.3 646
214 4 1 644 18 661 2.00E-250 873.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029711 6596 583.2 UdeM00000029711 XP_045210182.1 59 527
203 7 53 577 3 518 3.70E-163 583.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029712 6579 166 UdeM00000029712 XP_033733350.1 58.2 153
62 1 18 168 372 524 4.10E-38 166 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036946 6573 649.4 UdeM00000036946 XP_021349258.1 48.9 964
484 6 719 1677 747 1706 1.20E-182 649.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036947 6596 136.7 UdeM00000036947 XP_045199138.1 47 132
68 1 3 132 28 159 2.50E-29 136.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036948 6565 99 UdeM00000036948 XP_022295634.1 25.5 420
249 10 1 405 28 398 1.60E-17 99 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036949 7574 101.3 UdeM00000036949 XP_013401097.1 52.8 89
42 0 1 89 726 814 8.60E-19 101.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036950 6565 76.6 UdeM00000036950 XP_022288562.1 46.4 84
45 0 1 84 73 156 1.80E-11 76.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036951 6573 346.7 UdeM00000036951 XP_021349259.1 44 495
211 11 1 433 1 491 4.40E-92 346.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036952 6596 506.1 UdeM00000036952 XP_045161383.1 53.1 475
215 4 1 470 1 472 4.70E-140 506.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036953 6596 361.3 UdeM00000036953 XP_045198179.1 33.5 660
387 11 40 657 429 1078 2.60E-96 361.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036954 6596 359.8 UdeM00000036954 XP_045156280.1 55.7 325
140 3 1 324 389 710 3.80E-96 359.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036955 6573 361.7 UdeM00000036955 XP_021349151.1 52.9 333
154 2 2 334 30 359 1.00E-96 361.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036956 6573 391.7 UdeM00000036956 XP_021349151.1 52.6 361
168 2 5 365 2 359 1.00E-105 391.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036961 6573 329.7 UdeM00000036961 XP_021349259.1 43.2 484
209 11 12 433 12 491 5.60E-87 329.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036962 6596 525 UdeM00000036962 XP_045161383.1 55.2 475
207 4 1 472 1 472 9.80E-146 525 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036963 6596 360.1 UdeM00000036963 XP_045198179.1 33.5 660
387 11 40 657 429 1078 5.80E-96 360.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036964 6596 434.5 UdeM00000036964 XP_045156280.1 54.5 411
181 5 1 408 389 796 1.50E-118 434.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036965 6573 361.7 UdeM00000036965 XP_021349151.1 52.9 333
154 2 2 334 30 359 1.00E-96 361.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036966 6573 391.7 UdeM00000036966 XP_021349151.1 52.6 361
 168 2 5 365 2 359 1.00E-105 391.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036970 6573 329.7 UdeM00000036970 XP_021349259.1 43.2 484
 209 11 12 433 12 491 5.60E-87 329.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036971 6596 506.9 UdeM00000036971 XP_045161383.1 53.3 475
 214 4 1 470 1 472 2.70E-140 506.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036974 6573 628.2 UdeM00000036974 XP_021355379.1 69.3 453
 133 4 69 516 68 519 9.00E-177 628.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036975 6565 2061.6 UdeM00000036975 XP_022292711.1 72.3
 1968 514 11 42 1984 22 1982 0.00E+00 2061.6 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036976 6565 2057.3 UdeM00000036976 XP_022292711.1 72.7
 1979 515 11 42 2012 22 1982 0.00E+00 2057.3 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036977 6596 811.6 UdeM00000036977 XP_045197415.1 69.4 571
 162 7 1 563 38 603 6.20E-232 811.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036978 29159 73.9 UdeM00000036978 XP_034335595.1 28.9 166
 109 4 2 166 421 578 2.10E-10 73.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036979 6596 117.1 UdeM00000036979 XP_045186528.1 52.8 106
 46 1 2 107 414 515 1.90E-23 117.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036980 6596 201.1 UdeM00000036980 XP_045196404.1 29.7 424
 243 8 5 411 403 788 2.80E-48 201.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036981 6596 196.8 UdeM00000036981 XP_045196404.1 31.6 377
 233 8 96 458 402 767 5.90E-47 196.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036982 6596 213.8 UdeM00000036982 XP_045196404.1 31.7 398
 247 8 96 479 402 788 4.90E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036983 6596 153.3 UdeM00000036983 XP_045196868.1 32.7 315
 189 7 14 324 165 460 5.30E-34 153.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036985 6596 200.7 UdeM00000036985 XP_045196868.1 31.2 439
 219 10 130 561 159 521 5.00E-48 200.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036986 6596 201.1 UdeM00000036986 XP_045196868.1 31 439
 222 9 130 563 159 521 3.90E-48 201.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036987 6596 168.7 UdeM00000036987 XP_045196865.1 33.4 347
 205 9 198 537 126 453 2.10E-38 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036990 29159 275 UdeM00000036990 XP_034317976.1 55.3 237
 102 3 113 345 425 661 1.30E-70 275 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036990 29159 68.9 UdeM00000036990 XP_034317976.1 39.2 120
 62 4 2 113 10 126 1.40E-08 68.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036991 6596 151 UdeM00000036991 XP_045196865.1 31.1 312
 161 5 3 312 266 525 2.50E-33 151 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036992 29159 98.2 UdeM00000036992 XP_019930846.2 46.1 102
 53 1 25 126 384 483 7.90E-18 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036993 29159 101.7 UdeM00000036993 XP_034304667.1 38.2 136
 82 1 5 138 4 139 8.10E-19 101.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036994 6596 105.5 UdeM00000036994 XP_045196865.1 47.1 104
 52 1 6 109 266 366 4.80E-20 105.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036995 29159 160.2 UdeM00000036995 XP_034317976.1 46.1 178
 61 2 1 143 484 661 2.00E-36 160.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036996 29159 99.8 UdeM00000036996 XP_019930846.2 47.1 102
 52 1 25 126 384 483 2.70E-18 99.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036997 29159 104.8 UdeM00000036997 XP_034304667.1 39 136
 81 1 5 138 4 139 9.50E-20 104.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036998 6596 139 UdeM00000036998 XP_045196865.1 30.1 296
 156 4 4 297 279 525 9.50E-30 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036999 29159 140.2 UdeM00000036999 XP_034315725.1 47.3 167
 49 2 1 130 502 666 2.50E-30 140.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037000 6596 147.5 UdeM00000037000 XP_045196865.1 31.5 298
 151 4 18 312 278 525 2.80E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037001 6596 380.9 UdeM00000037001 XP_045205205.1 40 470
 272 2 8 477 10 469 2.60E-102 380.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037002 6596 156 UdeM00000037002 XP_045205205.1 25.6 449
 175 4 5 299 26 469 9.00E-35 156 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037004 6596 382.9 UdeM00000037004 XP_045205205.1 40 470
 272 2 8 477 10 469 6.90E-103 382.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037005 7741 352.1 UdeM00000037005 XP_019628322.1 38.7 507
 294 11 34 535 25 519 1.30E-93 352.1 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000037007 6596 380.2 UdeM00000037007 XP_045205205.1 39.9 469
 277 1 5 473 7 470 4.40E-102 380.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037008 6596 204.1 UdeM00000037008 XP_045196404.1 31.2 410
 233 7 243 642 413 783 5.70E-49 204.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037009 6596 157.5 UdeM00000037009 XP_045196404.1 29.1 385
 221 8 243 617 413 755 5.40E-35 157.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037010 6596 160.6 UdeM00000037010 XP_045196404.1 32 300
 162 4 243 535 413 677 5.90E-36 160.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037011 72036 67.4 UdeM00000037011 XP_040576246.1 30.9 149
 74 2 1 120 1 149 1.80E-08 67.4 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000037013 6596 195.3 UdeM00000037013 XP_045196404.1 29.4 428
 240 7 228 634 403 789 2.40E-46 195.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037014 6596 124 UdeM00000037014 XP_045195117.1 47.1 172
 85 3 8 176 591 759 1.90E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037015 6596 139 UdeM00000037015 XP_045195117.1 42.2 232
 111 4 1 212 531 759 6.90E-30 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037016 6596 327.4 UdeM00000037016 XP_045195117.1 59.4 318
 128 1 33 350 150 466 2.40E-86 327.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037017 6596 123.6 UdeM00000037017 XP_045195117.1 49.7 149
 72 3 1 147 1 148 2.10E-25 123.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037019 6596 210.3 UdeM00000037019 XP_045180489.1 32 425
 236 12 212 631 252 628 7.10E-51 210.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037021 6596 593.6 UdeM00000037021 XP_045195117.1 49.9 768
 371 9 38 800 1 759 3.80E-166 593.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037022 6596 362.1 UdeM00000037022 XP_045195118.1 54.9 306
 138 0 1 306 2 307 7.10E-97 362.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037023 6596 1302.3 UdeM00000037023 XP_045198263.1 68.7
 973 283 8 2 961 2882 3845 0.00E+00 1302.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037024 6596 672.2 UdeM00000037024 XP_045198263.1 54.4 664
 251 7 6 630 2232 2882 6.60E-190 672.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037025 6596 114 UdeM00000037025 XP_045198263.1 35.6 202
 120 4 58 249 2032 2233 2.70E-22 114 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037026 6596 942.6 UdeM00000037026 XP_045198263.1 49.4 1067
 437 8 4 1043 998 1988 4.70E-271 942.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037027 1735272 652.9 UdeM00000037027 XP_041352152.1 59
 586 238 2 22 606 319 903 4.20E-184 652.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000037028 6596 283.5 UdeM00000037028 XP_045198263.1 80.4 168
 32 1 31 197 208 375 2.40E-73 283.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037029 6596 91.3 UdeM00000037029 XP_045198263.1 74.2 62
 12 1 21 78 118 179 6.80E-16 91.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037030 61621 327.8 UdeM00000037030 XP_017733777.1 92.8 180
 10 1 1 177 1 180 8.70E-87 327.8 61621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Cattarri
 ni;Cercopithecoidea;Cercopithecidae;Colobinae;Rhinopithecus;Rhinopithecus
 bieti
 UdeM00000037031 10224 92.8 UdeM00000037031 XP_006813844.1 47.8 90
 46 1 13 101 265 354 3.00E-16 92.8 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000037035 218467 86.3 UdeM00000037035 XP_023232316.1 37.7
 122 75 1 26 146 64 185 6.90E-14 86.3 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000037036 10224 137.5 UdeM00000037036 XP_006821756.1 72.6 84
 23 0 30 113 114 197 1.10E-29 137.5 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii

UdeM00000037037 6579 103.2 UdeM00000037037 XP_033727551.1 30.3 231
138 6 3 215 36 261 6.20E-19 103.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000037038 37653 220.3 UdeM00000037038 XP_014775946.1 100 104
0 0 1 104 1 104 1.30E-54 220.3 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000037039 6579 103.2 UdeM00000037039 XP_033727551.1 31.5 241
136 8 3 225 36 265 6.20E-19 103.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000037040 37653 220.3 UdeM00000037040 XP_014775946.1 100 104
0 0 1 104 1 104 1.30E-54 220.3 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000037041 6579 103.2 UdeM00000037041 XP_033727551.1 31.5 241
136 8 3 225 36 265 6.20E-19 103.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000037042 6945 84.3 UdeM00000037042 XP_040065097.1 28.5 193
112 4 59 225 85 277 2.90E-13 84.3 6945 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Acari; Parasitiformes; Ixodida; Ixodoidea; Ixodidae; Ixodinae; Ixodes; Ixodes scapularis

UdeM00000037043 37653 220.3 UdeM00000037043 XP_014775946.1 100 104
0 0 1 104 1 104 1.30E-54 220.3 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000037044 6579 103.2 UdeM00000037044 XP_033727551.1 31.5 241
136 8 3 225 36 265 6.20E-19 103.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000037045 6945 84.3 UdeM00000037045 XP_040065097.1 28.5 193
112 4 59 225 85 277 2.90E-13 84.3 6945 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Acari; Parasitiformes; Ixodida; Ixodoidea; Ixodidae; Ixodinae; Ixodes; Ixodes scapularis

UdeM00000037046 37653 220.3 UdeM00000037046 XP_014775946.1 100 104
0 0 1 104 1 104 1.30E-54 220.3 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000037047 6579 103.2 UdeM00000037047 XP_033727551.1 31.5 241
136 8 3 225 36 265 6.20E-19 103.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037048 6945 84.3 UdeM00000037048 XP_040065097.1 28.5 193
112 4 59 225 85 277 2.90E-13 84.3 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000037049 37653 220.3 UdeM00000037049 XP_014775946.1 100 104
0 0 1 104 1 104 1.30E-54 220.3 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000037050 6579 103.2 UdeM00000037050 XP_033727551.1 31.5 241
136 8 3 225 36 265 6.20E-19 103.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037051 6945 84.3 UdeM00000037051 XP_040065097.1 28.5 193
112 4 59 225 85 277 2.90E-13 84.3 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000037052 6596 1072 UdeM00000037052 XP_045195120.1 75.7 802
189 5 1 799 1 799 3.6e-310 1072 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037053 6579 171.8 UdeM00000037053 XP_033740369.1 26.9 788
443 22 1 715 1 728 3.20E-39 171.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037054 6596 251.1 UdeM00000037054 XP_045195120.1 80.9 157
30 0 1 157 643 799 9.30E-64 251.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037055 6579 171.8 UdeM00000037055 XP_033740369.1 26.9 788
443 22 1 715 1 728 3.20E-39 171.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037056 260615 180.6 UdeM00000037056 XP_039383630.1 93.1
101 7 0 24 124 239 339 1.20E-42 180.6 260615

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000037057 6573 151.4 UdeM00000037057 XP_021366867.1 53.8 160
 67 4 267 423 254 409 7.60E-33 151.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037058 6573 84.3 UdeM00000037058 XP_021366763.1 53 66
 31 0 72 137 79 144 1.30E-13 84.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037059 6565 709.5 UdeM00000037059 XP_022293133.1 76.1 548
 116 5 1 536 1 545 3.20E-20 709.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037060 29159 268.1 UdeM00000037060 XP_034335595.1 34.8 509
 271 11 1 491 113 578 2.20E-68 268.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037061 7955 134.8 UdeM00000037061 XP_009297123.1 36.7 207
 119 3 106 307 19 218 2.20E-28 134.8 7955 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 ideii;Danionidae;Danioninae;Danio;Danio rerio
 UdeM00000037062 6573 141 UdeM00000037062 XP_021365597.1 41.1 207
 115 5 23 225 118 321 2.60E-30 141 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037063 7998 493.8 UdeM00000037063 XP_017334791.1 65.1 361
 126 0 1 361 62 422 2.20E-136 493.8 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus
 UdeM00000037064 7741 288.5 UdeM00000037064 XP_019622111.1 51.8 280
 132 3 33 311 1 278 1.00E-74 288.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000037065 6579 142.9 UdeM00000037065 XP_033757393.1 36.6 213
 129 3 22 230 223 433 6.20E-31 142.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037066 2607531 112.8 UdeM00000037066 XP_036358365.1 60.9
 87 34 0 1 87 570 656 2.40E-22 112.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000037067 6596 272.7 UdeM00000037067 XP_045195796.1 33.8 476
291 9 144 612 4 462 1.10E-69 272.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037068 6565 286.6 UdeM00000037068 XP_022288931.1 33.3 534
309 11 39 572 104 590 7.10E-74 286.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037069 6596 270 UdeM00000037069 XP_045195796.1 33.8 491
275 11 146 618 4 462 7.40E-69 270 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037070 6596 270 UdeM00000037070 XP_045195796.1 33.8 491
275 11 135 607 4 462 7.30E-69 270 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037071 6565 211.1 UdeM00000037071 XP_022288100.1 31 436
233 10 39 464 322 699 3.80E-51 211.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037072 34773 131.3 UdeM00000037072 XP_041946954.1 44.8 134
66 2 31 159 222 352 1.30E-27 131.3 34773 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;A
losa sapidissima

UdeM00000037073 6565 212.2 UdeM00000037073 XP_022288749.1 33 437
251 11 52 481 195 596 1.40E-51 212.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037074 7574 187.2 UdeM00000037074 XP_013384628.1 67.7 133
41 1 1 133 33 163 1.50E-44 187.2 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000037075 7574 189.9 UdeM00000037075 XP_013384628.1 60.2 161
55 3 1 161 33 184 2.90E-45 189.9 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000037076 6565 280.4 UdeM00000037076 XP_022290205.1 33.2 575
310 12 12 565 67 588 5.00E-72 280.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037077 6565 277.7 UdeM00000037077 XP_022290205.1 34 541
292 10 1 529 101 588 3.00E-71 277.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037079 6565 224.6 UdeM00000037079 XP_022288100.1 32.8 436
247 10 39 471 322 714 3.40E-55 224.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037080 29159 274.2 UdeM00000037080 XP_034335621.1 34.7 518
285 12 8 524 113 578 3.30E-70 274.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037082 6596 96.3 UdeM00000037082 XP_045206084.1 45.6 103
53 2 99 200 78 178 4.80E-17 96.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000037083 6596 204.1 UdeM00000037083 XP_045177112.1 34 382
211 11 17 360 187 565 3.00E-49 204.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000037084 6596 266.5 UdeM00000037084 XP_045202728.1 33 539
291 13 8 522 15 507 6.90E-68 266.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000037085 6596 308.9 UdeM00000037085 XP_045197454.1 53.4 326
128 6 1 305 1 323 7.10E-81 308.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000037086 6596 531.2 UdeM00000037086 XP_045198848.1 64.6 390
137 1 28 416 37 426 1.20E-147 531.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000037087 6596 2568.1 UdeM00000037087 XP_045195259.1 64.4
2038 698 14 18 2045 10 2030 0.00E+00 2568.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037090 6596 61.6 UdeM00000037090 XP_045189070.1 42.5 87
48 2 2 87 1 86 5.90E-07 61.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037091 6596 107.5 UdeM00000037091 XP_045195617.1 44.9 136
64 2 5 129 26 161 8.70E-20 107.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037092 6596 188.7 UdeM00000037092 XP_045199209.1 36.5 304
160 6 103 381 1 296 1.30E-44 188.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037096 6596 157.1 UdeM00000037096 XP_045196295.1 60.5 147
24 4 1 113 1 147 1.60E-35 157.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037097 6596 389.8 UdeM00000037097 XP_045196296.1 67.1 304
56 7 1 270 1 294 2.80E-105 389.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037098 2652724 131 UdeM00000037098 XP_020905078.2 39.4
160 82 2 13 171 448 593 1.60E-27 131 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000037100 225164 101.7 UdeM00000037100 XP_009043758.1 36.7
120 75 1 2 121 21 139 7.40E-19 101.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000037101 29159 98.6 UdeM00000037101 XP_034307341.1 43.6 110
52 1 9 108 230 339 8.70E-18 98.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreidae;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037102 6596 75.9 UdeM00000037102 XP_045196411.1 35.5 141
81 4 16 150 12 148 7.60E-11 75.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037103 125878 889 UdeM00000037103 XP_018425791.1 94
 451 27 0 1 451 1 451 2.50E-255 889 125878
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Ranoidea;Dicroglossidae;Dicroglossinae;Nanorana;Nanorana parkeri
 UdeM00000037104 225164 919.5 UdeM00000037104 XP_009045201.1 97.3
 452 12 0 1 452 1 452 1.70E-264 919.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000037105 225164 918.7 UdeM00000037105 XP_009053229.1 98
 452 9 0 1 452 1 452 2.90E-264 918.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000037106 225164 917.9 UdeM00000037106 XP_009053229.1 98
 452 9 0 1 452 1 452 5.00E-264 917.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000037107 6596 407.1 UdeM00000037107 XP_045196251.1 49.9 387
 190 2 23 407 16 400 2.70E-110 407.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037108 6596 400.6 UdeM00000037108 XP_045196251.1 52.6 344
 161 1 6 347 57 400 2.10E-108 400.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037109 6596 138.3 UdeM00000037109 XP_045195726.1 44.4 153
 85 0 16 168 11 163 9.20E-30 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037110 6565 483.8 UdeM00000037110 XP_022288637.1 75.3 291
 72 0 6 296 7 297 1.60E-133 483.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030853 7574 282 UdeM00000030853 XP_013404713.1 35.8 439
 265 9 10 440 6 435 1.70E-72 282 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030854 6596 608.2 UdeM00000030854 XP_045159889.1 63.6 459
 160 3 1 454 1 457 8.50E-171 608.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030855 6596 240.4 UdeM00000030855 XP_045159892.1 73.1 145
 39 0 5 149 3 147 1.50E-60 240.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030856 286706 514.2 UdeM00000030856 XP_014276973.1 60.2
 417 148 4 1 400 1 416 1.50E-142 514.2 286706
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Prosorrhyncha;He
 teroptera;Euheteroptera;Neoheteroptera;Panheteroptera;Pentatomomorpha;Pen
 tatomoidea;Pentatomidae;Pentatominae;Halyomorpha;Halyomorpha halys
 UdeM00000030857 6596 156 UdeM00000030857 XP_045159786.1 38.1 260
 136 11 69 318 34 278 9.80E-35 156 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030858 6596 635.2 UdeM00000030858 XP_045159786.1 36.4 1166
 572 24 287 1349 714 1813 1.90E-178 635.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030859 6596 633.3 UdeM00000030859 XP_045172017.1 70.7 396
 116 0 9 404 3 398 2.30E-178 633.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030860 6596 1700.3 UdeM00000030860 XP_045157858.1 82.3
 1031 178 2 4 1032 5 1033 0.00E+00 1700.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030861 10224 183.7 UdeM00000030861 XP_002739467.1 65.2 135
 42 2 9 138 8 142 1.90E-43 183.7 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000030862 10224 183.7 UdeM00000030862 XP_002739467.1 65.2 135
 42 2 9 138 8 142 2.00E-43 183.7 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii

UdeM00000030864 6579 867.5 UdeM00000030864 XP_033739131.1 61.4 645
247 2 1 644 726 1369 1.10E-248 867.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000030863 6579 1179.9 UdeM00000030863 XP_033739131.1 57.1
993 394 5 1 992 408 1369 0.00E+00 1179.9 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000030865 6579 232.3 UdeM00000030865 XP_033738407.1 57.1 203
80 3 1 197 1 202 5.50E-58 232.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000030867 6500 121.7 UdeM00000030867 XP_012943190.1 44.7 159
80 5 1 152 1 158 8.40E-25 121.7 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000030868 6573 1004.2 UdeM00000030868 XP_021362269.1 64.8
968 301 14 12 972 315 1249 1.10E-289 1004.2 6573
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000030869 6526 487.6 UdeM00000030869 XP_013083697.1 91 268
24 0 1 268 1 268 1.10E-134 487.6 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeioidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000030870 6596 242.3 UdeM00000030870 XP_045159795.1 60 185
74 0 1 185 1 185 6.30E-61 242.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eutherozonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030871 1735272 468.8 UdeM00000030871 XP_041358977.1 74.2
330 84 1 1 329 1 330 5.80E-129 468.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000030872 6596 359 UdeM00000030872 XP_045157576.1 72.2 216
60 0 13 228 15 230 4.50E-96 359 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eutherozonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000030873 6596 374 UdeM00000030873 XP_045157576.1 71.4 224
 64 0 5 228 7 230 1.40E-100 374 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030874 6596 283.5 UdeM00000030874 XP_045210491.1 44.7 380
 168 9 23 370 16 385 3.90E-73 283.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030875 2557582 63.9 UdeM00000030875 YP_009844920.1 26.1
 253 152 11 122 366 434 659 5.80E-07 63.9 2557582
 Viruses;Duplodnaviria;Heunggongvirae;Uroviricota;Caudoviricetes;Cau
 dovirales;Siphoviridae;Ravarandavirus;Nodularia virus kac68v161;Nodularia
 phage vB_NspS-kac68v161

UdeM00000030877 1735272 177.6 UdeM00000030877 XP_041358003.1 50.6
 178 81 4 9 183 25 198 1.50E-41 177.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030876 400727 301.6 UdeM00000030876 XP_025109507.1 58.9
 258 102 2 9 266 5 258 1.00E-78 301.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000030878 6596 251.1 UdeM00000030878 XP_045159780.1 60.4 207
 79 1 43 249 21 224 1.50E-63 251.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030879 6596 419.5 UdeM00000030879 XP_045159782.1 72.9 258
 63 2 21 271 224 481 3.40E-114 419.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030880 6596 832 UdeM00000030880 XP_045159780.1 54.2 684
 311 2 26 707 492 1175 5.70E-238 832 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030881 6596 282.3 UdeM00000030881 XP_045159780.1 37.1 369
 227 4 1 365 1163 1530 8.60E-73 282.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030882 6596 374.4 UdeM00000030882 XP_045159780.1 49.5 400
 176 2 3 400 1586 1961 1.80E-100 374.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030883 6596 366.3 UdeM00000030883 XP_045159780.1 37.5 579
 348 4 1 569 1973 2547 7.00E-98 366.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030884 6596 126.7 UdeM00000030884 XP_045159780.1 51.4 105
 51 0 16 120 2548 2652 2.10E-26 126.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030885 6596 528.9 UdeM00000030885 XP_045159780.1 40.8 719
 380 14 1 687 2654 3358 9.80E-147 528.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030886 7741 70.5 UdeM00000030886 XP_019617161.1 23.1 295
 197 6 355 634 13 292 9.30E-09 70.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000030887 7574 90.9 UdeM00000030887 XP_013397031.1 44.6 92
 49 1 54 143 3059 3150 1.40E-15 90.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000030888 7741 70.5 UdeM00000030888 XP_019617161.1 23.1 295
 197 6 355 634 13 292 9.30E-09 70.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000030889 7574 90.9 UdeM00000030889 XP_013397031.1 44.6 92
 49 1 54 143 3059 3150 1.40E-15 90.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000030890 7741 76.6 UdeM00000030890 XP_019617161.1 23.4 295
 196 6 353 632 13 292 1.30E-10 76.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000030891 2607531 75.1 UdeM00000030891 XP_029643184.1 35
 137 77 3 1 134 1 128 2.50E-10 75.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000030892 7741 80.9 UdeM00000030892 XP_019617161.1 26 269
183 7 393 654 25 284 7.20E-12 80.9 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000030893 6596 292.7 UdeM00000030893 XP_045160602.1 53.2 265
109 1 16 265 411 675 4.90E-76 292.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030894 6596 228.4 UdeM00000030894 XP_045160602.1 49 210
106 1 67 275 70 279 1.10E-56 228.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030895 6596 80.5 UdeM00000030895 XP_045162351.1 22.4 808
500 31 1 691 1 798 9.40E-12 80.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030896 6596 721.1 UdeM00000030896 XP_045160602.1 54.3 606
261 2 47 636 70 675 1.30E-204 721.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030897 400727 569.7 UdeM00000030897 XP_025109315.1 68.2
387 122 1 1 386 1 387 2.80E-159 569.7 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000030898 6565 412.1 UdeM00000030898 XP_022318243.1 68.8 279
85 2 12 289 8 285 5.70E-112 412.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000030899 6596 317 UdeM00000030899 XP_045180934.1 39.5 466
258 10 1 455 188 640 3.90E-83 317 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030900 29159 257.3 UdeM00000030900 XP_011431624.2 35.6 427
237 7 7 429 113 505 3.50E-65 257.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030901 6596 310.1 UdeM00000030901 XP_045180934.1 38.2 466
 234 12 33 457 188 640 4.80E-81 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030907 29159 496.9 UdeM00000030907 XP_034312507.1 78.9 294
 62 0 29 322 3 296 2.00E-137 496.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030908 6596 302 UdeM00000030908 XP_045158998.1 29.9 766
 380 20 55 747 767 1448 2.20E-78 302 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030909 29159 90.5 UdeM00000030909 XP_019928419.2 31.3 246
 108 6 137 325 107 348 4.50E-15 90.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030910 6596 371.3 UdeM00000030910 XP_045157766.1 96 198
 8 0 1 198 1 198 7.90E-100 371.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030911 6565 1276.9 UdeM00000030911 XP_022317729.1 73.7
 1207 313 2 1 1203 1 1206 0.00E+00 1276.9 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030912 6412 71.2 UdeM00000030912 XP_009012353.1 47.7 65
 34 0 13 77 5 69 6.40E-10 71.2 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000030913 37653 113.2 UdeM00000030913 XP_014791310.1 75.3 73
 18 0 5 77 11 83 1.50E-22 113.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000030914 29159 157.9 UdeM00000030914 XP_019926413.2 25.6 614
 103 5 124 390 1 607 2.90E-35 157.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030917 1735272 774.2 UdeM00000030917 XP_041358750.1 44.9
 1147 460 20 1 1101 289 1309 2.20E-220 774.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030919 6596 141.7 UdeM00000030919 XP_045179569.1 65.4 104
 35 1 1 104 1 103 5.40E-31 141.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030920 6596 465.3 UdeM00000030920 XP_045160118.1 77.7 287
 63 1 1 286 1 287 6.30E-128 465.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030921 6596 93.2 UdeM00000030921 XP_045160975.1 67.8 59
 19 0 16 74 12 70 1.70E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030922 10224 342.4 UdeM00000030922 XP_002736880.1 58 283
 117 2 32 312 35 317 7.20E-91 342.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000030924 6596 344.4 UdeM00000030924 XP_045160975.1 56.3 492
 180 5 26 494 68 547 2.50E-91 344.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030925 400727 310.5 UdeM00000030925 XP_025110823.1 47
 508 188 4 26 524 67 502 4.20E-81 310.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000030926 6596 235.7 UdeM00000030926 XP_045160109.1 67.3 162
 53 0 2 163 702 863 6.70E-59 235.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030927 6596 257.7 UdeM00000030927 XP_045160108.1 73.5 162
 43 0 2 163 702 863 1.60E-65 257.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030928 6596 931.4 UdeM00000030928 XP_045160111.1 70.1 662
 140 3 3 662 84 689 6.70E-268 931.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030929 1735272 104.8 UdeM00000030929 XP_041360206.1 29.6
199 103 6 25 222 48 210 1.50E-19 104.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000030930 6596 502.3 UdeM00000030930 XP_045160231.1 72.7 337
84 6 3 337 2 332 4.80E-139 502.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari

a mercenaria
UdeM00000030931 6596 129.8 UdeM00000030931 XP_045160138.1 79 81
16 1 10 90 35 114 2.30E-27 129.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari

a mercenaria
UdeM00000030932 6596 444.9 UdeM00000030932 XP_045160138.1 61.6 404
127 8 11 402 190 577 1.10E-121 444.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari

a mercenaria
UdeM00000030933 6596 85.5 UdeM00000030933 XP_045160355.1 41 117
68 1 6 122 4 119 5.60E-13 85.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari

a mercenaria
UdeM00000030933 6596 67.4 UdeM00000030933 XP_045160355.1 34 100
60 1 596 689 1304 1403 1.60E-07 67.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari

a mercenaria
UdeM00000030933 6596 60.1 UdeM00000030933 XP_045160355.1 30.9 175
102 5 957 1113 1528 1701 2.50E-05 60.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari

a mercenaria
UdeM00000030934 400727 200.3 UdeM00000030934 XP_025109484.1 39.2
222 135 0 11 232 3 224 2.70E-48 200.3 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl

ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000030935 6596 291.2 UdeM00000030935 XP_045160351.1 71.6 194
54 1 1 194 1 193 9.80E-76 291.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari

a mercenaria

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari

a mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030936 6596 307.8 UdeM00000030936 XP_045160351.1 75.3 194
 47 1 1 194 1 193 1.00E-80 307.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030937 6596 791.2 UdeM00000030937 XP_045159963.1 40.3 1498
 736 31 39 1475 74 1474 2.30E-225 791.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030938 6596 282 UdeM00000030938 XP_045159961.1 36.6 677
 343 27 1 629 1 639 1.90E-72 282 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030939 6596 265.4 UdeM00000030939 XP_045159962.1 61.2 240
 80 5 4 236 5 238 7.50E-68 265.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000030940 29159 563.9 UdeM00000030940 XP_034330259.1 41.8 730
 377 13 245 959 2 698 3.90E-157 563.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030941 1735272 193 UdeM00000030941 XP_041356797.1 54
 211 97 0 170 380 245 455 7.10E-46 193 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pectinidae;Gigantopelta;Gigantopelta aegis
 UdeM00000030942 151771 378.6 UdeM00000030942 XP_028419301.1 53
 355 163 3 11 363 1 353 8.70E-102 378.6 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea
 UdeM00000030943 70779 96.7 UdeM00000030943 XP_015747352.1 44.4 108
 58 1 2 107 297 404 2.10E-17 96.7 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera
 UdeM00000030944 6579 828.2 UdeM00000030944 XP_033737207.1 26.8 2377
 1554 45 14 2311 22 2292 2.60E-236 828.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030945 225164 112.1 UdeM00000030945 XP_009048830.1 52.4
 105 50 0 138 242 33 137 1.00E-21 112.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000030947 6565 72 UdeM00000030947 XP_022293466.1 49.3 75
 38 0 42 116 437 511 5.60E-10 72 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030948 6526 68.2 UdeM00000030948 XP_013077233.1 31.4 118
 63 3 1 117 80 180 8.20E-09 68.2 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000030949 6596 988 UdeM00000030949 XP_045158286.1 60.5 800
 306 4 2 801 21 810 6.90E-285 988 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030950 6596 784.6 UdeM00000030950 XP_045160567.1 64.6 610
 212 4 1 610 1 606 8.90E-224 784.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030951 29159 228.8 UdeM00000030951 NP_001295834.1 41.3 385
 188 10 10 387 2 355 1.20E-56 228.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030952 29159 228.4 UdeM00000030952 NP_001295834.1 41.3 385
 188 10 3 380 2 355 1.60E-56 228.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030953 6596 724.9 UdeM00000030953 XP_045159638.1 49.6 887
 362 28 14 865 6 842 1.20E-205 724.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030955 6596 283.1 UdeM00000030955 XP_045159639.1 46.4 358
 167 7 1 356 172 506 5.00E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030954 6596 483.4 UdeM00000030954 XP_045159639.1 49.1 523
 241 7 13 533 7 506 3.70E-133 483.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030956 29159 270 UdeM00000030956 XP_019930556.2 70 417
93 4 1 416 1 386 5.00E-69 270 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030957 400727 153.3 UdeM00000030957 XP_025110415.1 46.5
172 78 3 57 224 79 240 3.70E-34 153.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000030958 6596 205.7 UdeM00000030958 XP_045159306.1 58.1 301
112 8 1 299 1 289 8.50E-50 205.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030959 6596 957.2 UdeM00000030959 XP_045159308.1 59.9 1009
375 12 1 1007 1 981 1.60E-275 957.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030961 6596 245.7 UdeM00000030961 XP_045159305.1 56.7 201
85 2 25 224 27 226 6.30E-62 245.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030962 6596 208.8 UdeM00000030962 XP_045160315.1 66.7 153
49 1 1 151 1 153 5.00E-51 208.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030963 6596 499.2 UdeM00000030963 XP_045160404.1 65.1 390
134 2 312 700 338 726 8.60E-138 499.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030964 6596 398.3 UdeM00000030964 XP_045190945.1 72.8 250
67 1 8 256 11 260 7.50E-108 398.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030965 6596 182.2 UdeM00000030965 XP_045160494.1 56.8 183
69 3 1 183 1 173 6.00E-43 182.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030967 6596 518.1 UdeM00000030967 XP_045158610.1 75.5 318
 78 0 16 333 42 359 8.80E-144 518.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030966 6596 518.5 UdeM00000030966 XP_045158610.1 75.5 318
 78 0 47 364 42 359 7.30E-144 518.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030968 6573 628.2 UdeM00000030968 XP_021343710.1 65.1 479
 163 2 3 480 428 903 9.10E-177 628.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030970 6596 548.1 UdeM00000030970 XP_045158165.1 34.6 1196
 505 20 1 954 84 1244 2.20E-152 548.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030971 6573 68.2 UdeM00000030971 XP_021341077.1 46.6 73
 38 1 318 390 618 689 2.80E-08 68.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030972 6579 68.6 UdeM00000030972 XP_033738460.1 48.6 72
 36 1 276 347 614 684 1.90E-08 68.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030973 6579 75.5 UdeM00000030973 XP_033738460.1 43.4 99
 51 2 468 562 587 684 2.50E-10 75.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030974 6596 688.3 UdeM00000030974 XP_045159953.1 71.4 490
 129 5 1 484 1 485 6.90E-195 688.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030975 6573 389.8 UdeM00000030975 XP_021345332.1 60.9 1096
 232 5 1 1054 1 941 1.10E-104 389.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030976 6573 65.5 UdeM00000030976 XP_021345332.1 67.4 46
 15 0 169 214 187 232 9.90E-08 65.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000030977 6596 322.4 UdeM00000030977 XP_045159954.1 49.7 310
149 3 241 546 7 313 1.20E-84 322.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000030978 400727 65.5 UdeM00000030978 XP_025109594.1 25.8
275 170 10 45 306 120 373 1.40E-07 65.5 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000030979 225164 89.7 UdeM00000030979 XP_009062547.1 40.2
122 69 3 25 143 25 145 3.30E-15 89.7 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000030980 29159 88.2 UdeM00000030980 XP_034336577.1 34.8 138
85 1 5 142 4 136 9.50E-15 88.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000030981 225164 78.6 UdeM00000030981 XP_009062547.1 38.8
116 67 3 1 113 31 145 6.10E-12 78.6 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000030982 6596 242.7 UdeM00000030982 XP_045159423.1 56.1 255
106 3 1 249 24 278 5.20E-61 242.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000030983 6596 268.1 UdeM00000030983 XP_045159423.1 56.7 277
111 4 3 273 5 278 1.30E-68 268.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000030984 29159 1357 UdeM00000030984 XP_034313924.1 56.1 1262
437 17 1 1223 1 1184 0.00E+00 1357 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000030985 29159 1359 UdeM00000030985 XP_034313924.1 56.2 1260
438 16 1 1222 1 1184 0.00E+00 1359 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000030986 29159 447.2 UdeM00000030986 XP_011412925.2 52.5 408
 192 2 24 431 11 416 2.40E-122 447.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030987 6596 466.8 UdeM00000030987 XP_045160980.1 54 404
 168 7 1 390 146 545 2.80E-128 466.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030988 6596 640.2 UdeM00000030988 XP_045160980.1 54.3 541
 221 9 5 524 10 545 2.50E-180 640.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025858 7574 116.7 UdeM00000025858 XP_013410728.1 51.1 131
 58 2 351 476 215 344 8.10E-23 116.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000025859 7574 116.7 UdeM00000025859 XP_013410728.1 51.1 131
 58 2 353 478 215 344 8.10E-23 116.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000025860 6573 580.1 UdeM00000025860 XP_021344066.1 60.5 440
 172 1 140 579 150 587 3.20E-162 580.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025861 6596 1258.8 UdeM00000025861 XP_045166080.1 64.7
 1134 347 13 14 1118 10 1119 0.00E+00 1258.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025862 6596 1221.1 UdeM00000025862 XP_045166080.1 64
 1126 351 14 6 1101 18 1119 0.00E+00 1221.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025866 6596 260 UdeM00000025866 XP_045164275.1 41.4 553
 297 13 11 546 453 995 9.10E-66 260 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025869 29159 71.2 UdeM00000025869 XP_011416222.2 39.4 104
 50 3 1 91 1 104 1.10E-09 71.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025870 6596 227.3 UdeM00000025870 XP_045165625.1 36.7 499
267 15 47 532 413 875 5.70E-56 227.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000025871 29159 527.3 UdeM00000025871 XP_011450657.1 54.9 570
184 10 1 557 1 510 2.50E-146 527.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025872 29159 553.9 UdeM00000025872 XP_011450657.1 60.8 515
184 9 1 502 1 510 2.30E-154 553.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025873 1735272 409.1 UdeM00000025873 XP_041349784.1 96.6
205 7 0 1 205 1 205 3.40E-111 409.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025874 6596 270.8 UdeM00000025874 XP_045164692.1 54.1 242
90 1 6 247 10 230 1.70E-69 270.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000025875 6596 282.3 UdeM00000025875 XP_045164692.1 59.3 221
90 0 6 226 10 230 5.30E-73 282.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000025876 2607531 680.2 UdeM00000025876 XP_029638272.1 61.9
585 194 7 36 596 241 820 3.00E-192 680.2 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000025877 7739 130.2 UdeM00000025877 XP_035689955.1 32.9 301
158 7 1 265 1 293 4.50E-27 130.2 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
UdeM00000025878 29159 91.3 UdeM00000025878 XP_034326035.1 35.1 148
92 1 1 148 26 169 1.20E-15 91.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025879 225164 431 UdeM00000025879 XP_009066991.1 77.3
 242 55 0 1 242 1 242 1.10E-117 431 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000025880 29159 790 UdeM00000025880 XP_011424818.2 81.4 451
 84 0 1 451 107 557 1.60E-225 790 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025881 6596 363.2 UdeM00000025881 XP_045166683.1 37.4 589
 334 9 19 597 11 574 6.20E-97 363.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025882 6565 1073.9 UdeM00000025882 XP_022299733.1 50
 1110 456 12 1 1040 1 1081 1.2e-310 1073.9 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025883 6565 499.2 UdeM00000025883 XP_022299761.1 68.4 339
 107 0 14 352 8 346 4.30E-138 499.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025884 6596 483.8 UdeM00000025884 XP_045176004.1 64.1 351
 126 0 1 351 1 351 1.90E-133 483.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025885 6596 572.8 UdeM00000025885 XP_045172017.1 65.6 393
 135 0 12 404 6 398 3.60E-160 572.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025892 6596 392.9 UdeM00000025892 XP_045165531.1 49.9 771
 343 5 11 768 329 1069 9.60E-106 392.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025893 6596 280.8 UdeM00000025893 XP_045165531.1 56.9 348
 118 10 1 335 1 329 2.50E-72 280.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025894 6596 332.4 UdeM00000025894 XP_045165518.1 47.7 415
 207 7 4 416 7 413 1.10E-87 332.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025895 6596 332.4 UdeM00000025895 XP_045165518.1 47.7 415
207 7 4 416 7 413 1.10E-87 332.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025896 29159 919.5 UdeM00000025896 XP_034304901.1 49.8 869
362 11 10 869 11 814 3.30E-264 919.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025897 6573 117.9 UdeM00000025897 XP_021357392.1 40.6 143
85 0 11 153 727 869 1.20E-23 117.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025898 6596 294.7 UdeM00000025898 XP_045165537.1 65.2 224
77 1 3 226 4 226 1.30E-76 294.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025899 6579 193.7 UdeM00000025899 XP_033746090.1 62.7 158
55 2 2 155 1020 1177 1.70E-46 193.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025900 6579 958.7 UdeM00000025900 XP_033746090.1 63.7 713
248 8 513 1220 306 1012 6.90E-276 958.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025901 6596 397.5 UdeM00000025901 XP_045164353.1 73.7 266
66 3 24 287 30 293 1.40E-107 397.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025902 6596 213.8 UdeM00000025902 XP_045174332.1 34.6 451
277 3 26 471 154 591 4.80E-52 213.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025903 225164 107.5 UdeM00000025903 XP_009059366.1 43.2
199 90 6 18 214 9 186 5.50E-20 107.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;Lottiidae;Lottia;Lottia gigantea

UdeM00000025906 6596 763.1 UdeM00000025906 XP_045167331.1 68.5 527
 164 1 165 691 59 583 3.10E-217 763.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025907 6579 634 UdeM00000025907 XP_033746789.1 56 687
 237 16 145 818 451 1085 2.60E-178 634 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025908 225164 144.1 UdeM00000025908 XP_009059360.1 34.7
 222 102 2 1 179 1 222 2.10E-31 144.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000025909 6945 84.3 UdeM00000025909 XP_040065097.1 28.5 193
 112 4 59 225 85 277 2.90E-13 84.3 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000025910 6596 1229.9 UdeM00000025910 XP_045164194.1 48.6
 1311 605 17 2 1251 1 1303 0.00E+00 1229.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025911 400727 153.7 UdeM00000025911 XP_025106557.1 68
 125 38 2 95 219 126 248 3.30E-34 153.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000025912 1735272 564.7 UdeM00000025912 XP_041350161.1 75
 372 88 3 1 369 192 561 8.80E-158 564.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025913 1735272 107.8 UdeM00000025913 XP_041350161.1 63.6
 88 25 1 8 88 594 681 6.00E-20 107.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025914 1735272 112.5 UdeM00000025914 XP_041350162.1 41.9
 155 77 4 1 142 1 155 4.70E-22 112.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025917 6579 448.4 UdeM00000025917 XP_033744585.1 55.5 465
 174 14 1 453 22 465 1.10E-122 448.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025918 6596 168.7 UdeM00000025918 XP_045165056.1 48.8 172
 88 0 1 172 7 178 6.50E-39 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025919 6596 162.2 UdeM00000025919 XP_045165151.1 45.7 162
 86 1 1 162 5 164 5.90E-37 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025920 6596 781.6 UdeM00000025920 XP_045165425.1 58.5 661
 266 3 1 654 1 660 8.00E-223 781.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025921 400727 392.1 UdeM00000025921 XP_025107489.1 63.1
 320 112 3 59 376 125 440 7.90E-106 392.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000025923 29159 230.7 UdeM00000025923 XP_011432372.2 25.5 800
 537 24 1 766 178 952 6.20E-57 230.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025925 6596 149.8 UdeM00000025925 XP_045166693.1 24.9 774
 489 30 12 739 38 765 1.70E-32 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025924 6596 149.8 UdeM00000025924 XP_045166693.1 24.9 774
 489 30 12 739 38 765 1.80E-32 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025927 6565 75.1 UdeM00000025927 XP_022298967.1 29.2 233
 139 8 7 226 73 292 1.70E-10 75.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025928 29159 129.8 UdeM00000025928 XP_011432372.2 24.8 513
 355 17 59 556 457 953 1.10E-26 129.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025929 6596 170.6 UdeM00000025929 XP_045165073.1 34.4 311
190 6 295 601 133 433 7.40E-39 170.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025930 6596 170.6 UdeM00000025930 XP_045165073.1 34.4 311
190 6 295 601 133 433 7.40E-39 170.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025931 6596 585.5 UdeM00000025931 XP_045165366.1 46.5 984
439 15 21 968 20 952 2.00E-163 585.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025932 37653 350.9 UdeM00000025932 XP_014788267.1 71.8 241
64 2 1 237 1 241 2.40E-93 350.9 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000025934 6573 531.2 UdeM00000025934 XP_021369259.1 66.5 400
131 3 26 424 5 402 1.20E-147 531.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000025935 6573 127.9 UdeM00000025935 XP_021369258.1 65.6 90
31 0 26 115 5 94 9.30E-27 127.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000025936 225164 240.4 UdeM00000025936 XP_009055553.1 34.6
344 209 6 82 415 54 391 4.40E-60 240.4 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
Lottiidae;Lottia;Lottia gigantea
UdeM00000025937 6596 169.1 UdeM00000025937 XP_045164911.1 54.5 143
63 1 3 145 579 719 7.30E-39 169.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025938 400727 221.5 UdeM00000025938 XP_025107098.1 51
249 108 6 1 246 1 238 1.20E-54 221.5 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000025951 6596 515.4 UdeM00000025951 XP_045165725.1 49.9 613
 252 18 1 592 61 639 9.70E-143 515.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025952 6565 238.8 UdeM00000025952 XP_022327023.1 28.1 648
 409 16 19 648 14 622 2.00E-59 238.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025953 6596 176 UdeM00000025953 XP_045167330.1 47.2 180
 92 2 33 211 23 200 5.10E-41 176 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025954 6596 105.9 UdeM00000025954 XP_045165712.1 32.7 211
 126 6 16 222 5 203 6.70E-20 105.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025955 6596 193.7 UdeM00000025955 XP_045165712.1 52.2 182
 87 0 24 205 22 203 2.20E-46 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025956 6596 245 UdeM00000025956 XP_045166072.1 56.8 213
 85 3 1 212 1 207 8.80E-62 245 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025958 29159 73.2 UdeM00000025958 XP_034307878.1 32.3 99
 67 0 1 99 92 190 5.50E-10 73.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025959 29159 66.6 UdeM00000025959 XP_034312908.1 48.3 58
 26 1 9 62 6 63 2.50E-08 66.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025961 29159 118.6 UdeM00000025961 XP_034312908.1 37.2 183
 109 3 46 224 443 623 1.00E-23 118.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025962 29159 58.5 UdeM00000025962 XP_034312908.1 38.6 88
 52 1 17 104 538 623 5.90E-06 58.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025963 6596 145.6 UdeM00000025963 XP_045166152.1 42.1 178
102 1 32 208 34 211 7.30E-32 145.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025964 6596 170.2 UdeM00000025964 XP_045167330.1 45.6 180
95 2 33 211 23 200 2.80E-39 170.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025965 6596 169.9 UdeM00000025965 XP_045167330.1 47.5 177
91 1 41 217 27 201 3.70E-39 169.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025966 6596 197.2 UdeM00000025966 XP_045167330.1 51.3 195
95 0 11 205 7 201 2.00E-47 197.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025967 8049 252.3 UdeM00000025967 XP_030193753.1 35.2 383
225 5 134 511 17 381 1.30E-63 252.3 8049 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
e;Gadus;Gadus morhua
UdeM00000025968 6596 99.8 UdeM00000025968 XP_045165712.1 30.1 209
134 6 16 222 5 203 4.80E-18 99.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025969 6596 82.8 UdeM00000025969 XP_045166072.1 49.3 73
37 0 1 73 135 207 2.00E-13 82.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025970 6596 143.7 UdeM00000025970 XP_045166152.1 38.2 207
122 3 4 208 9 211 2.80E-31 143.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025972 29159 450.3 UdeM00000025972 XP_011429948.1 57 356
152 1 243 597 104 459 3.90E-123 450.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025973 29159 313.9 UdeM00000025973 XP_011429743.1 67.7 220
71 0 220 439 35 254 3.20E-82 313.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025974 6579 944.9 UdeM00000025974 XP_033744654.1 89.3 506
54 0 1 506 1 506 4.20E-272 944.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000025975 29159 647.5 UdeM00000025975 XP_011443120.2 53.8 606
267 7 12 611 269 867 1.70E-182 647.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025976 6579 89 UdeM00000025976 XP_033746808.1 47.9 117
51 4 28 144 45 151 6.80E-15 89 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000025977 6596 636.7 UdeM00000025977 XP_045164637.1 71.3 456
126 4 70 521 111 565 2.60E-179 636.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025979 6596 204.5 UdeM00000025979 XP_045166338.1 46.4 248
124 5 1 243 5 248 1.60E-49 204.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025981 6596 393.7 UdeM00000025981 XP_045164303.1 42.7 532
260 6 4 519 2 504 3.70E-106 393.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025982 1735272 681 UdeM00000025982 XP_041350390.1 46.7
719 358 7 12 719 10 714 1.80E-192 681 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025984 1735272 715.3 UdeM00000025984 XP_041350390.1 52.4
689 310 8 3 684 37 714 8.20E-203 715.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025983 1735272 743.8 UdeM00000025983 XP_041350390.1 52.3
 721 326 8 7 720 5 714 2.30E-211 743.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000025985 6596 668.7 UdeM00000025985 XP_045164911.1 47.6 736
 347 15 10 734 12 719 9.60E-189 668.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025987 6596 75.9 UdeM00000025987 XP_045166843.1 26.6 278
 162 8 3 238 20 297 8.20E-11 75.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025989 1735272 479.6 UdeM00000025989 XP_041350390.1 44.8
 536 267 9 10 538 8 521 5.40E-132 479.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000025988 6596 691 UdeM00000025988 XP_045164911.1 48.3 735
 342 14 10 733 12 719 1.90E-195 691 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025990 225164 238 UdeM00000025990 XP_009055553.1 37.3
 295 174 5 131 415 98 391 2.20E-59 238 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000025991 6596 98.6 UdeM00000025991 XP_045178892.1 43 114
 58 4 28 138 205 314 6.80E-18 98.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025992 6596 139.4 UdeM00000025992 XP_045170888.1 45.4 152
 80 1 39 187 119 270 4.60E-30 139.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025993 6579 644.4 UdeM00000025993 XP_033746231.1 47.1 792
 347 14 1 740 1 772 3.40E-181 644.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025993 6579 79.7 UdeM00000025993 XP_033746231.1 52 75
 35 1 1392 1466 1119 1192 3.40E-11 79.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025994 6573 209.5 UdeM00000025994 XP_021367843.1 48.5 237
 116 4 1 234 1 234 4.90E-51 209.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025995 6573 201.8 UdeM00000025995 XP_021367843.1 48.1 237
 114 5 1 231 1 234 1.00E-48 201.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025996 6579 276.2 UdeM00000025996 XP_033752673.1 66 197
 67 0 15 211 456 652 3.50E-71 276.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025997 6596 557.4 UdeM00000025997 XP_045170315.1 35.2 967
 567 20 1 927 1 947 3.50E-155 557.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025998 6596 641 UdeM00000025998 XP_045164491.1 63.3 570
 188 9 2 564 21 576 1.50E-180 641 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025999 6596 156.8 UdeM00000025999 XP_045170888.1 34.8 264
 160 4 29 281 8 270 4.20E-35 156.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026000 6596 104.4 UdeM00000026000 XP_045178891.1 43.9 114
 57 4 28 138 87 196 1.20E-19 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026001 29159 93.2 UdeM00000026001 XP_034307571.1 43.4 99
 53 1 4 99 523 621 2.00E-16 93.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026003 6596 65.5 UdeM00000026003 XP_045164898.1 53.1 64
 23 1 40 103 1265 1321 5.00E-08 65.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026004 6596 416 UdeM00000026004 XP_045164556.1 48.8 426
 200 4 30 443 52 471 6.00E-113 416 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026005 6579 240.4 UdeM00000026005 XP_033746771.1 39 305
 176 4 1 295 561 865 3.00E-60 240.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026006 6596 104.4 UdeM00000026006 XP_045184054.1 33.2 193
 122 3 76 264 78 267 2.30E-19 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026007 6573 393.7 UdeM00000026007 XP_021352792.1 30.7 794
 506 16 84 855 103 874 6.10E-106 393.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026008 6596 69.3 UdeM00000026008 XP_045165159.1 26.4 231
 132 7 47 243 36 262 8.20E-09 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026009 6579 288.1 UdeM00000026009 XP_033758119.1 36.8 424
 250 8 3 410 128 549 1.70E-74 288.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026010 29159 189.1 UdeM00000026010 XP_034334268.1 45.4 194
 103 1 1 194 160 350 5.20E-45 189.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026011 6596 102.4 UdeM00000026011 XP_045184054.1 30.8 227
 150 3 77 299 78 301 9.90E-19 102.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026012 6565 103.6 UdeM00000026012 XP_022334875.1 44.3 115
 61 2 3 115 603 716 1.70E-19 103.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026013 6573 394.8 UdeM00000026013 XP_021352792.1 30.5 812
 501 16 66 855 104 874 2.80E-106 394.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026014 6596 107.8 UdeM00000026014 XP_045184054.1 31.1 228
 148 5 77 299 78 301 2.40E-20 107.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026015 6579 225.3 UdeM00000026015 XP_033746771.1 38.6 311
 169 6 1 295 561 865 1.00E-55 225.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026016 6573 392.5 UdeM00000026016 XP_021352792.1 30.3 809
 511 14 64 855 102 874 1.40E-105 392.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026017 1735272 146.4 UdeM00000026017 XP_041362996.1 31.5
 355 216 11 17 362 27 363 1.20E-31 146.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026018 6573 167.2 UdeM00000026018 XP_021352792.1 33.3 258
 144 5 19 248 617 874 2.70E-38 167.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026019 6573 394.8 UdeM00000026019 XP_021352792.1 31.1 794
 503 16 84 855 103 874 2.80E-106 394.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026020 6573 266.5 UdeM00000026020 XP_021352792.1 27.9 673
 393 17 75 697 244 874 9.20E-68 266.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026021 29159 189.1 UdeM00000026021 XP_034334268.1 45.4 194
 103 1 1 194 160 350 5.20E-45 189.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026022 6596 102.8 UdeM00000026022 XP_045184054.1 30.8 227
 150 3 77 299 78 301 7.60E-19 102.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026023 6565 103.6 UdeM00000026023 XP_022334875.1 44.3 115
 61 2 3 115 603 716 1.70E-19 103.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000026024 6573 392.9 UdeM00000026024 XP_021352792.1 30.3 814
504 16 64 855 102 874 1.00E-105 392.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026025 400727 379.4 UdeM00000026025 XP_025088349.1 30.2
825 508 15 39 812 746 1553 1.10E-101 379.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000026026 1735272 402.9 UdeM00000026026 XP_041362996.1 32.2
852 519 19 48 854 51 888 1.00E-108 402.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026027 400727 189.1 UdeM00000026027 XP_025088349.1 30.2
420 261 6 8 399 882 1297 1.10E-44 189.1 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000026028 6579 145.6 UdeM00000026028 XP_033746771.1 37.2 207
99 3 13 188 659 865 6.50E-32 145.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026029 6596 104 UdeM00000026029 XP_045184054.1 30.3 228
150 4 77 299 78 301 3.40E-19 104 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026030 400727 386.3 UdeM00000026030 XP_025088349.1 30.9
822 512 16 51 827 743 1553 9.50E-104 386.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000026031 6596 248.1 UdeM00000026031 XP_045189093.1 25.3 875
436 24 54 725 71 930 3.50E-62 248.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026032 1735272 116.7 UdeM00000026032 XP_041347857.1 35.3
235 140 6 101 334 68 291 5.70E-23 116.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026033 6596 433 UdeM00000026033 XP_045166791.1 48.3 511
 217 7 17 489 16 517 5.20E-118 433 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026034 6596 441.8 UdeM00000026034 XP_045166791.1 49.3 511
 212 7 7 479 16 517 1.10E-120 441.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026035 400727 84.7 UdeM00000026035 XP_025108479.1 63.8
 58 21 0 68 125 461 518 9.10E-14 84.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000026036 6596 507.3 UdeM00000026036 XP_045165618.1 64.4 354
 118 1 1 346 371 724 1.50E-140 507.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026037 6579 334.3 UdeM00000026037 XP_033746771.1 31.7 751
 461 14 8 723 132 865 3.80E-88 334.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026038 6596 1163.7 UdeM00000026038 XP_045164145.1 60.3
 918 329 4 1 903 1 898 0.00E+00 1163.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042681 6565 127.5 UdeM00000042681 XP_022322144.1 42.4 184
 88 4 34 204 6880 7058 6.60E-26 127.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042682 6565 127.5 UdeM00000042682 XP_022322144.1 42.4 184
 88 4 34 204 6880 7058 6.80E-26 127.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042683 29159 123.6 UdeM00000042683 XP_034301566.1 41.6 185
 90 4 34 205 5291 5470 5.20E-25 123.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042685 6596 416 UdeM00000042685 XP_045171571.1 77.1 279
 62 2 400 677 386 663 1.00E-112 416 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042686 1735272 397.9 UdeM00000042686 XP_041371313.1 41.5
506 176 6 1 386 1 506 1.50E-107 397.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042687 6596 135.6 UdeM00000042687 XP_045194227.1 47.8 136
68 2 1 133 1 136 6.60E-29 135.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042688 6596 135.6 UdeM00000042688 XP_045194227.1 47.8 136
68 2 1 133 1 136 6.10E-29 135.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042689 37621 229.6 UdeM00000042689 XP_014679850.1 53.6 222
95 2 2 215 33 254 4.00E-57 229.6 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000042690 37621 230.3 UdeM00000042690 XP_014679849.1 54.5 191
80 3 2 185 433 623 2.00E-57 230.3 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000042691 37621 317 UdeM00000042691 XP_014679849.1 61.6 258
98 1 8 264 150 407 2.30E-83 317 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000042692 34632 88.6 UdeM00000042692 XP_037501252.1 47.3 91
46 1 1 89 29 119 6.50E-15 88.6 34632 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Rhipicephalus sanguineus group;Rhipicephalus sanguineus

UdeM00000042693 29159 62.4 UdeM00000042693 XP_034315424.1 36.1 108
60 3 12 116 213 314 6.60E-07 62.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042695 6579 95.5 UdeM00000042695 XP_033740007.1 48.3 118
53 4 1 117 267 377 4.80E-17 95.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042696 6596 110.5 UdeM00000042696 XP_045180324.1 33.3 222
115 5 2 222 16 205 3.10E-21 110.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042697 6596 134.4 UdeM00000042697 XP_045202653.1 47.3 186
84 4 13 193 89 265 1.60E-28 134.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042698 6565 411.8 UdeM00000042698 XP_022321305.1 60.7 305
117 3 12 316 12 313 8.10E-112 411.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042699 6573 428.7 UdeM00000042699 XP_021375943.1 62.6 310
113 3 6 315 5 311 6.40E-117 428.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042700 6596 111.7 UdeM00000042700 XP_045193481.1 42.2 225
110 3 6 215 109 328 1.20E-21 111.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042701 6573 501.5 UdeM00000042701 XP_021375943.1 71.7 311
86 2 4 314 3 311 7.70E-139 501.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042702 45264 109 UdeM00000042702 XP_044175116.1 28.2 341
191 16 204 501 1710 2039 2.10E-20 109 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000042703 6596 103.2 UdeM00000042703 XP_045208431.1 33.5 167
101 4 35 194 173 336 6.90E-19 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042704 6565 269.6 UdeM00000042704 XP_022312087.1 31.6 427
283 4 33 455 35 456 9.60E-69 269.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042705 6596 107.8 UdeM00000042705 XP_045208432.1 38.7 173
90 7 34 194 235 403 2.40E-20 107.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042706 7741 545.4 UdeM00000042706 XP_019633472.1 36.4 720
 428 14 195 907 206 902 1.60E-151 545.4 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000042707 6596 186 UdeM00000042707 XP_045169700.1 29 434
 250 18 21 426 19 422 1.30E-43 186 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042708 6596 122.9 UdeM00000042708 XP_045213958.1 29.7 310
 164 14 162 427 444 743 1.00E-24 122.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042709 1529436 64.3 UdeM00000042709 XP_033121815.1 24
 208 122 6 62 233 137 344 5.00E-07 64.3 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica

UdeM00000042710 1529436 64.3 UdeM00000042710 XP_033121815.1 24
 208 122 6 62 233 137 344 3.00E-07 64.3 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica

UdeM00000042711 29159 126.3 UdeM00000042711 XP_011417772.2 39.5 200
 100 7 283 471 142 331 1.10E-25 126.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042712 6579 750.4 UdeM00000042712 XP_033744592.1 56.9 615
 256 5 4 617 6 612 1.90E-213 750.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042713 6596 87.8 UdeM00000042713 XP_045209173.1 54.1 74
 29 1 43 111 94 167 9.40E-15 87.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042714 6579 745.7 UdeM00000042714 XP_033744592.1 56.9 615
 256 5 4 617 6 612 4.60E-212 745.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042715 6596 85.1 UdeM00000042715 XP_045209173.1 52.7 74
 30 1 43 111 94 167 6.30E-14 85.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042716 6596 167.9 UdeM00000042716 XP_045186732.1 38.3 240
132 3 5 235 1228 1460 1.50E-38 167.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042717 1735272 470.7 UdeM00000042717 XP_041373332.1 59.9
369 142 2 5 367 1 369 1.70E-129 470.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042718 6596 112.8 UdeM00000042718 XP_045193481.1 53.5 155
69 1 6 157 109 263 5.70E-22 112.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042719 6596 79.3 UdeM00000042719 XP_045193481.1 63.5 96
35 0 6 101 109 204 5.50E-12 79.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042720 218467 218 UdeM00000042720 XP_023242170.1 51.5
206 100 0 1 206 88 293 1.70E-53 218 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000042722 6596 213 UdeM00000042722 XP_045207406.1 70.2 141
41 1 1 140 1 141 6.60E-52 213 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042723 29159 193.4 UdeM00000042723 XP_011419849.2 65.4 133
46 0 1 133 1 133 2.30E-46 193.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042724 6579 397.1 UdeM00000042724 XP_033733242.1 59.4 308
124 1 1 307 136 443 2.00E-107 397.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042726 6596 492.7 UdeM00000042726 XP_045185175.1 64.7 377
130 2 45 420 64 438 4.80E-136 492.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042727 6596 651.4 UdeM00000042727 XP_045207143.1 53.7 670
 246 8 20 638 1104 1760 1.30E-183 651.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042728 6596 826.2 UdeM00000042728 XP_045207145.1 44.8 1200
 488 26 15 1151 7 1095 5.00E-236 826.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042729 6596 112.8 UdeM00000042729 XP_045180427.1 39 177
 105 2 76 250 98 273 6.50E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042730 6596 616.7 UdeM00000042730 XP_045208029.1 43.9 982
 328 14 9 778 2 972 4.10E-173 616.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042731 6596 658.3 UdeM00000042731 XP_045208029.1 42.7 1089
 377 18 9 881 2 1059 1.40E-185 658.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042732 6596 224.2 UdeM00000042732 XP_045210219.1 47.6 267
 134 4 316 579 240 503 4.40E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042733 1735272 595.5 UdeM00000042733 XP_041373425.1 64.9
 538 155 12 12 541 187 698 6.80E-167 595.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042734 6579 318.2 UdeM00000042734 XP_033757865.1 87.1 171
 22 0 6 176 7 177 6.80E-84 318.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042735 6596 945.3 UdeM00000042735 XP_045207764.1 70.4 672
 197 2 11 681 11 681 4.40E-272 945.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042736 6596 938.7 UdeM00000042736 XP_045207764.1 70 676
 197 3 11 685 11 681 4.10E-270 938.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042737 6596 82.4 UdeM00000042737 XP_045185209.1 26.1 180
 113 4 167 331 257 431 1.20E-12 82.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042738 6596 82 UdeM00000042738 XP_045185209.1 26.7 180
 112 4 155 319 257 431 1.50E-12 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042739 6596 82 UdeM00000042739 XP_045185209.1 26.7 180
 112 4 175 339 257 431 1.60E-12 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042740 133434 230.7 UdeM00000042740 XP_022107440.1 48.9
 225 109 3 44 265 61 282 2.20E-57 230.7 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci

UdeM00000042741 6596 70.5 UdeM00000042741 XP_045184309.1 31.3 195
 124 4 36 225 247 436 3.30E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042742 133434 235.7 UdeM00000042742 XP_022107440.1 49.1
 226 109 2 43 265 60 282 6.70E-59 235.7 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci

UdeM00000042743 6596 223.4 UdeM00000042743 XP_045176242.1 52.2 209
 96 4 48 255 75 280 3.30E-55 223.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042744 6596 79.3 UdeM00000042744 XP_045185209.1 25.6 180
 114 4 119 283 257 431 8.70E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042745 6596 228.8 UdeM00000042745 XP_045185790.1 51.9 208
 98 2 54 261 103 308 8.30E-57 228.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042747 6596 231.5 UdeM00000042747 XP_045185790.1 52.4 208
 97 2 48 255 103 308 1.20E-57 231.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042748 6596 213.8 UdeM00000042748 XP_045186150.1 48.2 197
 101 1 3 199 100 295 2.10E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042749 6596 83.6 UdeM00000042749 XP_045185209.1 25.7 171
 107 4 46 201 266 431 3.30E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042750 133434 159.5 UdeM00000042750 XP_022107440.1 51.3
 152 71 2 4 152 131 282 3.50E-36 159.5 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000042751 6596 84 UdeM00000042751 XP_045185209.1 26.7 180
 112 4 84 248 257 431 3.10E-13 84 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042752 6596 73.2 UdeM00000042752 XP_045184309.1 32.1 156
 85 6 150 290 287 436 6.40E-10 73.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040212 48498 170.2 UdeM00000040212 XP_020627207.1 34.3 303
 135 6 199 500 570 809 6.60E-39 170.2 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000040215 10228 65.1 UdeM00000040215 XP_002118407.1 33.1 121
 73 4 19 132 376 495 9.60E-08 65.1 10228 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
 e;Trichoplax;Trichoplax adhaerens
 UdeM00000040217 6565 64.3 UdeM00000040217 XP_022290516.1 40 75
 43 2 2 76 284 356 7.90E-08 64.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000040220 6573 231.9 UdeM00000040220 XP_021365681.1 33.5 496
 285 20 133 610 937 1405 2.30E-57 231.9 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000040221 37653 60.8 UdeM00000040221 XP_014782194.1 67.6 34
 11 0 5 38 5 38 8.30E-07 60.8 37653 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct
 opoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
 UdeM00000040222 6565 211.8 UdeM00000040222 XP_022307464.1 73.9 138
 36 0 1 138 229 366 5.50E-52 211.8 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000040223 6579 259.6 UdeM00000040223 XP_033728272.1 57.3 218
 90 1 3 217 9 226 4.50E-66 259.6 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000040226 2607531 89.4 UdeM00000040226 XP_029633614.1 46.4
 84 45 0 1 84 16 99 2.80E-15 89.4 2607531
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct
 opoda; Incirrata; Octopodidae; Octopus; Octopus sinensis
 UdeM00000040229 7574 602.1 UdeM00000040229 XP_013382110.1 48.3 603
 287 8 1 602 37 615 8.00E-169 602.1 7574 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
 guloidea; Lingulidae; Lingula; Lingula anatina
 UdeM00000040230 7574 620.9 UdeM00000040230 XP_013384628.1 60 525
 184 4 1 509 33 547 1.50E-174 620.9 7574 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
 guloidea; Lingulidae; Lingula; Lingula anatina
 UdeM00000040231 1735272 122.9 UdeM00000040231 XP_041373507.1 32.9
 255 158 8 18 265 66 314 1.00E-24 122.9 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000040234 1735272 248.8 UdeM00000040234 XP_041372788.1 31.8
 584 359 21 195 759 767 1330 2.70E-62 248.8 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000040237 6579 136 UdeM00000040237 XP_033725289.1 50.4 127
 62 1 7 133 380 505 3.60E-29 136 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040239 6579 132.1 UdeM00000040239 XP_033725289.1 50.8 122
59 1 2 123 385 505 4.80E-28 132.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040238 6579 82.8 UdeM00000040238 XP_033725289.1 50 70
35 0 2 71 385 454 2.10E-13 82.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040245 6579 132.1 UdeM00000040245 XP_033725289.1 50.8 122
59 1 2 123 385 505 4.80E-28 132.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040246 6579 82.8 UdeM00000040246 XP_033725289.1 50 70
35 0 2 71 385 454 2.10E-13 82.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043678 83332 391.7 UdeM00000043678 NP_216444.1 76.5 255 60
0 1 255 1 255 7.00E-106 391.7 83332 cellular
organisms;Bacteria;Terrabacteria
group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv
UdeM00000043679 83332 235 UdeM00000043679 NP_216413.1 82.4 142 25
0 1 142 1 142 6.10E-59 235 83332 cellular
organisms;Bacteria;Terrabacteria
group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv
UdeM00000043671 6596 214.9 UdeM00000043671 XP_045173349.1 36.7 379
224 12 50 422 54 422 3.10E-52 214.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043672 6596 122.5 UdeM00000043672 XP_045180427.1 34.7 274
146 5 1 242 1 273 8.00E-25 122.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043675 48498 154.5 UdeM00000043675 XP_020608168.1 27.4 486
269 20 32 483 100 535 4.90E-34 154.5 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000043676 7739 589.3 UdeM00000043676 XP_035696678.1 58 479
198 1 4 479 425 903 4.50E-165 589.3 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000042945 6565 122.1 UdeM00000042945 XP_022299602.1 46.2 132
68 3 53 183 2 131 2.80E-24 122.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042946 105023 260.4 UdeM00000042946 XP_015828284.1 37.1
391 224 6 6 382 151 533 3.60E-66 260.4 105023
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothobranchius furzeri

UdeM00000042947 6596 115.2 UdeM00000042947 XP_045191793.1 36.1 191
107 6 3 187 785 966 1.40E-22 115.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042948 6596 339.7 UdeM00000042948 XP_045177776.1 34.8 586
300 11 1 581 405 913 7.20E-90 339.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042949 6596 75.9 UdeM00000042949 XP_045180710.1 42.9 112
55 3 14 124 321 424 7.30E-11 75.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042950 6573 154.5 UdeM00000042950 XP_021368347.1 24.3 667
441 21 26 665 26 655 4.90E-34 154.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042951 6573 117.9 UdeM00000042951 XP_021341731.1 20.6 500
359 9 31 502 190 679 3.90E-23 117.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042952 6596 110.9 UdeM00000042952 XP_045163810.1 34.5 223
117 8 104 304 112 327 2.90E-21 110.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042953 6596 110.5 UdeM00000042953 XP_045163871.1 32.8 268
154 11 26 276 39 297 3.40E-21 110.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042954 6596 110.5 UdeM00000042954 XP_045163871.1 32.8 268
154 11 26 276 39 297 3.40E-21 110.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042955 29159 94 UdeM00000042955 XP_034316342.1 33.3 156
94 4 2 157 20 165 2.10E-16 94 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042957 6565 115.9 UdeM00000042957 XP_022299602.1 40.6 143
82 3 143 284 2 142 1.60E-22 115.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042958 6565 292.7 UdeM00000042958 XP_022295545.1 45.3 287
143 5 1 280 137 416 4.90E-76 292.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042959 6596 335.5 UdeM00000042959 XP_045177779.1 40.5 486
257 8 1 460 97 576 1.40E-88 335.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042960 6596 335.5 UdeM00000042960 XP_045177779.1 40.5 486
257 8 1 460 97 576 1.20E-88 335.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042961 7888 81.6 UdeM00000042961 XP_043943985.1 82.7 52
9 0 37 88 1142 1193 5.90E-13 81.6 7888 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes;Lepidosirenoidei;Protopterygidae;Protopterygus;Protopterygus annectens

UdeM00000042963 6596 97.8 UdeM00000042963 XP_045171351.1 44.6 121
64 2 1 118 248 368 1.30E-17 97.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042964 6596 106.7 UdeM00000042964 XP_045188177.1 44.8 125
46 2 20 135 46 156 3.10E-20 106.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042965 6596 185.7 UdeM00000042965 XP_045177776.1 39.1 253
 127 3 3 255 711 936 1.40E-43 185.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042966 6573 128.3 UdeM00000042966 XP_021365351.1 65.9 88
 26 1 1 88 1 84 5.00E-27 128.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042968 6579 99.4 UdeM00000042968 XP_033750136.1 30.4 168
 108 4 18 184 55 214 5.20E-18 99.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042967 6596 202.6 UdeM00000042967 XP_045177776.1 41.2 243
 137 4 3 243 695 933 1.20E-48 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042969 6596 203.8 UdeM00000042969 XP_045191793.1 39.5 334
 167 8 1 331 258 559 3.60E-49 203.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042970 6596 199.5 UdeM00000042970 XP_045191793.1 39.6 308
 159 7 1 305 258 541 6.30E-48 199.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042971 29159 72.8 UdeM00000042971 XP_019928965.2 43.3 127
 61 3 41 162 293 413 8.50E-10 72.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042972 6596 355.5 UdeM00000042972 XP_045177776.1 35.8 601
 298 14 1 595 405 923 1.80E-94 355.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042975 6565 122.1 UdeM00000042975 XP_022299602.1 46.2 132
 68 3 53 183 2 131 2.80E-24 122.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042976 105023 250 UdeM00000042976 XP_015828284.1 36.8
 391 225 6 6 382 151 533 4.90E-63 250 105023
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypripinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothobranchius furzeri

UdeM00000042977 6596 109.8 UdeM00000042977 XP_045191793.1 30.8 237
142 7 3 233 785 1005 5.90E-21 109.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042978 6596 375.9 UdeM00000042978 XP_045177776.1 40 525
291 10 1 517 405 913 1.00E-100 375.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042979 6596 376.3 UdeM00000042979 XP_045177776.1 40 525
291 10 1 517 405 913 6.20E-101 376.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042980 6565 350.1 UdeM00000042980 XP_022345813.1 57.8 322
129 4 115 432 174 492 5.50E-93 350.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042981 6565 340.9 UdeM00000042981 XP_022345813.1 58.2 311
123 4 1 307 185 492 2.70E-90 340.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042982 6579 207.2 UdeM00000042982 XP_033761983.1 35.5 355
221 5 29 381 221 569 3.60E-50 207.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042983 6579 206.5 UdeM00000042983 XP_033761983.1 36.1 341
211 4 5 344 235 569 5.60E-50 206.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042984 74926 149.4 UdeM00000042984 XP_044862561.1 58.2 122
49 2 61 181 173 293 4.30E-33 149.4 74926 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys mutica

UdeM00000042985 6596 256.5 UdeM00000042985 XP_045180761.1 87.2 148
17 1 2 149 61 206 2.10E-65 256.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042986 1735272 412.9 UdeM00000042986 XP_041372570.1 52
356 168 1 8 363 28 380 4.20E-112 412.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042987 6565 837.8 UdeM00000042987 XP_022345813.1 76.5 639
136 7 2 629 5 640 9.20E-240 837.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042988 6565 819.3 UdeM00000042988 XP_022345813.1 75.6 640
139 8 2 628 5 640 3.40E-234 819.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042989 29159 347.4 UdeM00000042989 XP_034300904.1 76.3 354
71 6 178 522 291 640 3.20E-92 347.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042990 29159 336.3 UdeM00000042990 XP_034300904.1 74.4 355
80 5 314 659 288 640 9.10E-89 336.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042991 7054 151.4 UdeM00000042991 XP_031339438.1 89.7 87
9 0 93 179 535 621 1.20E-33 151.4 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elaterriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000042992 105785 165.2 UdeM00000042992 XP_023711973.1 52.1
217 86 7 262 470 420 626 2.00E-37 165.2 105785

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidea;Kalotermitidae;Cryptotermitinae;Cryptotermitidae;Cryptotermitidae secundus

UdeM00000042993 105785 166 UdeM00000042993 XP_023711973.1 52.1
217 87 7 262 471 420 626 1.20E-37 166 105785

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidea;Kalotermitidae;Cryptotermitinae;Cryptotermitidae;Cryptotermitidae secundus

UdeM00000042994 105785 151.4 UdeM00000042994 XP_023712647.1 46.7
227 110 5 384 608 408 625 3.90E-33 151.4 105785

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Polyneoptera;Dictyoptera;Blattodea;Blattoidea;Termitoidea;Kalotermitidae;Cryptotermitinae;Cryptotermes;Cryptotermes secundus

UdeM00000042995 6565 150.2 UdeM00000042995 XP_022345813.1 56.6 244
98 3 369 607 400 640 8.60E-33 150.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042996 7054 141.4 UdeM00000042996 XP_031339438.1 86.2 87
12 0 520 606 533 619 4.00E-30 141.4 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000042997 7054 141.4 UdeM00000042997 XP_031339438.1 86.2 87
12 0 521 607 533 619 4.00E-30 141.4 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000042998 7054 141.4 UdeM00000042998 XP_031339438.1 86.2 87
12 0 521 607 533 619 4.00E-30 141.4 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000042999 7054 141.4 UdeM00000042999 XP_031339438.1 86.2 87
12 0 520 606 533 619 4.00E-30 141.4 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000043000 6565 124.4 UdeM00000043000 XP_022302504.1 27.5 309
203 8 13 315 4 297 2.70E-25 124.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043001 6565 154.5 UdeM00000043001 XP_022345813.1 62.6 139
43 3 1 131 332 469 1.30E-34 154.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043002 7054 150.6 UdeM00000043002 XP_031339438.1 91.8 85
7 0 91 175 535 619 2.00E-33 150.6 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000043003 29159 169.9 UdeM00000043003 XP_011449844.1 23 699
481 18 9 665 1 684 1.10E-38 169.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043004 6596 1634.8 UdeM00000043004 XP_045209328.1 34.3
2898 1660 50 1 2774 40 2818 0.00E+00 1634.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043005 1415580 129.8 UdeM00000043005 XP_030075314.1 48.9
135 68 1 1 135 1 134 2.60E-27 129.8 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor

UdeM00000043006 7757 325.1 UdeM00000043006 XP_032835197.1 77.3 211
47 1 2 212 149 358 1.00E-85 325.1 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
s;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000043007 1415580 103.2 UdeM00000043007 XP_030075314.1 70.8
72 21 0 2 73 554 625 1.40E-19 103.2 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor

UdeM00000043008 29159 102.1 UdeM00000043008 XP_034316161.1 44 134
67 3 3 132 853 982 1.00E-18 102.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043009 1250792 159.5 UdeM00000043009 XP_041861569.1 43
200 110 3 12 210 460 656 4.80E-36 159.5 1250792
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000043010 1250792 159.5 UdeM00000043010 XP_041861569.1 43
200 110 3 12 210 460 656 4.80E-36 159.5 1250792
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000043011 8240 136.3 UdeM00000043011 XP_042277598.1 43.2 176
81 5 1 165 1 168 3.50E-29 136.3 8240 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Pelagiaria;Scombriformes;Scombr
 idae;Scombrinae;Thunnini;Thunnus;Thunnus maccoyii
 UdeM00000043012 6573 78.2 UdeM00000043012 XP_021380144.1 25.4 177
 123 4 96 267 29 201 2.00E-11 78.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043013 6573 69.7 UdeM00000043013 XP_021380144.1 29.4 136
 87 4 61 192 31 161 4.90E-09 69.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043015 7574 245.7 UdeM00000043015 XP_013384663.1 47.9 238
 123 1 1 237 224 461 5.90E-62 245.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000043014 7574 457.6 UdeM00000043014 XP_013418391.1 47.9 457
 232 3 3 454 5 460 1.90E-125 457.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000043016 6573 229.9 UdeM00000043016 XP_021354380.1 59.4 224
 69 7 1 216 314 523 3.00E-57 229.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043017 6565 276.6 UdeM00000043017 XP_022322164.1 54.6 295
 111 7 1 289 1 278 4.00E-71 276.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043018 7741 168.7 UdeM00000043018 XP_019632855.1 53.9 141
 64 1 35 174 35 175 6.60E-39 168.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000043019 6596 973.4 UdeM00000043019 XP_045180972.1 73.3 643
 169 3 1 642 1 641 1.40E-280 973.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043021 6596 266.5 UdeM00000043021 XP_045181639.1 60.7 196
 76 1 31 226 16 210 3.00E-68 266.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043022 7574 295.4 UdeM00000043022 XP_013400769.1 66.1 224
 72 3 6 227 36 257 6.10E-77 295.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000043023 6579 279.3 UdeM00000043023 XP_033752861.1 35.1 425
238 6 4 394 36 456 7.80E-72 279.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043024 6596 288.9 UdeM00000043024 XP_045191172.1 51.8 280
127 4 16 291 15 290 7.30E-75 288.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043025 6596 287 UdeM00000043025 XP_045191172.1 54.7 258
113 3 7 260 33 290 2.50E-74 287 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043026 6565 93.2 UdeM00000043026 XP_022317300.1 37.4 171
91 4 21 185 252 412 3.80E-16 93.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043027 6596 85.1 UdeM00000043027 XP_045174639.1 47.9 71
37 0 1 71 69 139 4.00E-14 85.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043028 225164 105.1 UdeM00000043028 XP_009058199.1 52.3
107 44 2 1 107 1 100 5.50E-20 105.1 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000043029 6579 141.7 UdeM00000043029 XP_033752673.1 71.8 85
24 0 4 88 568 652 4.40E-31 141.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043030 7604 418.3 UdeM00000043030 XP_033641066.1 53.2 378
154 1 4 358 3 380 9.90E-114 418.3 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulataida;Asteroiidae;Asterias;Asterias rubens

UdeM00000043031 7604 404.1 UdeM00000043031 XP_033641066.1 57.2 327
140 0 4 330 3 329 1.80E-109 404.1 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulataida;Asteroiidae;Asterias;Asterias rubens

UdeM00000043032 6596 365.9 UdeM00000043032 XP_045177776.1 37 613
294 12 9 619 398 920 1.30E-97 365.9 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euherterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000043033 29159 142.5 UdeM00000043033 XP_034331610.1 48.3 149
76 1 108 256 836 983 7.40E-31 142.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriormorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000043034 6596 285.4 UdeM00000043034 XP_045191172.1 51.4 280
128 4 16 291 15 290 8.10E-74 285.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euherterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000043036 6596 138.7 UdeM00000043036 XP_045174364.1 38.2 246
135 6 27 262 174 412 1.10E-29 138.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euherterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000043035 6596 94.4 UdeM00000043035 XP_045174364.1 38.4 164
93 5 22 184 256 412 1.70E-16 94.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euherterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000043037 29159 67 UdeM00000043037 XP_034316142.1 50.7 69
29 1 121 189 180 243 3.00E-08 67 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriormorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000043038 225164 109.4 UdeM00000043038 XP_009058199.1 50
118 51 3 1 117 1 111 3.30E-21 109.4 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000043039 6579 194.9 UdeM00000043039 XP_033752673.1 39.8 256
56 1 23 180 397 652 8.90E-47 194.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriormorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000043040 225164 140.2 UdeM00000043040 XP_009058199.1 67.4
92 30 0 14 105 574 665 1.50E-30 140.2 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000043041 7604 406 UdeM00000043041 XP_033641066.1 58.1 327
136 1 4 329 3 329 4.70E-110 406 7604 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Forcipulatacea; Forcipulatacida; Asteroiidae; Asterias; Asterias rubens

UdeM00000043042 6596 193 UdeM00000043042 XP_045179269.1 41.8 244
 120 2 86 329 258 479 1.00E-45 193 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043043 151771 253.1 UdeM00000043043 XP_028395849.1 29.5
 643 390 20 1 613 3 612 9.40E-64 253.1 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000043044 6596 167.2 UdeM00000043044 XP_045191793.1 35.6 337
 161 8 1 331 258 544 4.00E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043045 6565 94.7 UdeM00000043045 XP_022299727.1 39.8 133
 73 2 1 131 46 173 9.10E-17 94.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043046 400727 1438.3 UdeM00000043046 XP_025091816.1
 80 893 161 6 29 905 52 942 0.00E+00 1438.3
 400727 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000043047 6596 323.2 UdeM00000043047 XP_045181110.1 34.5 609
 352 17 29 596 32 634 8.40E-85 323.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043048 6596 149.4 UdeM00000043048 XP_045206702.1 25.8 399
 243 7 7 399 385 736 1.00E-32 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043049 6596 312.4 UdeM00000043049 XP_045181110.1 32.7 682
 413 18 29 673 32 704 1.50E-81 312.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043051 45264 358.6 UdeM00000043051 XP_044171434.1 31.1 874
 526 16 6 819 4 861 2.10E-95 358.6 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000043052 6596 158.7 UdeM00000043052 XP_045160701.1 31.3 329
 212 4 31 356 65 382 1.70E-35 158.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043053 7668 108.6 UdeM00000043053 XP_786433.3 43.6 140 50
4 6 145 33 143 1.10E-20 108.6 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000043054 6579 310.8 UdeM00000043054 XP_033727553.1 43.7 426
195 9 68 464 94 503 2.90E-81 310.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043055 6596 142.5 UdeM00000043055 XP_045180506.1 42 226
120 6 6 226 4 223 6.50E-31 142.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043056 1735272 265.8 UdeM00000043056 XP_041361764.1 39.9
346 183 9 347 681 1329 1660 3.50E-67 265.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043057 42526 119 UdeM00000043057 XP_036444721.1 25.9 320
189 12 84 387 432 719 1.30E-23 119 42526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiformes;Characidae;Serrasalminidae;Colossoma;Colossoma macropomum

UdeM00000043058 29159 345.1 UdeM00000043058 XP_034333813.1 51.3 267
127 1 1 267 630 893 7.90E-92 345.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043060 6596 350.9 UdeM00000043060 XP_045189084.1 30.5 774
395 15 1 769 1350 1985 5.30E-93 350.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043061 6573 100.5 UdeM00000043061 XP_021380144.1 26.3 228
160 5 16 240 12 234 3.10E-18 100.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043062 6573 92.8 UdeM00000043062 XP_021380144.1 24.6 236
167 5 6 233 2 234 6.20E-16 92.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043063 6573 103.2 UdeM00000043063 XP_021380144.1 26.1 207
 147 4 36 239 31 234 4.70E-19 103.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043065 6573 100.5 UdeM00000043065 XP_021380144.1 26.4 208
 145 5 5 208 31 234 2.70E-18 100.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043064 6573 100.9 UdeM00000043064 XP_021380144.1 26.4 208
 145 5 36 239 31 234 2.30E-18 100.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043066 6596 355.9 UdeM00000043066 XP_045180939.1 54.3 381
 141 13 195 574 282 630 1.10E-94 355.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000043067 6565 83.2 UdeM00000043067 XP_022328742.1 49.8 225
 81 6 1 218 467 666 4.60E-13 83.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043068 6596 64.7 UdeM00000043068 XP_045180939.1 30.6 186
 85 3 1 143 679 863 1.10E-07 64.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000043069 6596 483.4 UdeM00000043069 XP_045180845.1 36.9 1214
 534 41 18 1045 12 1179 1.10E-132 483.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000043070 6579 269.6 UdeM00000043070 XP_033726589.1 60 220
 86 1 15 232 9 228 3.60E-69 269.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043071 6596 334.7 UdeM00000043071 XP_045180350.1 77.4 212
 48 0 1 212 1 212 8.40E-89 334.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000043072 6596 247.7 UdeM00000043072 XP_045180349.1 32.9 516
 279 11 4 461 5 511 3.20E-62 247.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043073 6565 181 UdeM00000043073 XP_022304980.1 36 328
167 6 6 291 6 332 2.50E-42 181 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043074 6596 153.3 UdeM00000043074 XP_045191172.1 51.1 135
63 2 19 150 129 263 2.70E-34 153.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043075 6596 300.1 UdeM00000043075 XP_045191172.1 54.8 261
114 3 26 282 30 290 3.10E-78 300.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043076 6596 266.5 UdeM00000043076 XP_045191172.1 51 261
114 3 16 262 30 290 3.50E-68 266.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043077 6596 301.6 UdeM00000043077 XP_045191172.1 54.8 261
114 3 49 305 30 290 1.20E-78 301.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043078 6596 378.6 UdeM00000043078 XP_045177776.1 40.2 565
280 10 9 569 398 908 1.80E-101 378.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043079 29159 101.7 UdeM00000043079 XP_034307807.1 35.7 171
99 5 2 171 21 181 1.00E-18 101.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043081 2607531 300.8 UdeM00000043081 XP_029657462.1 56.3
277 121 0 92 368 7 283 2.80E-78 300.8 2607531

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000043082 29159 101.7 UdeM00000043082 XP_034307807.1 35.7 171
99 5 2 171 21 181 1.00E-18 101.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043083 2607531 303.9 UdeM00000043083 XP_029657462.1 56.3
 277 121 0 92 368 7 283 3.30E-79 303.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000043084 6596 358.6 UdeM00000043084 XP_045177776.1 35.2 660
 306 11 117 775 398 936 2.00E-95 358.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043085 7725 94 UdeM00000043085 XP_039265772.1 40.4 109
 64 1 5 113 143 250 1.60E-16 94 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
 clava
 UdeM00000043087 6565 86.7 UdeM00000043087 XP_022307899.1 34.7 167
 89 5 17 183 11 157 3.90E-14 86.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043086 6596 377.5 UdeM00000043086 XP_045177776.1 38.8 564
 287 8 84 638 398 912 4.70E-101 377.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043088 6596 377.9 UdeM00000043088 XP_045177776.1 38.8 564
 287 8 84 638 398 912 2.60E-101 377.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043089 6565 101.3 UdeM00000043089 XP_022308598.1 38.1 168
 94 5 2 168 21 179 1.30E-18 101.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043090 6596 151.4 UdeM00000043090 XP_045177776.1 43.4 182
 86 1 171 352 711 875 2.20E-33 151.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043091 6596 188.7 UdeM00000043091 XP_045177778.1 37.3 332
 173 7 1 331 405 702 1.30E-44 188.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043093 6573 133.7 UdeM00000043093 XP_021371428.1 52.9 119
 56 0 11 129 85 203 1.80E-28 133.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000043094 6565 59.3 UdeM00000043094 XP_022337642.1 46.9 64
33 1 2 65 201 263 2.40E-06 59.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043096 37653 119.4 UdeM00000043096 XP_014767494.1 76.1 71
17 0 62 132 931 1001 3.80E-24 119.4 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000043096 37653 82 UdeM00000043096 XP_014767494.1 73.5 49
13 0 2 50 539 587 6.70E-13 82 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000043097 6596 321.6 UdeM00000043097 XP_045177779.1 33.1 622
332 11 1 619 97 637 2.80E-84 321.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043099 29159 162.5 UdeM00000043099 XP_034317111.1 55.6 133
59 0 1 133 1 133 4.10E-37 162.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043100 6596 347.8 UdeM00000043100 XP_045177776.1 35.3 652
301 11 1 651 405 936 3.90E-92 347.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043101 7739 92.4 UdeM00000043101 XP_035659254.1 52.9 85
37 1 31 112 728 812 4.10E-16 92.4 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000043103 6596 192.6 UdeM00000043103 XP_045177778.1 37.4 313
170 6 1 306 405 698 7.50E-46 192.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043104 29159 101.7 UdeM00000043104 XP_034307807.1 35.7 171
99 5 2 171 21 181 1.00E-18 101.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043106 6596 65.9 UdeM00000043106 XP_045189084.1 42.9 77
44 0 1 77 1717 1793 4.80E-08 65.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043107 6596 339.3 UdeM00000043107 XP_045177779.1 35.3 612
 294 12 9 610 90 609 1.30E-89 339.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043110 29159 72 UdeM00000043110 XP_034307878.1 29 131
 91 2 1 131 92 220 1.40E-09 72 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043111 29159 213.8 UdeM00000043111 XP_034312908.1 28.2 650
 341 21 9 564 6 623 5.80E-52 213.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043112 6596 411.8 UdeM00000043112 XP_045182638.1 60.3 378
 67 3 31 325 794 1171 8.30E-112 411.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043115 29159 99.8 UdeM00000043115 XP_034307807.1 35.1 171
 100 5 2 171 21 181 3.90E-18 99.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043117 6596 182.2 UdeM00000043117 XP_045177776.1 32.9 362
 181 6 13 364 685 994 1.20E-42 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043118 6596 173.3 UdeM00000043118 XP_045180775.1 36.2 345
 173 9 1 326 1027 1343 5.80E-40 173.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043119 29159 100.9 UdeM00000043119 XP_034307582.1 34.3 169
 95 6 4 171 16 169 1.70E-18 100.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043120 6596 146.7 UdeM00000043120 XP_045177695.1 42.2 180
 87 1 29 208 185 347 3.40E-32 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043121 6596 191.8 UdeM00000043121 XP_045177778.1 38 329
 167 7 1 327 405 698 1.40E-45 191.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043122 29159 134.8 UdeM00000043122 XP_034339171.1 43.6 165
89 2 27 187 16 180 1.20E-28 134.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043123 6596 350.9 UdeM00000043123 XP_045177779.1 36.6 634
296 16 1 621 97 637 4.40E-93 350.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043124 6565 101.3 UdeM00000043124 XP_022308598.1 38.1 168
94 5 2 168 21 179 1.30E-18 101.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043125 6596 183.3 UdeM00000043125 XP_045177776.1 43.7 215
104 1 212 426 711 908 6.40E-43 183.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043126 1735272 158.3 UdeM00000043126 XP_041356266.1 52.8
142 59 1 9 142 81 222 7.30E-36 158.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043127 6596 188 UdeM00000043127 XP_045177778.1 37 332
174 7 1 331 405 702 2.20E-44 188 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043129 6573 133.7 UdeM00000043129 XP_021371428.1 52.9 119
56 0 11 129 85 203 1.80E-28 133.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043130 6565 59.3 UdeM00000043130 XP_022337642.1 46.9 64
33 1 2 65 201 263 2.40E-06 59.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043132 1735272 122.5 UdeM00000043132 XP_041360629.1 82.9
70 12 0 37 106 520 589 5.90E-25 122.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043133 63155 139 UdeM00000043133 XP_030575909.1 33.4 299
 52 4 37 188 524 822 6.40E-30 139 63155 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;New World
 cichlids;Cichlasomatinae;Heroini;Archocentrus;Archocentrus centrarchus
 UdeM00000043134 37653 119.8 UdeM00000043134 XP_014767494.1 76.1 71
 17 0 5 75 931 1001 1.80E-24 119.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000043135 6596 318.9 UdeM00000043135 XP_045177779.1 33.1 622
 332 11 1 619 97 637 1.90E-83 318.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043137 29159 162.5 UdeM00000043137 XP_034317111.1 55.6 133
 59 0 1 133 1 133 4.10E-37 162.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043138 6596 185.3 UdeM00000043138 XP_045177776.1 37.7 268
 125 4 171 438 711 936 2.60E-43 185.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043139 6596 186.4 UdeM00000043139 XP_045177778.1 37.3 330
 170 8 1 328 405 699 6.40E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043140 29159 72.4 UdeM00000043140 XP_034339171.1 53.8 65
 30 0 10 74 106 170 3.30E-10 72.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043141 6565 154.8 UdeM00000043141 XP_022337642.1 37.9 264
 122 6 2 263 201 424 1.60E-34 154.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043142 6596 354 UdeM00000043142 XP_045181788.1 33.8 692
 314 16 82 667 341 994 4.20E-94 354 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043143 6596 1198 UdeM00000043143 XP_045181276.1 77 709
 163 0 1 709 1 709 0.00E+00 1198 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043144 6596 351.7 UdeM00000043144 XP_045212788.1 32.4 623
 394 7 22 624 10 625 2.80E-93 351.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043145 6596 172.2 UdeM00000043145 XP_045181714.1 24.1 646
 449 17 25 654 19 639 2.30E-39 172.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043146 6565 60.1 UdeM00000043146 XP_022316782.1 57.1 42
 18 0 16 57 6 47 1.70E-06 60.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043147 29159 165.6 UdeM00000043147 XP_011420009.2 23.5 685
 457 17 16 667 4 654 2.10E-37 165.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043149 6579 78.6 UdeM00000043149 XP_033726925.1 37.9 103
 61 1 4 103 290 392 1.40E-11 78.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043150 6596 87 UdeM00000043150 XP_045210735.1 28 200
 129 2 19 203 411 610 6.80E-14 87 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043151 6565 194.1 UdeM00000043151 XP_022321940.1 25 675
 444 17 25 655 16 672 5.60E-46 194.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043152 6573 284.6 UdeM00000043152 XP_021365969.1 48 321
 148 7 70 376 81 396 4.80E-73 284.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043153 6596 191.8 UdeM00000043153 XP_045181714.1 25.2 644
 445 19 25 654 19 639 2.80E-45 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043154 7574 349.7 UdeM00000043154 XP_013383453.1 72.5 229
63 0 1 229 1 229 3.20E-93 349.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000043155 50390 349.7 UdeM00000043155 XP_028152069.1 75.6 246
59 1 11 256 3 247 3.10E-93 349.7 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera

UdeM00000043156 6596 2275.7 UdeM00000043156 XP_045164107.1 39.9
3494 1633 56 6 3164 659 4019 0.00E+00 2275.7 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043157 6596 2264.2 UdeM00000043157 XP_045164107.1 39.6
3514 1633 57 6 3184 659 4019 0.00E+00 2264.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043158 6596 74.7 UdeM00000043158 XP_045164107.1 34.7 124
80 1 2 124 536 659 1.20E-10 74.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043159 29159 265 UdeM00000043159 XP_034304924.1 35.4 393
247 5 2 393 110 496 1.50E-67 265 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043161 6596 1299.6 UdeM00000043161 XP_045164107.1 40.4
2058 840 37 72 1845 1006 2960 0.00E+00 1299.6 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000043162 29159 106.7 UdeM00000043162 XP_034305547.1 31.9 204
128 6 25 226 21 215 4.20E-20 106.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043163 6565 232.3 UdeM00000043163 XP_022327931.1 36.8 342
204 5 38 374 26 360 1.10E-57 232.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043164 7739 235.3 UdeM00000043164 XP_035696678.1 28.5 613
151 2 7 332 299 911 1.20E-58 235.3 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
UdeM00000043166 6596 229.6 UdeM00000043166 XP_045164107.1 39.4 320
186 4 32 348 750 1064 7.50E-57 229.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043165 6596 2082 UdeM00000043165 XP_045164107.1 40.7 3136
1428 43 32 2818 750 3802 0.00E+00 2082 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043169 6596 1175.6 UdeM00000043169 XP_045164107.1 40.4
1934 747 31 13 1608 1055 2920 0.00E+00 1175.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043170 6596 351.3 UdeM00000043170 XP_045177776.1 37.3 560
305 14 1 552 405 926 3.30E-93 351.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043171 6596 1275.8 UdeM00000043171 XP_045164107.1 46
1547 764 18 136 1655 2301 3802 0.00E+00 1275.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043173 1735272 462.2 UdeM00000043173 XP_041360663.1 36.5
897 462 25 76 908 852 1704 1.50E-126 462.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000043174 6596 215.3 UdeM00000043174 XP_045164107.1 44.4 261
89 3 18 274 2159 2367 9.60E-53 215.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000043175 6596 614.8 UdeM00000043175 XP_045164107.1 56.9 562
227 5 5 563 2416 2965 1.10E-172 614.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043176 29159 112.1 UdeM00000043176 XP_034305547.1 30.9 223
137 6 31 241 21 238 1.00E-21 112.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043177 6596 335.1 UdeM00000043177 XP_045177776.1 33.6 642
295 15 1 631 405 926 2.60E-88 335.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043178 6573 86.7 UdeM00000043178 XP_021354477.1 23.1 316
211 7 10 309 2877 3176 5.90E-14 86.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043179 6596 2079.7 UdeM00000043179 XP_045164107.1 44.7
2649 1106 32 11 2371 391 2969 0.00E+00 2079.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043180 6565 233 UdeM00000043180 XP_022327931.1 36.8 342
204 5 38 374 26 360 6.30E-58 233 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043181 29159 294.7 UdeM00000043181 XP_011423826.2 70 210
58 2 5 209 853 1062 9.60E-77 294.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043182 6596 332.8 UdeM00000043182 XP_045177779.1 35.6 584
301 11 1 581 97 608 1.20E-87 332.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043183 37653 184.5 UdeM00000043183 XP_014767494.1 66.4 149
24 2 34 156 939 1087 1.00E-43 184.5 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000043184 6596 1688.3 UdeM00000043184 XP_045164107.1 44.3
2245 1050 36 9 2161 1883 4019 0.00E+00 1688.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043185 6596 368.6 UdeM00000043185 XP_045164107.1 34.4 654
 389 9 671 1308 2929 3558 4.00E-98 368.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043186 1735272 464.9 UdeM00000043186 XP_041360663.1 36.9
 837 439 21 186 966 901 1704 2.60E-127 464.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000036313 6573 82.8 UdeM00000036313 XP_021375905.1 38.6 101
 62 0 667 767 508 608 2.60E-12 82.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036314 45264 113.6 UdeM00000036314 XP_044184343.1 35.4 195
 113 5 4 189 6 196 2.80E-22 113.6 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000036315 37621 135.2 UdeM00000036315 XP_014676916.1 31.2 330
 177 8 4 298 11 325 1.50E-28 135.2 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000036316 37621 134 UdeM00000036316 XP_014676916.1 30.6 314
 176 6 27 303 17 325 3.40E-28 134 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000036317 6596 1840.9 UdeM00000036317 XP_045192273.1 67.1
 1324 420 7 31 1344 34 1351 0.00E+00 1840.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036318 6596 867.8 UdeM00000036318 XP_045192268.1 62.7 740
 266 2 15 754 11 740 9.80E-249 867.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036319 1735272 108.6 UdeM00000036319 XP_041361447.1 37.6
 178 103 3 158 334 105 275 2.00E-20 108.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036320 225164 107.5 UdeM00000036320 XP_009054168.1 33.9
 168 111 0 42 209 37 204 2.70E-20 107.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000036321 225164 82.4 UdeM00000036321 XP_009054168.1 37.3
 126 79 0 42 167 37 162 1.10E-12 82.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000036322 260615 194.9 UdeM00000036322 XP_039398742.1 90
 110 11 0 11 120 316 425 5.90E-47 194.9 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
 oemydidae;Geoemydinae;Mauremys;Mauremys reevesii
 UdeM00000036323 6565 121.7 UdeM00000036323 XP_022339035.1 26.2 389
 254 7 1 376 1 369 2.90E-24 121.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036324 6573 127.1 UdeM00000036324 XP_021354240.1 24.5 694
 394 17 1 679 1 579 8.50E-26 127.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036325 6573 759.2 UdeM00000036325 XP_021371326.1 47.2 954
 380 23 19 916 15 900 6.40E-216 759.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036330 7574 81.6 UdeM00000036330 XP_013384628.1 41.5 94
 37 1 1 76 33 126 5.60E-13 81.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000036331 7574 132.1 UdeM00000036331 XP_013382110.1 64.1 92
 33 0 1 92 146 237 5.10E-28 132.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000036332 50429 113.6 UdeM00000036332 XP_022794541.1 30.1 249
 150 6 1 236 1 238 1.00E-21 113.6 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000036333 6596 295.8 UdeM00000036333 XP_045187150.1 38.5 447
 177 4 1 354 135 576 7.30E-77 295.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036334 6596 99.8 UdeM00000036334 XP_045158901.1 47.4 95
 49 1 1 94 10 104 2.00E-18 99.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036336 32536 60.5 UdeM00000036336 XP_014925952.2 30.7 101
 70 0 39 139 180 280 2.00E-06 60.5 32536 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Carnivora;Feliformia;Felidae;Acinonychinae;
 Acinonyx;Acinonyx jubatus
 UdeM00000036337 6565 59.7 UdeM00000036337 XP_022339059.1 33.9 127
 67 3 41 167 79 188 5.00E-06 59.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036339 6596 970.3 UdeM00000036339 XP_045191773.1 69.9 678
 175 6 1 649 199 876 1.20E-279 970.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036340 6596 217.6 UdeM00000036340 XP_045192358.1 46.2 266
 134 3 1 264 1 259 2.50E-53 217.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036341 225164 276.9 UdeM00000036341 XP_009058289.1 39.9
 398 216 8 2 386 6 393 3.80E-71 276.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000036342 6565 401.7 UdeM00000036342 XP_022343105.1 78.2 243
 53 0 4 246 22 264 6.50E-109 401.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036343 29159 537.3 UdeM00000036343 XP_011413833.2 60.2 500
 157 8 6 498 3 467 2.00E-149 537.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036344 6565 539.7 UdeM00000036344 XP_022343102.1 61.1 494
 154 8 6 491 3 466 4.00E-150 539.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036345 6579 1788.5 UdeM00000036345 XP_033754342.1 54.9
 2370 911 51 62 2365 1112 3389 0.00E+00 1788.5 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036346 6573 1003.8 UdeM00000036346 XP_021358263.1 55.3
 988 363 16 153 1098 119 1069 1.70E-289 1003.8 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036347 6579 136 UdeM00000036347 XP_033753925.1 29.3 485
 294 14 529 984 100 564 2.70E-28 136 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036348 6596 340.1 UdeM00000036348 XP_045194746.1 54.8 332
 145 4 232 562 86 413 5.30E-90 340.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036349 37621 76.3 UdeM00000036349 XP_014676916.1 40.6 101
 59 1 11 111 186 285 2.80E-11 76.3 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000036351 6596 261.2 UdeM00000036351 XP_045170038.1 50.2 265
 124 3 26 283 20 283 1.60E-66 261.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036352 6596 213.8 UdeM00000036352 XP_045170038.1 50.7 213
 97 3 26 231 20 231 3.80E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036353 7741 231.5 UdeM00000036353 XP_019614136.1 70.9 148
 43 0 7 154 248 395 7.30E-58 231.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000036354 225164 175.3 UdeM00000036354 XP_009059381.1 44.5
 211 96 4 23 225 86 283 9.10E-41 175.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000036355 6579 204.5 UdeM00000036355 XP_033754595.1 40.5 262
 151 3 1 258 17 277 1.70E-49 204.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036356 6596 618.2 UdeM00000036356 XP_045192514.1 41.8 1007
443 26 4 937 5 941 1.70E-173 618.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036357 6596 466.5 UdeM00000036357 XP_045197025.1 28.1 1262
565 32 52 1020 126 1337 8.90E-128 466.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036358 6596 332.4 UdeM00000036358 XP_045181767.1 50.8 307
134 5 109 409 121 416 8.10E-88 332.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036359 6565 341.7 UdeM00000036359 XP_022335607.1 47.3 355
175 5 20 373 29 372 1.20E-90 341.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000036360 6565 337.8 UdeM00000036360 XP_022335607.1 46.8 355
177 5 20 373 29 372 1.80E-89 337.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000036361 29159 68.2 UdeM00000036361 XP_034301186.1 22.4 407
285 10 75 477 327 706 4.60E-08 68.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000036364 6596 339 UdeM00000036364 XP_045192239.1 52.1 349
143 6 1 333 1 341 7.10E-90 339 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036365 6596 363.6 UdeM00000036365 XP_045193105.1 80.6 196
38 0 1 196 474 669 1.60E-97 363.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000036366 6596 553.1 UdeM00000036366 XP_045193105.1 70.3 381
106 5 94 469 65 443 3.50E-154 553.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036367 6596 124 UdeM00000036367 XP_045201862.1 32 269
 163 6 26 282 438 698 3.10E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036368 6596 211.8 UdeM00000036368 XP_045201862.1 37.4 337
 197 4 3 332 4 333 1.30E-51 211.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036369 6596 318.2 UdeM00000036369 XP_045201862.1 31.5 709
 441 12 3 680 4 698 2.60E-83 318.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036371 6596 89.4 UdeM00000036371 XP_045207652.1 29.5 264
 131 8 13 243 1710 1951 7.50E-15 89.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036372 6596 143.7 UdeM00000036372 XP_045170739.1 33.3 264
 152 3 2 241 3 266 3.10E-31 143.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036374 6596 216.1 UdeM00000036374 XP_045202244.1 34.6 373
 236 3 3 368 37 408 7.70E-53 216.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036376 6596 75.5 UdeM00000036376 XP_045207652.1 32.2 152
 90 3 40 184 1806 1951 8.70E-11 75.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036377 6596 101.3 UdeM00000036377 XP_045170739.1 30.5 203
 137 2 2 200 3 205 1.50E-18 101.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036378 6596 311.2 UdeM00000036378 XP_045201862.1 31.2 708
 442 13 3 678 4 698 3.20E-81 311.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036379 6596 302.8 UdeM00000036379 XP_045201862.1 31.1 711
 439 14 3 678 4 698 1.10E-78 302.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036380 6596 125.9 UdeM00000036380 XP_045207652.1 30.3 346
 200 11 2 321 1729 2059 9.30E-26 125.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036381 6596 97.8 UdeM00000036381 XP_045173969.1 41.8 122
 69 1 4 123 5 126 1.40E-17 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036382 6579 106.3 UdeM00000036382 XP_033753933.1 69.9 73
 22 0 247 319 239 311 7.30E-20 106.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036383 6596 498 UdeM00000036383 XP_045191367.1 55.8 489
 205 5 1 487 1 480 1.40E-137 498 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036384 6596 335.5 UdeM00000036384 XP_045192137.1 56.7 261
 113 0 74 334 73 333 7.80E-89 335.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036385 6565 504.6 UdeM00000036385 XP_022336671.1 73.8 343
 88 1 16 356 12 354 1.10E-139 504.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036388 6565 149.4 UdeM00000036388 XP_022335990.1 54.3 140
 27 1 1 103 432 571 2.50E-33 149.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036389 6565 159.1 UdeM00000036389 XP_022345797.1 58.8 131
 50 2 1 127 1 131 4.20E-36 159.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036390 6596 406.4 UdeM00000036390 XP_045192280.1 77.2 246
 56 0 8 253 351 596 2.80E-110 406.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036391 6596 476.1 UdeM00000036391 XP_045192279.1 60.7 428
 148 8 27 440 5 426 4.90E-131 476.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036392 6579 73.9 UdeM00000036392 XP_033739209.1 58.5 53
 22 0 9 61 2 54 8.60E-11 73.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036393 6573 465.3 UdeM00000036393 XP_021346496.1 40.2 602
 313 4 586 1153 103 691 2.20E-127 465.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036394 6596 106.7 UdeM00000036394 XP_045188277.1 28.9 225
 155 4 146 366 1 224 7.10E-20 106.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036395 6565 176 UdeM00000036395 XP_022305704.1 34.5 290
 150 3 1 290 208 457 6.90E-41 176 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036396 6579 169.9 UdeM00000036396 XP_033754252.1 73.3 105
 28 0 3 107 593 697 1.80E-39 169.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036397 6596 1008.4 UdeM00000036397 XP_045193080.1 71
 710 165 6 1 702 1 677 4.60E-291 1008.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036398 6579 141 UdeM00000036398 XP_033754439.1 47.9 144
 74 1 8 150 686 829 1.30E-30 141 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036399 6596 894.8 UdeM00000036399 XP_045193080.1 68.1 621
 190 3 2 618 811 1427 6.10E-257 894.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036400 6565 313.2 UdeM00000036400 XP_022337363.1 49.8 295
 144 3 11 302 15 308 3.80E-82 313.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000036401 6565 316.2 UdeM00000036401 XP_022337363.1 49.3 294
145 3 18 308 15 307 4.60E-83 316.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000036402 6579 216.9 UdeM00000036402 XP_033763653.1 54.2 177
80 1 1 177 140 315 2.10E-53 216.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036404 6596 275 UdeM00000036404 XP_045191913.1 79.3 174
34 1 10 181 11 184 7.70E-71 275 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036405 6579 339.3 UdeM00000036405 XP_033754389.1 60.9 253
99 0 2 254 1 253 4.20E-90 339.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036406 29159 692.2 UdeM00000036406 XP_011420047.2 63.7 502
181 1 14 514 251 752 5.00E-196 692.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000036407 6579 988 UdeM00000036407 XP_033730449.1 38.9 1749
982 34 209 1907 121 1832 1.80E-284 988 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036408 6579 1001.5 UdeM00000036408 XP_033730449.1 39.8
1732 950 36 228 1908 142 1832 1.50E-288 1001.5 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036410 6596 626.3 UdeM00000036410 XP_045193645.1 44 1172
600 21 1 1154 404 1537 8.00E-176 626.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036409 6573 1078.5 UdeM00000036409 XP_021379511.1 41.8
1458 769 28 242 1657 158 1577 0.00E+00 1078.5 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000036411 6596 1067.8 UdeM00000036411 XP_045193645.1 46.5
1588 768 25 433 1992 3 1537 0.00E+00 1067.8 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036412 6596 712.6 UdeM00000036412 XP_045192406.1 59.6 591
222 4 20 596 242 829 4.20E-202 712.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036413 6573 69.7 UdeM00000036413 XP_021379263.1 50 60
29 1 4 63 11 69 6.40E-09 69.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000036414 34816 61.2 UdeM00000036414 XP_035509052.1 63.2 38
14 0 8 45 37 74 2.10E-06 61.2 34816 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteoromorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae
sedis;Moronidae;Morone;Morone saxatilis
UdeM00000036415 6565 148.7 UdeM00000036415 XP_022286280.1 55.8 120
53 0 9 128 8 127 7.40E-33 148.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000036416 6579 146.4 UdeM00000036416 XP_033755905.1 62.3 114
43 0 4 117 147 260 2.40E-32 146.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036417 29159 848.2 UdeM00000036417 XP_011414220.2 28.1 2161
950 33 19 2155 254 1835 2.30E-242 848.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000036418 6596 1010.4 UdeM00000036418 XP_045193282.1 56.7
935 368 8 29 929 55 986 1.50E-291 1010.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036419 6596 1012.7 UdeM00000036419 XP_045193282.1 56.9
935 369 9 29 932 55 986 3.00E-292 1012.7 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000036420 6596 506.5 UdeM00000036420 XP_045192766.1 41.2 776
 401 15 98 856 84 821 6.50E-140 506.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036421 6596 504.6 UdeM00000036421 XP_045192766.1 41.4 776
 397 16 98 853 84 821 2.50E-139 504.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036422 6565 391 UdeM00000036422 XP_022335611.1 73.2 284
 70 3 1 283 1 279 1.40E-105 391 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036423 13686 213 UdeM00000036423 XP_011170408.3 45.5 235
 119 4 10 235 283 517 4.20E-52 213 13686 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsi
 s invicta

UdeM00000036425 400727 238 UdeM00000036425 XP_025114872.1 64.1
 184 53 3 1 183 1 172 1.10E-59 238 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000036426 6579 95.5 UdeM00000036426 XP_033727573.1 31.5 219
 126 6 13 208 45 262 1.30E-16 95.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036429 1529436 61.6 UdeM00000036429 XP_033095325.1 36
 75 47 1 1 75 139 212 4.90E-07 61.6 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica

UdeM00000036430 151771 152.5 UdeM00000036430 XP_028406951.1 34.6
 283 157 7 3 265 148 422 7.50E-34 152.5 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000036431 29159 211.1 UdeM00000036431 XP_011441989.1 52.7 184
 76 3 1 180 1 177 1.20E-51 211.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036432 1735272 364 UdeM00000036432 XP_041375090.1 47.5
 396 193 6 1 389 1 388 2.40E-97 364 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000036433 33528 83.6 UdeM00000036433 XP_043964086.1 50.6 81
40 0 5 85 28 108 1.80E-13 83.6 33528 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Gambusia;Gambusi
a affinis
UdeM00000036434 6596 262.3 UdeM00000036434 XP_045191754.1 38 434
235 8 26 439 1 420 1.10E-66 262.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036435 29159 282 UdeM00000036435 XP_011445184.1 52.3 258
123 0 1 258 1 258 7.90E-73 282 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000036436 1735272 60.1 UdeM00000036436 XP_041350990.1 43.5
62 35 0 53 114 461 522 2.20E-06 60.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000036437 6565 70.9 UdeM00000036437 XP_022305631.1 60.7 56
22 0 18 73 72 127 9.50E-10 70.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000036438 6596 468 UdeM00000036438 XP_045192178.1 54.8 465
193 6 2 465 49 497 1.40E-128 468 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036444 6596 593.2 UdeM00000036444 XP_045207431.1 55.6 518
224 5 20 536 19 531 3.30E-166 593.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036445 6596 589.7 UdeM00000036445 XP_045207431.1 54.5 534
234 6 7 536 3 531 3.70E-165 589.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000036446 6573 640.6 UdeM00000036446 XP_021366200.1 53.4 579
 266 4 53 629 6 582 2.10E-180 640.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036448 29159 187.6 UdeM00000036448 XP_034335896.1 47.3 226
 96 4 20 244 45 248 2.00E-44 187.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036449 29159 184.5 UdeM00000036449 XP_034335896.1 45.3 236
 96 4 20 254 45 248 1.70E-43 184.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036450 6596 79 UdeM00000036450 XP_045190183.1 23.9 289
 198 6 137 419 425 697 1.80E-11 79 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036451 7159 184.5 UdeM00000036451 XP_021695055.1 28.9 408
 271 6 264 658 1357 1758 4.50E-43 184.5 7159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Culicinae;Aedini;Aedes;Stegomyia;Aedes
 aegypti
 UdeM00000036452 6596 7607.3 UdeM00000036452 XP_045191436.1 81.8
 4681 783 9 17 4672 101 4736 0.00E+00 7607.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036453 7604 110.9 UdeM00000036453 XP_033640623.1 50 110
 55 0 1 110 1 110 1.10E-21 110.9 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asterias;Asterias rubens
 UdeM00000036454 7741 270.4 UdeM00000036454 XP_019640655.1 49.3 272
 136 2 5 275 1 271 3.70E-69 270.4 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000036455 6596 798.1 UdeM00000036455 XP_045193293.1 65.4 592
 196 4 1 585 19 608 7.40E-228 798.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036456 29159 577.4 UdeM00000036456 XP_011417584.2 59.9 509
 176 4 139 623 132 636 2.30E-161 577.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM000000036457 6565 136.3 UdeM000000036457 XP_022287303.1 31.7 262
147 7 34 273 443 694 5.80E-29 136.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM000000036458 6565 136.3 UdeM000000036458 XP_022287303.1 31.7 262
147 7 34 273 443 694 5.80E-29 136.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM000000006989 6596 884 UdeM000000006989 XP_045180229.1 79 581
102 8 87 656 122 693 1.20E-253 884 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000006991 1735272 723 UdeM000000006991 XP_041360731.1 74.3
443 114 0 1 443 1 443 2.30E-205 723 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM000000006992 6579 1156.4 UdeM000000006992 XP_033727838.1 81.8
845 137 2 1 840 1 833 0.00E+00 1156.4 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM000000006993 1735272 290 UdeM000000006993 XP_041361172.1 51.9
289 138 1 2 290 1 288 3.30E-75 290 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM000000006994 6596 79.7 UdeM000000006994 XP_045208523.1 36.9 168
90 4 4 167 1 156 3.90E-12 79.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000006995 6596 97.4 UdeM000000006995 XP_045208571.1 41.6 161
86 3 4 162 1 155 1.80E-17 97.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM000000006996 218467 153.3 UdeM000000006996 XP_023216565.1 30.1
329 214 7 47 372 136 451 6.10E-34 153.3 218467
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000006997 218467 154.8 UdeM00000006997 XP_023216565.1 30.1
 329 214 7 31 356 136 451 2.00E-34 154.8 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000006998 6573 469.9 UdeM00000006998 XP_021343391.1 40.4 653
 344 10 2 641 21 641 5.10E-129 469.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006999 400727 263.1 UdeM00000006999 XP_025107741.1 65.3
 199 67 1 2 198 107 305 3.10E-67 263.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000007012 6573 130.2 UdeM00000007012 XP_021355936.1 36.9 206
 123 3 14 212 7 212 3.20E-27 130.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007013 6573 124.8 UdeM00000007013 XP_021355936.1 35.2 216
 126 3 14 225 7 212 1.40E-25 124.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007014 37653 194.5 UdeM00000007014 XP_014781205.1 46.5 213
 104 4 13 222 19 224 1.40E-46 194.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000007015 6596 808.9 UdeM00000007015 XP_045180485.1 75.1 507
 125 1 234 739 1 507 5.30E-231 808.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007016 6596 450.7 UdeM00000007016 XP_045180881.1 50.1 451
 202 4 2 446 11 444 2.20E-123 450.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007017 6565 159.1 UdeM00000007017 XP_022327962.1 35.6 264
 111 4 14 218 455 718 6.50E-36 159.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007018 6596 435.3 UdeM00000007018 XP_045180890.1 59.3 354
 135 3 1 354 1 345 7.70E-119 435.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007019 6596 326.2 UdeM00000007019 XP_045180890.1 58 257
 107 1 12 268 85 340 3.80E-86 326.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007020 6596 284.6 UdeM00000007020 XP_045180890.1 52.5 265
 120 2 38 302 83 341 1.40E-73 284.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007021 6596 121.3 UdeM00000007021 XP_045206982.1 51.9 104
 50 0 4 107 80 183 8.80E-25 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007022 6596 242.3 UdeM00000007022 XP_045185723.1 43.1 304
 155 5 7 308 455 742 1.20E-60 242.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007025 6596 369.4 UdeM00000007025 XP_045180890.1 49.2 386
 143 5 9 394 11 343 5.70E-99 369.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007026 6596 567 UdeM00000007026 XP_045180483.1 62.5 451
 163 4 2 449 5 452 2.20E-158 567 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007027 6596 120.6 UdeM00000007027 XP_045170381.1 40.3 201
 107 5 4 199 3 195 3.90E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007028 6596 62 UdeM00000007028 XP_045206778.1 55.6 54
 24 0 4 57 3 56 9.50E-07 62 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007030 6596 127.1 UdeM00000007030 XP_045170381.1 52.1 121
 53 2 6 126 3 118 1.70E-26 127.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007031 6596 132.1 UdeM00000007031 XP_045203565.1 52.1 119
 54 2 6 124 3 118 5.00E-28 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007032 400727 642.1 UdeM00000007032 XP_025091095.1 71.6
 419 119 0 1 419 49 467 4.90E-181 642.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000007033 1735272 164.5 UdeM00000007033 XP_041368077.1 41.3
 225 92 4 1 188 45 266 3.90E-37 164.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007034 6596 961.8 UdeM00000007034 XP_045181172.1 69 639
 198 0 10 648 5 643 4.30E-277 961.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007035 1735272 761.5 UdeM00000007035 XP_041360515.1 53.7
 812 332 10 12 811 15 794 1.50E-216 761.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007036 6573 250 UdeM00000007036 XP_021377560.1 54.5 202
 91 1 9 209 8 209 2.80E-63 250 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007037 6596 198.4 UdeM00000007037 XP_045181118.1 55.9 177
 76 2 2 176 629 805 7.80E-48 198.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007038 6579 69.3 UdeM00000007038 XP_033727405.1 27.7 278
 152 8 15 271 306 555 8.60E-09 69.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007039 6579 92.4 UdeM00000007039 XP_033727405.1 29.4 197
 123 2 4 188 3 195 9.50E-16 92.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007041 6579 500 UdeM00000007041 XP_033727079.1 70.5 346
 95 2 8 353 6 344 2.50E-138 500 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007040 6596 496.1 UdeM00000007040 XP_045180258.1 68.7 355
 97 2 11 355 8 358 3.70E-137 496.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007042 6596 197.6 UdeM00000007042 XP_045182246.1 68.7 134
 42 0 77 210 21 154 1.70E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007043 6579 630.6 UdeM00000007043 XP_033739131.1 60.8 475
 186 0 11 485 896 1370 1.70E-177 630.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007045 6565 788.1 UdeM00000007045 XP_022295152.1 48.9 947
 409 22 27 940 67 971 1.20E-224 788.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007046 6596 246.5 UdeM00000007046 XP_045187622.1 31.8 559
 208 6 28 572 4 403 8.10E-62 246.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007047 6573 270.8 UdeM00000007047 XP_021364277.1 56.5 223
 96 1 9 231 6 227 1.70E-69 270.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007048 6565 270 UdeM00000007048 XP_022325667.1 55.4 224
 97 2 10 233 9 229 2.80E-69 270 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007049 6565 270.8 UdeM00000007049 XP_022325667.1 55.3 228
 99 2 8 235 5 229 1.70E-69 270.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007050 6596 199.9 UdeM00000007050 XP_045180961.1 27.4 584
 327 13 452 969 67 619 1.50E-47 199.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007051 6596 212.6 UdeM00000007051 XP_045180961.1 28.6 570
 338 13 1 518 67 619 1.20E-51 212.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007052 6596 141.7 UdeM00000007052 XP_045180961.1 27.1 443
 257 10 3 394 192 619 1.90E-30 141.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007053 6596 212.6 UdeM00000007053 XP_045180961.1 28.6 570
 338 13 1 518 67 619 1.20E-51 212.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007054 6596 124.8 UdeM00000007054 XP_045180962.1 32.4 210
 137 2 2 208 72 279 3.10E-25 124.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007055 29159 73.2 UdeM00000007055 XP_011428043.2 55.1 69
 30 1 438 506 359 426 1.10E-09 73.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007057 225164 176.8 UdeM00000007057 XP_009063338.1 51.2
 170 82 1 19 187 55 224 2.60E-41 176.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000007058 6596 73.6 UdeM00000007058 XP_045172246.1 32.2 121
 78 2 325 441 59 179 9.00E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007059 6596 73.6 UdeM00000007059 XP_045172246.1 32.2 121
 78 2 320 436 59 179 8.90E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007061 29159 480.7 UdeM00000007061 XP_034312388.1 70.3 316
 89 3 1 314 64 376 1.40E-13 480.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007062 29159 203 UdeM00000007062 XP_034312388.1 69.4 134
 40 1 14 147 149 281 3.20E-49 203 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000007063 6596 271.2 UdeM00000007063 XP_045181882.1 65.2 187
64 1 111 297 612 797 1.60E-69 271.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007064 6579 223.8 UdeM00000007064 XP_033727062.1 45.7 269
126 4 367 621 580 842 6.40E-55 223.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007065 6596 63.9 UdeM00000007065 XP_045179872.1 27.8 126
70 2 6 126 39 148 1.80E-07 63.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007066 6596 182.2 UdeM00000007066 XP_045180962.1 27 534
333 13 1 526 72 556 1.70E-42 182.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007067 6596 185.7 UdeM00000007067 XP_045180962.1 28.7 501
291 10 1 451 72 556 1.30E-43 185.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007068 29159 593.6 UdeM00000007068 XP_011429048.1 94.9 311
16 0 1 311 1 311 1.50E-166 593.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000007069 6596 189.9 UdeM00000007069 XP_045180961.1 28.9 598
373 19 1 591 67 619 9.30E-45 189.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007070 29159 176 UdeM00000007070 XP_011434520.1 52.5 162
67 6 8 164 11 167 3.90E-41 176 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000007071 6573 113.2 UdeM00000007071 XP_021378198.1 55.8 104
40 4 19 121 26 124 2.30E-22 113.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007072 6596 153.3 UdeM00000007072 XP_045181726.1 32.9 767
 398 23 107 793 10 739 1.70E-33 153.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007074 6596 412.1 UdeM00000007074 XP_045183062.1 50.4 399
 194 4 8 406 844 1238 7.90E-112 412.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007075 6579 643.3 UdeM00000007075 XP_033726966.1 48.2 765
 302 10 1 749 1 687 3.90E-181 643.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007076 6596 218.8 UdeM00000007076 XP_045165713.1 53.5 187
 87 0 12 198 6 192 2.00E-53 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007076 6596 82.8 UdeM00000007076 XP_045165713.1 47.4 76
 40 0 542 617 314 389 1.70E-12 82.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007077 6596 260.4 UdeM00000007077 XP_045182210.1 37.8 426
 246 7 24 442 2 415 4.30E-66 260.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007078 6596 310.8 UdeM00000007078 XP_045187622.1 45.6 410
 199 6 32 435 4 395 2.70E-81 310.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007080 6579 320.9 UdeM00000007080 XP_033743128.1 46.1 410
 206 2 27 436 25 419 2.60E-84 320.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007081 6573 411 UdeM00000007081 XP_021364254.1 62.6 340
 123 3 83 420 2 339 1.90E-111 411 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007083 6565 59.3 UdeM00000007083 XP_022287821.1 35.7 84
 46 2 7 88 9 86 3.00E-06 59.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000007085 7918 115.2 UdeM00000007085 XP_015205498.1 32.4 250
 138 6 1 233 1 236 2.50E-22 115.2 7918 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
 nopterygii; Actinopteri; Neopterygii; Holostei; Semionotiformes; Lepisosteidae
 ; Lepisosteus; Lepisosteus oculatus
 UdeM00000007086 29159 186.4 UdeM00000007086 XP_019926412.2 42.7 239
 127 6 15 253 257 485 4.50E-44 186.4 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000007087 29159 183.3 UdeM00000007087 XP_019926412.2 43.1 239
 123 7 15 250 257 485 3.80E-43 183.3 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000007088 6596 189.5 UdeM00000007088 XP_045180946.1 51.7 201
 96 1 46 245 1 201 6.10E-45 189.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000007089 6573 303.5 UdeM00000007089 XP_021343514.1 91.9 161
 13 0 1 161 1 161 1.90E-79 303.5 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000007090 6573 79 UdeM00000007090 XP_021376553.1 40.2 107
 63 1 158 263 263 369 1.00E-11 79 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000007092 1735272 325.1 UdeM00000007092 XP_041360630.1 47.4
 580 262 14 117 667 317 882 2.10E-85 325.1 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000007093 6596 1550.4 UdeM00000007093 XP_045181330.1 59.2
 1325 494 10 26 1323 216 1520 0.00E+00 1550.4 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000007094 6565 325.9 UdeM00000007094 XP_022312581.1 34.8 581
 206 10 60 469 75 653 1.10E-85 325.9 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000007095 6596 1453.3 UdeM00000007095 XP_045181330.1 56.6
 1341 525 15 5 1328 206 1506 0.00E+00 1453.3 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007096 6596 257.7 UdeM00000007096 XP_045180460.1 72.2 169
47 0 95 263 73 241 1.60E-65 257.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007097 6596 303.1 UdeM00000007097 XP_045181126.1 67.2 262
67 8 1 249 3 258 3.20E-79 303.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007098 6596 207.2 UdeM00000007098 XP_045181126.1 68.4 171
44 3 5 168 257 424 1.60E-50 207.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007102 6579 199.9 UdeM00000007102 XP_033726919.1 56.3 174
72 1 11 184 28 197 2.90E-48 199.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007103 6596 96.7 UdeM00000007103 XP_045188028.1 34 144
93 2 2 144 3 145 2.70E-17 96.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007104 8090 66.6 UdeM00000007104 XP_023807339.1 32.5 117
75 4 6 119 8 123 2.80E-08 66.6 8090 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
latipes
UdeM00000007105 7574 66.6 UdeM00000007105 XP_013414043.1 27.3 172
102 4 58 212 59 224 4.90E-08 66.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000007106 7574 73.9 UdeM00000007106 XP_013389723.1 29.4 177
102 5 58 217 59 229 2.90E-10 73.9 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000007108 7574 73.9 UdeM00000007108 XP_013414043.1 31.2 176
 98 5 55 213 59 228 3.00E-10 73.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000007109 27706 68.9 UdeM00000007109 XP_038585162.1 32 125
 78 4 22 140 24 147 5.90E-09 68.9 27706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Centrarchiformes;Cen
 trarchoidei;Centrarchidae;Micropterus;Micropterus salmoides
 UdeM00000007110 7574 66.2 UdeM00000007110 XP_013414043.1 28 157
 97 3 58 204 59 209 6.30E-08 66.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000007111 7574 72.4 UdeM00000007111 XP_013414043.1 30.3 178
 100 6 58 218 59 229 8.80E-10 72.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000007113 1735272 98.2 UdeM00000007113 XP_041379412.1 44.2
 120 62 3 28 146 11 126 1.10E-17 98.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007114 6596 74.7 UdeM00000007114 XP_045215263.1 39.5 114
 67 2 107 219 730 842 1.60E-10 74.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007120 6579 293.5 UdeM00000007120 XP_033743128.1 40.7 405
 225 3 31 430 25 419 4.40E-76 293.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007121 1735272 103.2 UdeM00000007121 XP_041364761.1 43.3
 97 55 0 20 116 44 140 2.30E-19 103.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007122 6596 70.5 UdeM00000007122 XP_045182382.1 48.4 62
 32 0 57 118 328 389 1.80E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007123 6596 80.5 UdeM00000007123 XP_045208523.1 36.9 149
 88 1 10 158 11 153 2.30E-12 80.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007124 6596 63.5 UdeM00000007124 XP_045208523.1 33.6 143
83 1 10 140 11 153 2.60E-07 63.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007125 6596 72.4 UdeM00000007125 XP_045208523.1 38.4 125
71 1 11 135 35 153 5.50E-10 72.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007126 6596 84.7 UdeM00000007126 XP_045177053.1 32.6 135
87 2 7 138 243 376 1.20E-13 84.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007127 6105 260 UdeM00000007127 XP_031549116.1 58.3 228
89 3 1 223 8 234 3.30E-66 260 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000007128 747089 348.2 UdeM00000007128 XP_025164949.1 31.3
758 336 21 16 692 349 1002 2.40E-92 348.2 747089

cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM 181602=DAOM 197198

UdeM00000007129 6105 95.5 UdeM00000007129 XP_031566938.1 41.4 128
70 3 40 165 58 182 6.80E-17 95.5 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000007130 6596 74.7 UdeM00000007130 XP_045177053.1 28.3 166
99 5 1 152 71 230 1.30E-10 74.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007131 6596 136.3 UdeM00000007131 XP_045176664.1 38.9 190
109 4 22 207 381 567 4.40E-29 136.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007132 6596 74.3 UdeM00000007132 XP_045207417.1 31.1 167
108 4 1 165 2 163 1.70E-10 74.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007135 6579 243.4 UdeM00000007135 XP_033743128.1 37.4 423
 243 3 25 447 16 416 5.40E-61 243.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007136 6596 374.4 UdeM00000007136 XP_045214844.1 36 645
 394 14 48 679 61 699 3.10E-100 374.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007137 6596 377.9 UdeM00000007137 XP_045214844.1 35.5 668
 414 14 25 679 36 699 2.80E-101 377.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007138 6596 275.8 UdeM00000007138 XP_045204134.1 48.6 319
 150 4 27 345 36 340 7.90E-71 275.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007139 6596 275.4 UdeM00000007139 XP_045204134.1 48.6 319
 150 4 27 345 36 340 1.10E-70 275.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007140 516756 109 UdeM00000007140 XP_017761321.1 89.7
 58 6 0 32 89 1766 1823 3.20E-21 109 516756
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Apoidea;Apidae;Apinae;Euglossini;Eufriesea;Eufriesea mexicana
 UdeM00000007141 6596 177.6 UdeM00000007141 XP_045183440.1 55.4 168
 71 2 3 170 217 380 2.20E-41 177.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007142 6596 86.3 UdeM00000007142 XP_045202346.1 39.3 117
 67 2 6 121 16 129 3.20E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007143 6573 139.4 UdeM00000007143 XP_021352386.1 49 145
 70 2 28 172 258 398 5.30E-30 139.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007145	6596	1664.4		UdeM00000007145	XP_045163829.1	51.9
1646	722	18	5	1627	7	1606 0.00E+00 1664.4 6596
cellular						
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria						
UdeM00000007146	6573	124.8		UdeM00000007146	XP_021347516.1	22.2 526
370	12	7	514	149	653	3.30E-25 124.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis						
UdeM00000007147	6500	219.5		UdeM00000007147	XP_005096520.1	70.6 136
40	0	6	141	8	143	2.70E-54 219.5 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica						
UdeM00000007148	29159	312.4		UdeM00000007148	XP_011420249.2	58.6 268
97	5	87	344	51	314	7.40E-82 312.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas						
UdeM00000007149	7719	222.2		UdeM00000007149	XP_004227216.1	72.1 136
38	0	6	141	8	143	4.10E-55 222.2 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis						
UdeM00000007150	6573	413.3		UdeM00000007150	XP_021378217.1	72.4 286
78	1	3	287	1	286	2.50E-112 413.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis						
UdeM00000007151	6579	356.3		UdeM00000007151	XP_033727675.1	38.9 656
327	13	32	621	572	1219	9.00E-95 356.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus						
UdeM00000007152	6579	102.8		UdeM00000007152	XP_033727478.1	37.1 140
86	1	9	146	11	150	3.70E-19 102.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus						
UdeM00000007154	6579	303.1		UdeM00000007154	XP_033727478.1	47.3 370
185	5	9	374	175	538	6.50E-79 303.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus						
UdeM00000007153	6579	303.1		UdeM00000007153	XP_033727478.1	47.3 370
185	5	9	374	175	538	7.00E-79 303.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus						
UdeM00000007155	6573	386.3		UdeM00000007155	XP_021378217.1	66.8 286
95	0	3	288	1	286	3.30E-104 386.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000007156 6565 60.5 UdeM00000007156 XP_022288893.1 34.9 109
68 1 32 140 323 428 2.00E-06 60.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007157 6573 320.1 UdeM00000007157 XP_021378219.1 39 593
326 15 5 579 700 1274 5.90E-84 320.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000007158 6579 279.6 UdeM00000007158 XP_033727675.1 36.3 512
308 10 32 530 572 1078 8.00E-72 279.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007159 7998 165.6 UdeM00000007159 XP_017312698.1 52.7 165
68 1 34 188 44 208 6.00E-38 165.6 7998 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroidae;Ictaluridae;Ictalurus;Ictalurus punctatus
UdeM00000007160 6573 106.7 UdeM00000007160 XP_021378219.1 50.4 115
55 2 42 156 1049 1161 4.80E-20 106.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000007161 6573 375.2 UdeM00000007161 XP_021378204.1 43.9 510
272 7 13 516 10 511 1.80E-100 375.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000007162 6596 122.5 UdeM00000007162 XP_045181138.1 39.2 158
94 1 2 157 33 190 5.10E-25 122.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000007163 400727 631.7 UdeM00000007163 XP_025089652.1 44.2
855 379 18 1202 2026 1005 1791 4.80E-177 631.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000007164 400727 631.7 UdeM00000007164 XP_025089652.1 44.2
855 379 18 1176 2000 1005 1791 4.80E-177 631.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000007165 6596 114.8 UdeM00000007165 XP_045181870.1 29.2 322
 186 10 5 320 7 292 2.40E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007166 6596 153.7 UdeM00000007166 XP_045182135.1 43 223
 118 4 2669 2883 417 638 3.60E-33 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007167 6596 153.7 UdeM00000007167 XP_045182135.1 43 223
 118 4 2617 2831 417 638 3.60E-33 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007168 6596 300.8 UdeM00000007168 XP_045180379.1 81.8 170
 31 0 1 170 6 175 1.10E-78 300.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007170 6596 426.4 UdeM00000007170 XP_045181098.1 58.8 337
 121 4 29 364 39 358 3.70E-116 426.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007171 6596 180.3 UdeM00000007171 XP_045159631.1 69.1 123
 37 1 1 122 1 123 2.20E-42 180.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007172 6596 305.4 UdeM00000007172 XP_045159631.1 65.2 256
 88 1 1 255 1 256 6.80E-80 305.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007173 80765 216.5 UdeM00000007173 XP_027852883.1 54.7 172
 78 0 9 180 154 325 6.40E-53 216.5 80765 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Aphidini;Aphis;Aphis;Aphis
 gossypii
 UdeM00000007174 114398 60.1 UdeM00000007174 XP_042907613.1 31.6
 98 66 1 56 152 87 184 3.20E-06 60.1 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo

rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM00000007175 6579 248.8 UdeM00000007175 XP_033743128.1 43.8 404
220 3 35 438 26 422 1.30E-62 248.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007176 6596 270 UdeM00000007176 XP_045182382.1 38.1 438
215 4 73 510 8 389 6.30E-69 270 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007177 6596 104.8 UdeM00000007177 XP_045208523.1 40.9 164
85 2 4 163 1 156 1.10E-19 104.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007178 6596 102.4 UdeM00000007178 XP_045208523.1 38.6 158
85 2 22 175 7 156 5.90E-19 102.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007179 6596 93.2 UdeM00000007179 XP_045208523.1 37.8 164
90 2 4 163 1 156 3.30E-16 93.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007180 6579 183.3 UdeM00000007180 XP_033730552.1 67.2 119
39 0 1 119 80 198 1.90E-43 183.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007181 6596 110.2 UdeM00000007181 XP_045189683.1 37.4 179
105 4 16 188 8 185 4.00E-21 110.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007183 6565 251.1 UdeM00000007183 XP_022334993.1 39.7 390
93 6 1 249 481 869 1.40E-63 251.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007184 1735272 110.5 UdeM00000007184 XP_041368607.1 37.2
148 90 1 6 150 10 157 2.20E-21 110.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000007185 6573 482.6 UdeM00000007185 XP_021378217.1 71.5 354
 91 3 3 346 1 354 4.10E-133 482.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007186 6573 461.1 UdeM00000007186 XP_021378217.1 75.2 307
 76 0 3 309 1 307 1.30E-126 461.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007187 6596 418.7 UdeM00000007187 XP_045182550.1 65.4 309
 106 1 1 308 15 323 6.60E-114 418.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007188 225164 136.3 UdeM00000007188 XP_009045940.1 46.9
 145 67 3 8 149 4 141 3.20E-29 136.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000007189 6596 540.4 UdeM00000007189 XP_045181752.1 73.9 345
 60 1 3 317 1 345 1.50E-150 540.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007191 6596 79.3 UdeM00000007191 XP_045182373.1 33 109
 64 2 13 112 11 119 3.40E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007192 6596 203.8 UdeM00000007192 XP_045182371.1 66.9 139
 46 0 1 139 96 234 1.50E-49 203.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007193 6596 340.9 UdeM00000007193 XP_045182371.1 61.6 276
 101 1 2 277 16 286 1.50E-90 340.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007194 326968 315.8 UdeM00000007194 XP_015896626.1 39.1
 517 257 15 27 500 15 516 1.00E-82 315.8 326968
 cellular
 organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
 ;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
 udicotyledons;Gunneridae;Pentapetalae;rosids;fabids;Rosales;Rhamnaceae;Pa
 liureae;Ziziphus;Ziziphus jujuba

UdeM00000007195 326968 315.1 UdeM00000007195 XP_015896626.1 38.7
 517 249 14 27 490 15 516 1.70E-82 315.1 326968
 cellular
 organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
 ;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
 udicotyledons;Gunneridae;Pentapetalae;rosids;fabids;Rosales;Rhamnaceae;Pa
 liureae;Ziziphus;Ziziphus jujuba
 UdeM00000007196 6573 274.6 UdeM00000007196 XP_021356482.1 55.2 250
 81 1 26 244 69 318 1.20E-70 274.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007197 6565 171 UdeM00000007197 XP_022322717.1 64 125
 45 0 1 125 191 315 9.60E-40 171 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007198 6596 199.9 UdeM00000007198 XP_045182371.1 62.6 147
 55 0 22 168 138 284 2.60E-48 199.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007199 6579 198 UdeM00000007199 XP_033724744.1 51.5 202
 71 3 16 192 118 317 2.10E-47 198 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007200 6573 324.3 UdeM00000007200 XP_021356482.1 62.4 250
 94 0 26 275 69 318 1.50E-85 324.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007201 326968 320.9 UdeM00000007201 XP_015896626.1 39.1
 517 261 14 27 504 15 516 4.00E-84 320.9 326968
 cellular
 organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
 ;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
 udicotyledons;Gunneridae;Pentapetalae;rosids;fabids;Rosales;Rhamnaceae;Pa
 liureae;Ziziphus;Ziziphus jujuba
 UdeM00000007202 6596 325.9 UdeM00000007202 XP_045182371.1 61.2 268
 99 1 2 269 16 278 5.10E-86 325.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007203 6573 329.7 UdeM00000007203 XP_021356482.1 62.4 250
 94 0 26 275 69 318 3.50E-87 329.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007204 29159 347.8 UdeM00000007204 XP_011420249.2 61.7 264
 95 1 13 270 51 314 1.20E-92 347.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000007205 6565 308.9 UdeM00000007205 XP_022321077.1 79.4 175
36 0 1 175 1 175 4.10E-81 308.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007206 29159 248.4 UdeM00000007206 XP_034303626.1 64.6 175
60 2 2 175 219 392 6.70E-63 248.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000007207 29159 329.7 UdeM00000007207 XP_011420248.2 63.6 242
88 0 39 280 73 314 3.60E-87 329.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000007208 6596 337.8 UdeM00000007208 XP_045182371.1 65.2 244
84 1 31 274 43 285 1.30E-89 337.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007209 6596 332.4 UdeM00000007209 XP_045181020.1 63.2 250
91 1 25 274 7 255 5.40E-88 332.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007210 6596 204.9 UdeM00000007210 XP_045181020.1 69.4 147
44 1 2 148 111 256 7.10E-50 204.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007211 6565 345.1 UdeM00000007211 XP_022322717.1 66.9 242
80 0 31 272 74 315 8.00E-92 345.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007212 6565 226.1 UdeM00000007212 XP_022300548.1 54.9 182
82 0 1 182 225 406 3.60E-56 226.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007213 6596 258.8 UdeM00000007213 XP_045211611.1 54.2 253
90 4 28 262 32 276 7.40E-66 258.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007214 6596 345.5 UdeM00000007214 XP_045181020.1 64.1 256
91 1 1 256 1 255 5.80E-92 345.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007215 6596 345.9 UdeM00000007215 XP_045181020.1 64.1 256
91 1 19 274 1 255 4.80E-92 345.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007216 6596 265.4 UdeM00000007216 XP_045181020.1 54.2 251
89 2 25 250 7 256 7.50E-68 265.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007217 45264 433 UdeM00000007217 XP_044179186.1 53.7 397
181 2 28 424 87 480 4.60E-118 433 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000007218 481459 125.2 UdeM00000007218 XP_040031014.1 32
200 99 3 2 166 198 395 8.30E-26 125.2 481459
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioidei;Gasterosteales;Gasterosteidae;Gasterosteus;Gasterosteus aculeatus;Gasterosteus aculeatus aculeatus

UdeM00000007219 6596 335.1 UdeM00000007219 XP_045181020.1 62.7 252
91 3 25 275 7 256 8.40E-89 335.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007220 6596 278.5 UdeM00000007220 XP_045181020.1 56 252
76 3 25 242 7 257 8.20E-72 278.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007221 29159 342.8 UdeM00000007221 XP_011420248.2 64 242
87 0 53 294 73 314 4.30E-91 342.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007222 29159 490.3 UdeM00000007222 XP_034303626.1 68.8 321
98 2 27 346 73 392 2.00E-135 490.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007223 6565 134 UdeM00000007223 XP_022322717.1 66.7 90
30 0 39 128 74 163 1.40E-28 134 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007224 6596 195.7 UdeM00000007224 XP_045211611.1 63.4 142
52 0 2 143 135 276 4.20E-47 195.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007225 6596 337.8 UdeM00000007225 XP_045182371.1 65.2 244
84 1 31 274 43 285 1.30E-89 337.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007226 6596 332.4 UdeM00000007226 XP_045181020.1 63.2 250
91 1 25 274 7 255 5.40E-88 332.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007227 6596 204.9 UdeM00000007227 XP_045181020.1 69.4 147
44 1 2 148 111 256 7.10E-50 204.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007228 6565 346.7 UdeM00000007228 XP_022322717.1 67.4 242
79 0 31 272 74 315 2.80E-92 346.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007229 6579 222.2 UdeM00000007229 XP_033754677.1 57.7 182
77 0 1 182 223 404 5.20E-55 222.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007230 6579 251.5 UdeM00000007230 XP_033724742.1 66.5 185
61 1 2 186 135 318 8.40E-64 251.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007231 6596 67 UdeM00000007231 XP_045182371.1 60.8 51
18 1 31 81 43 91 1.60E-08 67 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007233 6596 238.8 UdeM00000007233 XP_045181020.1 68.6 169
52 1 1 169 88 255 5.10E-60 238.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000007232 6596 293.1 UdeM00000007232 XP_045211611.1 67.3 208
 67 1 2 209 70 276 2.80E-76 293.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007234 6596 211.1 UdeM00000007234 XP_045181020.1 55.8 172
 75 1 25 195 7 178 1.40E-51 211.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007235 6596 85.9 UdeM00000007235 XP_045181020.1 54.5 66
 29 1 25 89 7 72 3.60E-14 85.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007236 6596 335.5 UdeM00000007236 XP_045182371.1 65.8 243
 82 1 31 273 43 284 6.40E-89 335.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007237 45264 432.6 UdeM00000007237 XP_044179186.1 53.7 397
 181 2 28 424 87 480 6.00E-118 432.6 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000007238 134920 105.1 UdeM00000007238 XP_037326711.1 43.3
 120 59 2 1 120 25 135 6.30E-20 105.1 134920
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioid
 ei;Gasterosteales;Gasterosteidae;Pungitius;Pungitius pungitius
 UdeM00000007239 10117 67.8 UdeM00000007239 XP_032763600.1 34 94
 50 1 67 160 438 519 1.50E-08 67.8 10117 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Murida
 e;Murinae;Rattus;Rattus rattus
 UdeM00000007240 6596 336.7 UdeM00000007240 XP_045181020.1 63.1 252
 90 3 25 275 7 256 2.90E-89 336.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007241 6596 332.4 UdeM00000007241 XP_045181020.1 63.3 251
 90 2 25 274 7 256 5.40E-88 332.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007242 45264 376.7 UdeM00000007242 XP_044179186.1 59 312
127 1 28 339 87 397 3.10E-101 376.7 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000007243 50429 66.6 UdeM00000007243 XP_022807755.1 49.2 63
32 0 1 63 113 175 1.40E-08 66.6 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000007244 481459 135.2 UdeM00000007244 XP_040031014.1 40.5
153 82 2 71 223 296 439 1.00E-28 135.2 481459

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioidei;Gasterosteales;Gasterosteidae;Gasterosteus;Gasterosteus aculeatus;Gasterosteus aculeatus aculeatus

UdeM00000007245 6565 329.7 UdeM00000007245 XP_022322717.1 62.7 249
86 2 31 279 74 315 3.60E-87 329.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007246 6596 341.3 UdeM00000007246 XP_045181020.1 65.7 245
83 1 28 272 13 256 1.20E-90 341.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007247 29159 808.9 UdeM00000007247 XP_034323362.1 51.3 829
340 13 22 832 58 840 6.10E-231 808.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007248 6596 481.1 UdeM00000007248 XP_045180392.1 55.8 434
186 3 91 520 88 519 1.80E-132 481.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007252 6579 605.5 UdeM00000007252 XP_033726686.1 27 3031
1253 77 85 2898 120 2406 3.50E-169 605.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007253 260995 73.6 UdeM00000007253 XP_033803390.1 49.4
77 38 1 1 77 301 376 1.40E-10 73.6 260995

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini

UdeM00000007254 6596 301.2 UdeM00000007254 XP_045181478.1 56.7 231
82 5 14 230 5 231 1.10E-78 301.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007255 6579 212.2 UdeM00000007255 XP_033727452.1 45.9 307
149 4 724 1014 439 744 3.10E-51 212.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007256 6579 248.8 UdeM00000007256 XP_033739209.1 49.8 259
114 2 9 262 2 249 7.70E-63 248.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007258 6596 882.9 UdeM00000007258 XP_045180255.1 41 1937
917 36 45 1832 2 1862 7.50E-253 882.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007259 6596 748.4 UdeM00000007259 XP_045180419.1 58.4 634
214 4 153 743 68 694 9.00E-213 748.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007260 6596 498.8 UdeM00000007260 XP_045180416.1 62.2 442
150 7 24 450 861 1300 7.30E-138 498.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007261 6579 109.4 UdeM00000007261 XP_033745797.1 30.2 275
165 11 43 302 39 301 8.40E-21 109.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007262 6596 338.6 UdeM00000007262 XP_045180416.1 65.8 284
81 6 1 270 1015 1296 7.80E-90 338.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007263 6596 562.8 UdeM00000007263 XP_045180422.1 60.8 520
142 8 1 461 674 1190 4.20E-157 562.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007264 6596 345.1 UdeM00000007264 XP_045180422.1 56.9 339
 98 4 1 293 674 1010 9.30E-92 345.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007265 6596 814.3 UdeM00000007265 XP_045180419.1 68.1 577
 164 2 59 616 75 650 1.10E-232 814.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007266 6596 808.1 UdeM00000007266 XP_045180419.1 67.4 583
 164 3 59 622 75 650 7.80E-231 808.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007267 6565 288.5 UdeM00000007267 XP_022327962.1 56.6 256
 110 1 44 298 159 414 9.80E-75 288.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007270 6596 190.7 UdeM00000007270 XP_045156361.1 25.1 802
 497 27 10 767 7 748 1.70E-44 190.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007271 6596 63.9 UdeM00000007271 XP_045182368.1 38 71
 43 1 77 146 83 153 1.90E-07 63.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007272 6596 87.8 UdeM00000007272 XP_045180537.1 28.3 244
 164 6 4 242 66 303 2.20E-14 87.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007273 10224 104 UdeM00000007273 XP_002740205.2 37.7 159
 84 3 4 162 48 191 2.00E-19 104 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000007274 6596 124.4 UdeM00000007274 XP_045188603.1 22.8 1037
 625 37 186 1116 383 1349 1.10E-24 124.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007275 6596 62 UdeM00000007275 XP_045182368.1 36.6 71
 44 1 114 183 83 153 9.20E-07 62 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007276 6596 349.7 UdeM00000007276 XP_045182087.1 31.8 877
503 17 324 1138 1 844 1.40E-92 349.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007277 29159 163.3 UdeM00000007277 XP_011421663.2 44.2 197
108 2 1 196 21 216 3.50E-37 163.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007280 31138 90.5 UdeM00000007280 XP_034636193.1 31.6 133
70 1 17 128 96 228 2.30E-15 90.5 31138 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Emydidae;Trachemys;Trachemys scripta;Trachemys scripta elegans

UdeM00000007282 6565 211.8 UdeM00000007282 XP_022327987.1 44.5 218
119 1 2 217 34 251 9.80E-52 211.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007283 6565 214.5 UdeM00000007283 XP_022327987.1 44.5 218
119 1 2 217 34 251 1.50E-52 214.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007284 6596 334.3 UdeM00000007284 XP_045183440.1 50.4 337
162 3 45 380 32 364 2.40E-88 334.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007285 6565 82.8 UdeM00000007285 XP_022330482.1 26.7 225
142 7 7 227 433 638 6.30E-13 82.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007286 72036 112.1 UdeM00000007286 XP_040576246.1 41.3 179
80 5 1 158 1 175 6.60E-22 112.1 72036 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;Caligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000007287 6706 154.8 UdeM00000007287 XP_042235765.1 44.8 154
85 0 4 157 4 157 9.00E-35 154.8 6706 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul

ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000007288 29159 206.8 UdeM00000007288 XP_011417567.2 47 200
 104 1 95 292 37 236 4.00E-50 206.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM000000035492 29159 73.2 UdeM000000035492 XP_034307860.1 53.6 69
 32 0 1 69 1 69 3.20E-10 73.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM000000035494 1735272 466.5 UdeM000000035494 XP_041370876.1 42.3
 603 303 9 68 660 140 707 5.90E-128 466.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM000000035495 6596 458 UdeM000000035495 XP_045187947.1 70.8 322
 94 0 2 323 4 325 1.00E-125 458 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000035497 7574 304.7 UdeM000000035497 XP_023933278.1 55.4 260
 111 3 39 293 142 401 1.30E-79 304.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM000000035496 7574 471.9 UdeM000000035496 XP_023933510.1 51.5 429
 198 7 37 456 246 673 9.50E-130 471.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM000000035500 6596 146 UdeM000000035500 XP_045176264.1 26.6 493
 309 12 1 447 15 500 1.20E-31 146 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000035499 6596 149.4 UdeM000000035499 XP_045176264.1 26.7 499
 313 12 4 456 9 500 1.10E-32 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM000000035501 6579 345.5 UdeM000000035501 XP_033728519.1 48.6 358
 176 7 11 364 3 356 8.20E-92 345.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM000000035502 6596 410.2 UdeM000000035502 XP_045193548.1 72.1 283
 70 2 2 284 5 278 2.10E-111 410.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035503 6596 296.2 UdeM00000035503 XP_045193548.1 72 200
55 1 2 201 5 203 3.40E-77 296.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035504 2607531 621.7 UdeM00000035504 XP_036358231.1 54.5
527 232 6 21 541 20 544 9.30E-175 621.7 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000035505 2607531 237.3 UdeM00000035505 XP_036358231.1 46.4
263 124 5 21 278 20 270 2.40E-59 237.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000035506 6596 528.1 UdeM00000035506 XP_045162619.1 66.7 424
121 4 18 434 145 555 1.10E-146 528.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035507 29159 313.9 UdeM00000035507 XP_011440171.2 89.8 167
17 0 1 167 10 176 1.20E-82 313.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035508 6596 1459.5 UdeM00000035508 XP_045203954.1 83.4
851 135 5 1 849 13 859 0.00E+00 1459.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035509 6579 258.8 UdeM00000035509 XP_033732611.1 69.6 181
52 2 15 195 12 189 5.50E-66 258.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035510 6596 1968.7 UdeM00000035510 XP_045201002.1 53.3
1940 800 27 99 1973 2 1900 0.00E+00 1968.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035511 6565 384.4 UdeM00000035511 XP_022322171.1 66.5 239
78 2 11 247 246 484 1.20E-103 384.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035512 6565 196.1 UdeM00000035512 XP_022322171.1 50.3 161
77 2 7 165 46 205 3.60E-47 196.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000035513 7574 323.6 UdeM00000035513 XP_013400175.1 86.3 182
25 0 1 182 1 182 1.70E-85 323.6 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
guloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000035517 6500 275 UdeM00000035517 XP_005093825.1 57.6 243
100 2 1 243 1 240 9.20E-71 275 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tec
tipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica
UdeM00000035518 7741 266.9 UdeM00000035518 XP_019642604.1 58.1 248
100 3 1 248 1 244 2.50E-68 266.9 7741 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
anchiostoma; Branchiostoma belcheri
UdeM00000035519 7739 264.2 UdeM00000035519 XP_035695458.1 58.9 246
96 4 1 246 1 241 1.60E-67 264.2 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
anchiostoma; Branchiostoma floridae
UdeM00000035520 6596 113.6 UdeM00000035520 XP_045212011.1 60 100
35 1 1 95 1 100 1.40E-22 113.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000035521 400727 248.8 UdeM00000035521 XP_025098528.1 53.1
245 99 2 1 230 1 244 6.60E-63 248.8 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000035525 6596 154.5 UdeM00000035525 XP_045185048.1 35 260
129 5 7 250 8 243 2.10E-34 154.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000035526 1735272 425.6 UdeM00000035526 XP_041356266.1 51.4
407 188 4 51 454 209 608 7.80E-116 425.6 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000035527 6579 153.7 UdeM00000035527 XP_033760891.1 66.1 112
37 1 1 112 1 111 1.40E-34 153.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035528 1735272 343.2 UdeM00000035528 XP_041368747.1 72.9
207 56 0 12 218 155 361 2.40E-91 343.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035529 6596 641.7 UdeM00000035529 XP_045202046.1 56.3 575
227 3 20 573 52 623 8.70E-181 641.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035530 6596 1226.5 UdeM00000035530 XP_045202046.1 58.6
1115 429 12 54 1145 624 1728 0.00E+00 1226.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035531 29159 709.1 UdeM00000035531 XP_011429872.1 78.1 547
120 0 1 547 1 547 4.20E-201 709.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035532 6596 414.1 UdeM00000035532 XP_045206510.1 31 942
565 16 1 923 1 876 4.80E-112 414.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035533 37653 222.6 UdeM00000035533 XP_014771836.1 85.2 128
19 0 1 128 3 130 3.80E-55 222.6 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000035534 6579 298.1 UdeM00000035534 XP_033763153.1 65.9 208
64 1 35 235 26 233 9.70E-78 298.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035535 6596 470.7 UdeM00000035535 XP_045208557.1 54.5 446
176 6 514 939 44 482 5.20E-129 470.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035536 6596 153.3 UdeM00000035536 XP_045195116.1 29.1 354
192 7 48 357 98 436 5.90E-34 153.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035537 6596 124 UdeM00000035537 XP_045206689.1 50.5 111
 55 0 1 111 1 111 2.90E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035538 6596 1321.6 UdeM00000035538 XP_045206689.1 45
 1487 725 34 1 1422 110 1568 0.00E+00 1321.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035539 6573 1048.5 UdeM00000035539 XP_021364986.1 44.5
 1292 644 21 16 1290 1573 2808 6.90E-303 1048.5 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023648 6596 619.4 UdeM00000023648 XP_045160980.1 51.3 577
 237 14 12 554 12 578 4.50E-174 619.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023650 400727 186.4 UdeM00000023650 XP_025111216.1 50.8
 195 84 1 35 217 9 203 3.90E-44 186.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000023651 151771 181.8 UdeM00000023651 XP_028391651.1 54.8
 157 71 0 213 369 8 164 1.70E-42 181.8 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000023652 400682 192.2 UdeM00000023652 XP_019853895.1 56.1
 171 70 1 84 254 10 175 8.80E-46 192.2 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000023653 151771 179.5 UdeM00000023653 XP_028391651.1 55.6
 153 68 0 193 345 8 160 8.00E-42 179.5 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000023654 6573 495.7 UdeM00000023654 XP_021343751.1 52.4 454
 211 3 11 461 16 467 6.20E-137 495.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023655 6573 497.3 UdeM00000023655 XP_021343750.1 52.4 454
 211 3 29 479 26 477 2.20E-137 497.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023656 6596 66.2 UdeM00000023656 XP_045160012.1 34.3 99
 64 1 164 261 186 284 7.20E-08 66.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023657 6596 70.1 UdeM00000023657 XP_045160012.1 36.4 99
 62 1 65 162 186 284 3.20E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023658 6596 66.6 UdeM00000023658 XP_045160012.1 35.4 99
 63 1 164 261 186 284 5.50E-08 66.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023659 10224 306.6 UdeM00000023659 XP_002730583.1 49.1 330
 140 4 1 330 1 302 6.30E-80 306.6 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000023660 6579 117.5 UdeM00000023660 XP_033737493.1 68.3 82
 26 0 28 109 449 530 1.10E-23 117.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023661 6579 438.7 UdeM00000023661 XP_033737494.1 49.7 479
 207 8 1 460 1 464 9.10E-120 438.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023662 6596 1580.8 UdeM00000023662 XP_045171466.1 53.1
 1506 518 15 10 1335 13 1510 0.00E+00 1580.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023663 6596 939.5 UdeM00000023663 XP_045171466.1 57 821
 324 9 1 808 706 1510 2.90E-270 939.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023664 6579 385.6 UdeM00000023664 XP_033748269.1 58.1 327
 118 3 93 401 297 622 7.90E-104 385.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000023666 6596 194.1 UdeM00000023666 XP_045164955.1 42.7 246
125 5 30 270 66 300 2.30E-46 194.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000023667 29159 301.6 UdeM00000023667 XP_011436647.1 86.5 207
28 0 2 208 1 207 7.80E-79 301.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000023668 6596 617.8 UdeM00000023668 XP_045158579.1 63.7 433
153 2 277 706 227 658 1.70E-173 617.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000023670 7070 382.1 UdeM00000023670 XP_015840160.1 65.8 292
80 1 5 276 4 295 6.10E-103 382.1 7070 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucujiformia; Tenebrionoidea; Tenebrionidae; Tenebrionidae incertae sedis; Tribolium; Tribolium castaneum
UdeM00000023671 6579 233.8 UdeM00000023671 XP_033738997.1 53.9 245
101 6 1 236 114 355 2.70E-58 233.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000023673 1735272 290.4 UdeM00000023673 XP_041360226.1 72.2
194 54 0 1 194 1 194 1.80E-75 290.4 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000023674 6565 852.8 UdeM00000023674 XP_022318994.1 75.7 575
126 6 10 575 1 570 2.50E-244 852.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000023675 1735272 2468.3 UdeM00000023675 XP_041360358.1
66.5 1826 586 9 18 1824 216 2035 0.00E+00 2468.3
1735272 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000023676 6579 241.5 UdeM00000023676 XP_033737511.1 58.4 202
78 4 15 211 43 243 1.00E-60 241.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000023677 1735272 173.3 UdeM00000023677 XP_041357473.1 38.6
 241 134 4 35 261 208 448 4.10E-40 173.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023678 37653 141.7 UdeM00000023678 XP_014770615.1 56.1 123
 54 0 36 158 28 150 7.80E-31 141.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000023679 6579 434.1 UdeM00000023679 XP_033738102.1 36.7 713
 219 11 36 739 8 497 3.50E-118 434.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023680 6573 1789.2 UdeM00000023680 XP_021378909.1 45.7
 2188 1127 22 1 2163 1 2152 0.00E+00 1789.2 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023681 6596 169.5 UdeM00000023681 XP_045159656.1 50 152
 73 1 33 181 34 185 4.00E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023682 6596 658.7 UdeM00000023682 XP_045159656.1 54.6 652
 282 7 366 1010 474 1118 1.20E-185 658.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023683 6596 670.6 UdeM00000023683 XP_045159657.1 45.1 930
 403 17 21 856 188 1103 2.60E-189 670.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023684 6500 227.6 UdeM00000023684 XP_005099284.1 40.5 343
 155 7 3 330 26 334 3.20E-56 227.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000023685 76193 157.9 UdeM00000023685 XP_014360361.1 37.1 291
 137 7 1 277 1 259 1.90E-35 157.9 76193 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoide
 a;Papilionidae;Papilioninae;Papilionini;Papilio;Papilio machaon
 UdeM00000023686 7574 352.4 UdeM00000023686 XP_013399327.1 92.7 193
 14 0 1 193 2 194 3.60E-94 352.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000023687 37653 107.8 UdeM00000023687 XP_014789406.1 50.4 117
52 2 1 117 1 111 9.40E-21 107.8 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000023688 29159 490 UdeM00000023688 XP_034314219.1 66.5 337
113 0 5 341 3 339 2.50E-135 490 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023689 6579 377.1 UdeM00000023689 XP_033738239.1 46.7 478
197 5 170 604 339 801 5.50E-101 377.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023691 6573 380.9 UdeM00000023691 XP_021353978.1 89.4 217
23 0 38 254 8 224 1.20E-102 380.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023692 6596 1547.3 UdeM00000023692 XP_045160995.1 40.7
1852 538 9 10 1359 10 1802 0.00E+00 1547.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023693 6596 1554.3 UdeM00000023693 XP_045160995.1 40.8
1854 537 9 10 1361 10 1804 0.00E+00 1554.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023694 6573 288.5 UdeM00000023694 XP_021343700.1 55.8 206
91 0 101 306 1167 1372 1.40E-74 288.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023695 1529436 77 UdeM00000023695 XP_033101539.1 31
168 107 4 90 250 398 563 3.80E-11 77 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000023696 7668 76.6 UdeM00000023696 XP_030841303.1 33.8 145
88 3 1 145 924 1060 3.10E-11 76.6 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000023697 77115 476.9 UdeM00000023697 XP_038133904.1 57.6 377
 158 1 9 385 11 385 2.50E-131 476.9 77115 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinod
 ontini;Cyprinodon;Cyprinodon tularosa
 UdeM00000023698 8218 166.4 UdeM00000023698 XP_034095767.1 25.4 633
 244 16 5 430 3 614 8.00E-38 166.4 8218 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps
 UdeM00000023699 6579 744.2 UdeM00000023699 XP_033736664.1 65.6 521
 178 1 23 543 23 542 1.20E-211 744.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023700 6596 1230.7 UdeM00000023700 XP_045158888.1 61.8
 1071 406 3 30 1098 52 1121 0.00E+00 1230.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023701 6596 478.8 UdeM00000023701 XP_045158884.1 64.4 368
 69 2 1 368 1 306 6.30E-132 478.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023702 6596 381.3 UdeM00000023702 XP_045159992.1 59.1 330
 122 4 32 352 1 326 1.30E-102 381.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023703 6596 467.6 UdeM00000023703 XP_045160468.1 48.4 589
 265 15 41 600 667 1245 2.40E-128 467.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023704 6596 679.1 UdeM00000023704 XP_045160468.1 58.6 544
 219 4 3 544 130 669 4.70E-192 679.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023705 6596 84 UdeM00000023705 XP_045160468.1 38.8 103
 63 0 19 121 21 123 2.00E-13 84 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023707 6500 393.3 UdeM00000023707 XP_005097943.1 57.2 339
 142 2 4 340 3 340 3.40E-106 393.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000023706 6500 443.7 UdeM00000023706 XP_005097943.1 56 393
 170 2 4 394 3 394 2.40E-121 443.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000023708 6596 150.6 UdeM00000023708 XP_045159332.1 26.1 587
 377 16 4 543 463 1039 5.90E-33 150.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023709 2607531 190.3 UdeM00000023709 XP_029653565.1 30.3
 356 210 7 44 389 9 336 4.70E-45 190.3 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000023711 225164 187.6 UdeM00000023711 XP_009067151.1 45.7
 210 111 2 1 210 341 547 1.70E-44 187.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000023710 400727 609.4 UdeM00000023710 XP_025079086.1 55.3
 552 239 3 30 578 25 571 4.80E-171 609.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000023712 6596 248.4 UdeM00000023712 XP_045160701.1 39.6 399
 227 5 26 421 58 445 1.60E-62 248.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023713 29159 639.4 UdeM00000023713 XP_011446037.2 63.5 504
 179 3 32 535 30 528 4.00E-180 639.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023714 6596 622.1 UdeM00000023714 XP_045160696.1 36.2 1089
 620 23 1 1049 256 1309 1.50E-174 622.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023715 6596 275.8 UdeM00000023715 XP_045160696.1 58.5 205
82 2 22 223 23 227 4.90E-71 275.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023716 6579 481.9 UdeM00000023716 XP_033737570.1 63.2 364
134 0 1 364 31 394 7.30E-133 481.9 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000023717 6596 223.8 UdeM00000023717 XP_045160545.1 82.3 130
23 0 1 130 1 130 1.30E-55 223.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023718 6596 360.1 UdeM00000023718 XP_045160632.1 72.2 234
65 0 4 237 6 239 2.10E-96 360.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023719 6596 277.7 UdeM00000023719 XP_045160632.1 77.3 163
37 0 4 166 6 168 9.60E-72 277.7 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023720 6596 848.6 UdeM00000023720 XP_045160628.1 72.8 581
153 4 1 577 1 580 4.80E-243 848.6 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023721 6596 844 UdeM00000023721 XP_045160628.1 72.6 583
153 5 1 579 1 580 1.20E-241 844 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023722 6526 73.6 UdeM00000023722 XP_013071333.1 60 65
20 2 38 101 188 247 3.50E-10 73.6 6526 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeidae; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000023723 6526 70.5 UdeM00000023723 XP_013071333.1 58.7 63
20 2 13 74 190 247 2.60E-09 70.5 6526 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan

pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000023724	6565	335.5	UdeM00000023724	XP_022319940.1	74.3	284
60	3	251	521	196	479	1.30E-88
						335.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica						
UdeM00000023724	6565	52.8	UdeM00000023724	XP_022319940.1	60	40
16	0	1	40	1	40	1.60E-03
						52.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica						
UdeM00000023725	6573	192.2	UdeM00000023725	XP_021370728.1	38	271
159	3	1	269	4	267	8.70E-46
						192.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis						
UdeM00000023727	6596	195.7	UdeM00000023727	XP_045157160.1	37	300
187	2	3	300	6	305	9.00E-47
						195.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria						
UdeM00000023726	6596	196.4	UdeM00000023726	XP_045157160.1	37	300
187	2	3	300	6	305	5.30E-47
						196.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria						
UdeM00000023728	29159	120.9	UdeM00000023728	XP_034312516.1	42.9	133
71	3	57	184	48	180	1.70E-24
						120.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas						
UdeM00000023729	1735272	204.9	UdeM00000023729	XP_041359436.1	39.4	
388	176	13	66	420	69	430
						2.60E-49
						204.9 1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis						
UdeM00000023730	6596	570.1	UdeM00000023730	XP_045159835.1	65.8	527
170	2	66	591	69	586	3.30E-159
						570.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria						
UdeM00000023731	6596	585.9	UdeM00000023731	XP_045158962.1	75.6	369
89	1	23	390	17	385	3.90E-164
						585.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria						
UdeM00000023732	6596	667.9	UdeM00000023732	XP_045158961.1	55	562
249	2	1	558	33	594	1.10E-188
						667.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023733 29159 64.3 UdeM00000023733 XP_034307341.1 53.8 52
24 0 23 74 145 196 2.10E-07 64.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023734 1735272 65.1 UdeM00000023734 XP_041353177.1 37.3
83 52 0 1 83 1 83 7.00E-08 65.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023736 29159 248.8 UdeM00000023736 XP_011437092.2 42.2 329
177 9 208 530 120 441 1.50E-62 248.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023737 37653 137.1 UdeM00000023737 XP_014772067.1 70.8 106
26 1 1 106 1 101 1.30E-29 137.1 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000023738 6579 741.9 UdeM00000023738 XP_033739131.1 58.6 590
239 3 1 587 783 1370 6.30E-211 741.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023739 6579 194.5 UdeM00000023739 XP_033741736.1 52.9 189
85 2 1 187 671 857 1.30E-46 194.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023740 6573 896 UdeM00000023740 XP_021369046.1 61.8 663
248 4 173 834 194 852 3.70E-257 896 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023741 6579 157.5 UdeM00000023741 XP_033743219.1 40.1 217
113 6 26 237 34 238 2.10E-35 157.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023742 6596 726.9 UdeM00000023742 XP_045158667.1 60.4 581
223 5 5 584 40 614 2.10E-206 726.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023744 6596 740.3 UdeM00000023744 XP_045160033.1 75.6 501
115 4 1 497 1 498 1.60E-210 740.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023750 6596 495 UdeM00000023750 XP_045160273.1 46.1 547
272 5 63 604 17 545 1.50E-136 495 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023751 6596 495.4 UdeM00000023751 XP_045160273.1 44.6 579
265 5 63 635 17 545 1.20E-136 495.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023752 6579 219.5 UdeM00000023752 XP_033739233.1 36.3 325
192 6 27 343 76 393 6.40E-54 219.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023753 6573 248.4 UdeM00000023753 XP_021367798.1 39.6 331
188 5 17 336 22 351 2.50E-62 248.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023754 6596 402.9 UdeM00000023754 XP_045160980.1 41.5 467
245 9 31 474 92 553 6.00E-109 402.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023755 6596 92 UdeM00000023755 XP_045159326.1 39.8 123
74 0 97 219 12 134 1.30E-15 92 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023756 6596 664.8 UdeM00000023756 XP_045160245.1 48.8 680
332 7 1 676 1 668 1.10E-187 664.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023757 6573 225.3 UdeM00000023757 XP_021343705.1 36.8 378
205 10 4 366 6 364 7.60E-55 225.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023758 1735272 450.3 UdeM00000023758 XP_041356936.1 65.7
303 104 0 1 303 5 307 2.00E-123 450.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023759 6573 1565.4 UdeM00000023759 XP_021370763.1 88.2
 867 96 2 1 861 4 870 0.00E+00 1565.4 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023760 29159 479.2 UdeM00000023760 XP_011427272.2 51.6 407
 195 1 32 438 22 426 5.70E-132 479.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023761 1735272 386.7 UdeM00000023761 XP_041357117.1 48.4
 397 198 4 82 473 59 453 4.20E-104 386.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023766 6579 205.7 UdeM00000023766 XP_033729790.1 39.8 274
 160 2 10 283 17 285 1.00E-49 205.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023767 6596 392.1 UdeM00000023767 XP_045157900.1 64.1 357
 117 6 1 352 45 395 7.40E-106 392.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023768 29159 126.3 UdeM00000023768 XP_011418260.1 50.7 152
 67 3 1 145 251 401 3.20E-26 126.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023769 6573 113.6 UdeM00000023769 XP_021353866.1 30 230
 138 3 1 210 1 227 4.30E-22 113.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023771 6565 116.3 UdeM00000023771 XP_022313060.1 34.1 167
 109 1 8 173 8 174 6.60E-23 116.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023772 6565 116.3 UdeM00000023772 XP_022313060.1 34.1 167
 109 1 7 172 8 174 6.60E-23 116.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023773 1735272 291.2 UdeM00000023773 XP_041358084.1 47.9
 284 146 2 2 284 3 285 1.60E-75 291.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023774 6596 79.7 UdeM00000023774 XP_045197645.1 52.2 67
 31 1 1 66 46 112 1.60E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023775 6573 88.6 UdeM00000023775 XP_021356803.1 31.4 283
 168 10 15 273 27 307 2.50E-14 88.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023777 1735272 659.4 UdeM00000023777 XP_041360400.1 65.9
 498 98 2 14 511 7 432 3.60E-186 659.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023778 6596 65.5 UdeM00000023778 XP_045159302.1 30.3 195
 111 5 1 171 1 194 9.50E-08 65.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023779 6596 318.5 UdeM00000023779 XP_045159304.1 75.3 215
 47 3 1 209 1 215 6.20E-84 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023781 6596 1386.3 UdeM00000023781 XP_045159987.1 76.6
 852 196 3 114 962 3 854 0.00E+00 1386.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023782 6579 513.8 UdeM00000023782 XP_033738307.1 62.6 428
 144 6 1 423 145 561 2.00E-142 513.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023784 6573 248.8 UdeM00000023784 XP_021342262.1 56.1 246
 99 5 1 245 10 247 1.00E-62 248.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023785 6573 245.7 UdeM00000023785 XP_021342262.1 59.2 218
 86 3 9 225 32 247 8.20E-62 245.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023787 6573 313.2 UdeM00000023787 XP_021376834.1 38.9 396
 232 2 1 395 1 387 5.00E-82 313.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000023790 6596 1417.1 UdeM00000023790 XP_045159796.1 68.2
1020 304 5 31 1042 83 1090 0.00E+00 1417.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023791 6596 879 UdeM00000023791 XP_045159797.1 49.8 835
411 4 3 831 64 896 4.70E-252 879 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023792 225164 868.6 UdeM00000023792 XP_009066261.1 95.2
433 21 0 1 433 1 433 3.40E-249 868.6 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
Lottiidae;Lottia;Lottia gigantea

UdeM00000023793 6596 290.8 UdeM00000023793 XP_045157464.1 38.9 494
221 11 1 444 321 783 3.40E-75 290.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023794 6596 129.4 UdeM00000023794 XP_045157464.1 28.7 268
170 7 55 316 40 292 8.30E-27 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023795 6596 159.5 UdeM00000023795 XP_045157465.1 35.3 365
194 11 17 370 72 405 8.50E-36 159.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023796 6565 144.1 UdeM00000023796 XP_022316449.1 36 480
256 14 56 506 51 508 5.80E-31 144.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023797 6596 800.8 UdeM00000023797 XP_045158377.1 37.1 1142
673 9 21 1120 54 1192 2.30E-228 800.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023799 6596 743.8 UdeM00000023799 XP_045158377.1 35.7 1140
643 11 2 1066 68 1192 3.20E-211 743.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000023800 1735272 283.5 UdeM00000023800 XP_041374201.1 45.7
 324 169 3 4 321 13 335 3.70E-73 283.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023801 1735272 279.6 UdeM00000023801 XP_041374211.1 46
 324 168 3 6 323 16 338 5.30E-72 279.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023802 1415580 552.7 UdeM00000023802 XP_030075314.1 56.4
 502 213 4 1 497 125 625 4.60E-154 552.7 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor
 UdeM00000023803 6596 344.7 UdeM00000023803 XP_045158388.1 40.8 463
 256 5 2 453 1 456 3.50E-91 344.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000023804 6596 273.9 UdeM00000023804 XP_045158949.1 32.6 629
 334 20 9 575 5 605 4.80E-70 273.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000023808 6573 224.2 UdeM00000023808 XP_021343555.1 58.8 177
 69 2 1 173 624 800 1.40E-55 224.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023805 6579 427.6 UdeM00000023805 XP_033738050.1 59 339
 136 3 25 360 452 790 1.70E-116 427.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023806 6579 637.1 UdeM00000023806 XP_033738050.1 43.7 771
 353 14 40 752 43 790 2.90E-179 637.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023807 6579 638.3 UdeM00000023807 XP_033738050.1 43.3 794
 366 15 19 754 23 790 1.30E-179 638.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023809 6579 201.1 UdeM00000023809 XP_033738049.1 62.5 144
 54 0 1 144 646 789 1.40E-48 201.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023810 6579 427.2 UdeM00000023810 XP_033738049.1 38.4 623
 303 13 40 604 43 642 3.50E-116 427.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023811 6579 221.5 UdeM00000023811 XP_033738049.1 32.5 422
 208 10 40 406 43 442 2.20E-54 221.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023813 6565 147.9 UdeM00000023813 XP_022313745.1 42 181
 99 3 10 187 7 184 1.40E-32 147.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023814 6596 961.4 UdeM00000023814 XP_045160377.1 70.5 675
 170 7 1 670 1 651 5.80E-277 961.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023815 1735272 199.5 UdeM00000023815 XP_041359390.1 50.5
 186 91 1 9 193 5 190 3.90E-48 199.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023818 6596 157.1 UdeM00000023818 XP_045157534.1 50.5 200
 84 4 31 218 5 201 2.50E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023819 6565 99.8 UdeM00000023819 XP_022319521.1 59 100
 39 2 13 110 8 107 2.50E-18 99.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023820 400727 260 UdeM00000023820 XP_025083028.1 60.5
 352 123 7 1 339 1 349 4.30E-66 260 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000023821 6565 589.7 UdeM00000023821 XP_022315900.1 72.4 406
 64 3 5 363 7 411 2.60E-165 589.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000023822 6596 335.1 UdeM00000023822 XP_045160627.1 64.6 274
 89 5 1 273 1 267 8.30E-89 335.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023823 6596 518.8 UdeM00000023823 XP_045160297.1 61.7 399
 149 3 7 403 6 402 6.00E-144 518.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023824 6596 474.9 UdeM00000023824 XP_045160296.1 54.6 401
 180 2 6 406 4 402 1.00E-130 474.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023825 6579 708 UdeM00000023825 XP_033737802.1 52.8 902
 353 19 53 906 4 880 1.60E-200 708 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023827 6579 98.6 UdeM00000023827 XP_033737041.1 41.2 131
 71 3 1 130 1 126 8.30E-18 98.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023828 6579 107.8 UdeM00000023828 XP_033737040.1 45 140
 65 3 1 139 1 129 1.30E-20 107.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023831 6565 320.5 UdeM00000023831 XP_022320668.1 63.7 226
 82 0 2 227 406 631 1.80E-84 320.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023832 1735272 115.2 UdeM00000023832 XP_041359694.1 40.5
 173 91 5 1 163 1 171 8.20E-23 115.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023833 6579 104.8 UdeM00000023833 XP_033737040.1 40.5 168
 84 5 1 163 1 157 1.20E-19 104.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023834 1735272 125.6 UdeM00000023834 XP_041359694.1 42.8
 173 87 5 1 163 1 171 6.10E-26 125.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000023835 225164 89.4 UdeM00000023835 XP_009061016.1 34.8
112 72 1 7 117 1 112 4.30E-15 89.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000023836 6573 80.1 UdeM00000023836 XP_021356730.1 46.7 105
52 3 7 108 3 106 2.60E-12 80.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000023837 225164 82.8 UdeM00000023837 XP_009061017.1 51.3
76 37 0 31 106 25 100 4.10E-13 82.8 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000023838 6596 172.9 UdeM00000023838 XP_045158926.1 53.2 156
69 2 1 153 1 155 3.10E-40 172.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023839 6596 171.4 UdeM00000023839 XP_045158927.1 54.6 141
64 0 1 141 3 143 8.30E-40 171.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023840 6596 109.4 UdeM00000023840 XP_045159831.1 44.7 132
72 1 6 137 7 137 4.90E-21 109.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023841 6596 106.7 UdeM00000023841 XP_045159831.1 42.1 145
75 2 11 154 10 146 3.30E-20 106.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023842 6579 1042 UdeM00000023842 XP_033732322.1 66.1 778
259 5 1 776 1 775 3.90E-301 1042 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000023843 6596 739.6 UdeM00000023843 XP_045160982.1 55.6 648
275 6 1 638 711 1355 3.40E-210 739.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000023844 280463 136.7 UdeM00000023844 XP_005768395.1 58.7
 104 43 0 2 105 153 256 1.70E-29 136.7 280463
 cellular
 organisms;Eukaryota;Haptista;Haptophyta;Prymnesiophyceae;Isochrysidales;N
 oelaerhabdaceae;Emiliana;Emiliana huxleyi;Emiliana huxleyi CCMP1516
 UdeM00000023845 7906 144.8 UdeM00000023845 XP_034774084.1 60.4 106
 40 1 1 106 1 104 6.30E-32 144.8 7906 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipen
 seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus
 UdeM00000023846 55291 96.3 UdeM00000023846 XP_039615325.1 51 98
 48 0 1 98 1 98 2.50E-17 96.3 55291 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Polypterus;Polypterus
 senegalus
 UdeM00000023848 6596 502.7 UdeM00000023848 XP_045158208.1 57.9 534
 187 17 22 530 1 521 6.10E-139 502.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023849 6596 691.8 UdeM00000023849 XP_045158208.1 67 531
 163 6 20 540 515 1043 7.00E-196 691.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023850 6596 658.3 UdeM00000023850 XP_045193857.1 54.8 595
 250 6 6 586 3 592 9.30E-186 658.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023851 6596 588.6 UdeM00000023851 XP_045193857.1 48.2 600
 287 7 3 586 2 593 9.00E-165 588.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023852 6596 266.2 UdeM00000023852 XP_045193857.1 39.9 338
 192 4 1 334 145 475 6.40E-68 266.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023853 6596 128.3 UdeM00000023853 XP_045193857.1 63.6 99
 34 2 3 100 2 99 5.70E-27 128.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023854 6596 592 UdeM00000023854 XP_045193857.1 50.3 599
 277 10 3 587 2 593 8.20E-166 592 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023855 37653 509.2 UdeM00000023855 XP_014784610.1 60.5 408
 147 4 1 395 1 407 4.70E-141 509.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000023856 37653 499.6 UdeM00000023856 XP_014784610.1 60 408
 149 4 1 395 1 407 3.70E-138 499.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000023857 6596 354.4 UdeM00000023857 XP_045158209.1 62 271
 103 0 1 271 18 288 1.30E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023858 37653 362.8 UdeM00000023858 XP_014776781.1 45.7 363
 196 1 23 385 19 380 5.30E-97 362.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000023859 6596 370.2 UdeM00000023859 XP_045158212.1 78.8 222
 47 0 1 222 1 222 1.90E-99 370.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023860 6579 746.9 UdeM00000023860 XP_033737990.1 48.8 849
 324 9 2 813 31 805 2.70E-212 746.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023861 6596 434.5 UdeM00000023861 XP_045158209.1 71.6 289
 81 1 1 288 1 289 1.10E-118 434.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023862 6596 2583.5 UdeM00000023862 XP_045158188.1 57
 2400 856 35 7 2276 104 2457 0.00E+00 2583.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023863 6596 230.3 UdeM00000023863 XP_045158869.1 57.9 178
 74 1 1 178 3 179 1.90E-57 230.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023864 400727 84 UdeM00000023864 XP_025110405.1 51.9
77 37 0 5 81 10 86 2.50E-13 84 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000023865 6412 75.5 UdeM00000023865 XP_009013141.1 44.3 88
40 2 1 79 1 88 5.90E-11 75.5 6412 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossosiphoniidae;Helobdella;Helobdella robusta

UdeM00000023866 6412 81.3 UdeM00000023866 XP_009013141.1 66.1 56
19 0 1 56 109 164 5.40E-13 81.3 6412 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossosiphoniidae;Helobdella;Helobdella robusta

UdeM00000023868 29159 176.4 UdeM00000023868 XP_011453722.2 55.4 202
71 5 1 200 142 326 3.60E-41 176.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023867 29159 308.1 UdeM00000023867 XP_011453722.2 61.2 286
92 5 1 284 58 326 1.10E-80 308.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023869 6596 338.6 UdeM00000023869 XP_045158934.1 80.9 199
38 0 1 199 1 199 5.50E-90 338.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023870 225164 223 UdeM00000023870 XP_009054793.1 33.9
401 240 7 82 478 66 445 8.30E-55 223 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000023871 225164 208 UdeM00000023871 XP_009054793.1 32.4
401 246 7 82 478 66 445 2.70E-50 208 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000023872 1529436 60.8 UdeM00000023872 XP_033095325.1 52.5
59 24 2 80 137 180 235 1.60E-06 60.8 1529436

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000023873 151771 220.7 UdeM00000023873 XP_028403234.1 53.9
 204 93 1 1 203 1 204 1.70E-54 220.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000023874 45264 146.4 UdeM00000023874 XP_044184028.1 48.3 176
 86 3 42 216 68 239 5.10E-32 146.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000023876 29159 213 UdeM00000023876 XP_034339350.1 31.4 452
 280 8 39 478 22 455 8.50E-52 213 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000023877 6596 446.4 UdeM00000023877 XP_045158619.1 54 737
 274 12 1 723 1 686 6.80E-122 446.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023878 6579 243.4 UdeM00000023878 XP_033737273.1 59.4 202
 79 1 5 206 4 202 2.50E-61 243.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023879 6573 381.3 UdeM00000023879 XP_021359581.1 59.5 284
 115 0 1 284 202 485 1.10E-102 381.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023880 6573 302 UdeM00000023880 XP_021375388.1 64.7 255
 49 4 1 252 1 217 7.20E-79 302 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023881 1735272 303.1 UdeM00000023881 XP_041358520.1 66
 253 38 5 3 250 5 214 3.20E-79 303.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000023882 6579 623.6 UdeM00000023882 XP_033738954.1 40.5 1048
 456 30 7 939 19 1013 4.00E-175 623.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000023888 6596 83.2 UdeM00000023888 XP_045160677.1 22.4 277
 196 8 108 372 46 315 1.00E-12 83.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000023889 6596 1058.9 UdeM00000023889 XP_045160969.1 67.8
 914 261 12 1 887 1 908 3.50E-306 1058.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023891 260995 76.3 UdeM00000023891 XP_033812940.1 43.6
 78 43 1 1 78 1 77 2.60E-11 76.3 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
 e;Geotrypetes;Geotrypetes seraphini
 UdeM00000023893 260995 76.3 UdeM00000023893 XP_033812940.1 43.6
 78 43 1 1 78 1 77 2.60E-11 76.3 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
 e;Geotrypetes;Geotrypetes seraphini
 UdeM00000023894 6596 1163.7 UdeM00000023894 XP_045160053.1 63.3
 1342 435 19 1 1298 8 1335 0.00E+00 1163.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023895 6596 224.6 UdeM00000023895 XP_045158207.1 94.9 117
 6 0 1 117 1 117 6.80E-56 224.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023896 6565 417.2 UdeM00000023896 XP_022317535.1 88.8 258
 28 1 2 258 370 627 1.60E-113 417.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000023897 6596 293.9 UdeM00000023897 XP_045158202.1 37.6 426
 215 4 43 417 54 479 3.30E-76 293.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000023898 6573 174.9 UdeM00000023898 XP_021360127.1 38.2 249
 132 5 4 247 9 240 1.30E-40 174.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000023899 6579 172.6 UdeM00000023899 XP_033736540.1 40.2 239
 115 7 18 248 3 221 6.70E-40 172.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000023900 37653 523.5 UdeM00000023900 XP_014784610.1 62.5 411
140 4 1 398 1 410 2.40E-145 523.5 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000023901 1529436 155.2 UdeM00000023901 XP_033095325.1 47.1
153 81 0 83 235 48 200 1.10E-34 155.2 1529436
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Pelmatozoa; Crinoidea; Articulata; Comatulida; Comatulidae; Comatulinae; Anneissia; Anneissia japonica

UdeM00000023903 6945 81.3 UdeM00000023903 XP_040069682.2 26.7 180
128 2 6 181 37 216 2.40E-12 81.3 6945 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Acari; Parasitiformes; Ixodida; Ixodoidea; Ixodidae; Ixodinae; Ixodes; Ixodes scapularis

UdeM00000023904 37653 112.8 UdeM00000023904 XP_014784610.1 57.8 102
40 2 1 100 1 101 2.50E-22 112.8 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000023905 400727 391 UdeM00000023905 XP_025096893.1 65.8
278 92 1 1 275 137 414 1.30E-105 391 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000023906 6596 517.7 UdeM00000023906 XP_045159097.1 71.1 350
101 0 1 350 1 350 1.20E-143 517.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023907 6579 98.2 UdeM00000023907 XP_033738204.1 40.5 126
73 1 1 126 61 184 8.00E-18 98.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000023908 6596 585.9 UdeM00000023908 XP_045159098.1 39.2 852
492 6 1 829 61 909 8.20E-164 585.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000023909 6565 349.4 UdeM00000023909 XP_022315185.1 52.8 409
164 6 16 404 1 400 1.40E-92 349.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000023910 6596 91.7 UdeM00000023910 XP_045157391.1 58.2 91
31 2 2 88 166 253 6.40E-16 91.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023913 6596 246.1 UdeM00000023913 XP_045157391.1 76 150
36 0 2 151 1421 1570 2.80E-62 246.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023914 29159 664.5 UdeM00000023914 XP_011441194.1 70.9 478
124 5 1 465 1 476 1.00E-187 664.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000023915 400727 184.9 UdeM00000023915 XP_025109077.1 38.8
209 125 2 19 224 33 241 3.00E-43 184.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000023916 6596 83.2 UdeM00000023916 XP_045216974.1 22.3 484
312 16 263 718 314 761 2.50E-12 83.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023917 1735272 210.3 UdeM00000023917 XP_041366050.1 45.3
267 118 6 9 256 15 272 2.90E-51 210.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023918 1735272 160.2 UdeM00000023918 XP_041366048.1 48.5
167 83 2 3 167 320 485 2.20E-36 160.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000023919 6596 280 UdeM00000023919 XP_045159443.1 43.8 411
196 10 1 393 71 464 4.80E-72 280 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000023920 6596 307.4 UdeM00000023920 XP_045188426.1 38.7 506
279 12 39 530 3 491 3.60E-80 307.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011811 6500 87.8 UdeM00000011811 XP_012944080.1 39.6 139
81 3 62 199 306 442 1.80E-14 87.8 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000011812 6596 701 UdeM00000011812 XP_045157816.1 75.2 432
104 1 5 436 15 443 9.20E-199 701 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011813 6565 328.2 UdeM00000011813 XP_022318483.1 75.1 201
50 0 1 201 1 201 7.50E-87 328.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000011814 6596 289.3 UdeM00000011814 XP_045157813.1 82.2 185
31 2 1 184 1 184 3.50E-75 289.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011816 6579 76.6 UdeM00000011816 XP_033758553.1 31.1 132
87 1 221 348 124 255 1.00E-10 76.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000011817 6596 359 UdeM00000011817 XP_045157812.1 81.3 214
40 0 57 270 7 220 5.30E-96 359 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011818 6596 354 UdeM00000011818 XP_045157812.1 81.9 210
38 0 3 212 11 220 1.30E-94 354 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000011819 6565 65.9 UdeM00000011819 XP_022317641.1 41.3 121
55 7 464 572 575 691 2.00E-07 65.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000011820 29159 241.1 UdeM00000011820 XP_034314851.1 92.2 129
10 0 1 129 450 578 7.90E-61 241.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000011821 29159 430.6 UdeM00000011821 XP_011456266.2 84.7 255
36 2 78 331 288 540 1.80E-117 430.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000011822 6579 373.2 UdeM00000011822 XP_033736949.1 84.3 216
34 0 90 305 66 281 3.10E-100 373.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011824 6596 1380.5 UdeM00000011824 XP_045160983.1 55
1406 529 24 75 1449 51 1384 0.00E+00 1380.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011825 6596 1380.5 UdeM00000011825 XP_045160983.1 55
1406 529 24 75 1449 51 1384 0.00E+00 1380.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011826 6596 231.1 UdeM00000011826 XP_045159643.1 55 202
88 2 2 201 53 253 1.30E-57 231.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011827 6596 256.5 UdeM00000011827 XP_045159643.1 51.4 251
118 3 5 252 4 253 3.50E-65 256.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011828 400727 255.8 UdeM00000011828 XP_025110934.1 61.8
207 74 2 50 251 56 262 6.00E-65 255.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000011829 6596 244.2 UdeM00000011829 XP_045159645.1 54.1 220
89 4 4 223 7 214 1.60E-61 244.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011830 6573 346.3 UdeM00000011830 XP_021363904.1 42.6 399
216 5 23 417 26 415 5.60E-92 346.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011831 7998 89.4 UdeM00000011831 XP_017332455.1 62.7 75
25 2 1 73 81 154 4.50E-15 89.4 7998 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluridae;Ictaluridae;Ictalurus;Ictalurus punctatus

UdeM00000011832 6573 347.8 UdeM00000011832 XP_021363904.1 42.6 399
216 5 23 417 26 415 1.90E-92 347.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011833 6573 348.6 UdeM00000011833 XP_021363837.1 43.2 410
219 5 13 417 15 415 1.10E-92 348.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011834 6573 348.6 UdeM00000011834 XP_021363837.1 43.2 410
219 5 13 417 15 415 1.10E-92 348.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011835 6573 346.3 UdeM00000011835 XP_021363837.1 42.9 410
220 5 13 417 15 415 5.60E-92 346.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011836 6573 348.6 UdeM00000011836 XP_021363837.1 42.9 410
220 5 13 417 15 415 1.10E-92 348.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011837 6573 350.9 UdeM00000011837 XP_021363904.1 42.9 399
215 5 23 417 26 415 2.30E-93 350.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000011838 6596 622.1 UdeM00000011838 XP_045157827.1 69.4 594
180 2 35 627 1 593 7.80E-175 622.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011839 400727 147.5 UdeM00000011839 XP_025110511.1 54.6
238 78 6 191 418 196 413 3.80E-32 147.5 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000011840 1735272 257.3 UdeM00000011840 XP_041359183.1 53.1
245 106 4 1 237 1 244 1.90E-65 257.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000011841 1735272 562.4 UdeM00000011841 XP_041359982.1 78.8
354 75 0 1 354 1 354 4.10E-157 562.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000011842 6596 568.9 UdeM00000011842 XP_045159723.1 67.2 433
104 2 13 407 2 434 5.10E-159 568.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011843 6596 654.4 UdeM00000011843 XP_045159723.1 75.1 433
107 1 13 444 2 434 1.00E-184 654.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011844 6596 488 UdeM00000011844 XP_045160551.1 44.5 557
299 3 3 550 3072 3627 1.50E-134 488 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011845 6596 3264.2 UdeM00000011845 XP_045160551.1 55
2957 1314 15 1 2946 137 3088 0.00E+00 3264.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011846 6596 144.8 UdeM00000011846 XP_045160551.1 54.8 124
53 2 10 133 10 130 1.10E-31 144.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011848 6565 114 UdeM00000011848 XP_022318496.1 46.4 112
56 4 4 111 86 197 8.30E-22 114 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011856 6596 274.2 UdeM00000011856 XP_045208502.1 54.5 213
95 1 2 214 20 230 1.50E-70 274.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011857 29159 72.4 UdeM00000011857 XP_034334787.1 31.5 162
83 3 1 134 150 311 5.60E-10 72.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011859 6596 72.8 UdeM00000011859 XP_045210360.1 57.4 47
20 0 1 47 91 137 1.70E-10 72.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011860 6596 73.9 UdeM00000011860 XP_045208502.1 42.3 78
43 1 121 198 24 99 2.60E-10 73.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011862 225164 191.8 UdeM00000011862 XP_009050887.1 62.2
135 51 0 4 138 39 173 6.80E-46 191.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000011861 225164 191.8 UdeM00000011861 XP_009050887.1 62.2
135 51 0 13 147 39 173 7.10E-46 191.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000011863 7539 68.9 UdeM00000011863 XP_023026073.1 24.2 298
204 8 69 358 643 926 1.50E-08 68.9 7539 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Chrysomelinae;Doryphorini;Leptinotarsa;Leptinotarsa decemlineata

UdeM00000011864 225164 137.5 UdeM00000011864 XP_009050887.1 59.6
99 40 0 1 99 66 164 1.10E-29 137.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000011865 6596 79.7 UdeM00000011865 XP_045208502.1 40.7 86
49 1 28 113 18 101 2.70E-12 79.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011866 210409 62 UdeM00000011866 XP_045111676.1 22.2
378 238 15 6 358 831 1177 1.80E-06 62 210409
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Brachyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus trituberculatus

UdeM00000011867 6579 59.3 UdeM00000011867 XP_033730472.1 36.6 71
45 0 30 100 185 255 3.30E-06 59.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011868 7539 67.8 UdeM00000011868 XP_023026073.1 23.8 336
226 9 40 358 604 926 3.30E-08 67.8 7539 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Chrysomelinae;Doryphorini;Leptinotarsa;Leptinotarsa decemlineata

UdeM00000011869 114398 67.4 UdeM00000011869 XP_015922483.1 24.7
 299 188 11 67 353 459 732 4.30E-08 67.4 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;
 Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda
 tepidariorum
 UdeM00000011870 6579 544.7 UdeM00000011870 XP_033761334.1 68.6 382
 113 3 64 440 62 441 1.10E-151 544.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011871 6579 581.6 UdeM00000011871 XP_033761334.1 69.2 409
 120 4 36 442 44 448 8.50E-163 581.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011872 37653 368.2 UdeM00000011872 XP_014784607.1 62.5 264
 96 1 1 261 171 434 8.70E-99 368.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
 Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000011873 6596 506.5 UdeM00000011873 XP_045167636.1 63.3 381
 129 4 78 448 64 443 3.40E-140 506.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011874 6596 242.7 UdeM00000011874 XP_045167636.1 69.4 160
 47 1 17 174 64 223 3.60E-61 242.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011875 6579 521.5 UdeM00000011875 XP_033761334.1 59.7 449
 165 5 9 453 13 449 1.10E-144 521.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011876 6596 754.2 UdeM00000011876 XP_045168353.1 49 1002
 421 19 4 975 8 949 2.10E-214 754.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011877 6596 672.2 UdeM00000011877 XP_045168353.1 47.3 833
 363 16 66 882 177 949 9.30E-190 672.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000011879 6596 349.7 UdeM00000011879 XP_045167720.1 37.5 827
 441 18 3 793 2 788 1.00E-92 349.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011880 6596 529.3 UdeM00000011880 XP_045168265.1 49.4 611
277 6 1 584 1 606 6.40E-147 529.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011881 45264 355.1 UdeM00000011881 XP_044165535.1 48.8 336
168 1 2 333 194 529 9.60E-95 355.1 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000011882 1735272 343.2 UdeM00000011882 XP_041365242.1 91.6
179 15 0 1 179 2 180 2.00E-91 343.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltoispiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011883 6565 120.9 UdeM00000011883 XP_022307097.1 68.7 83
26 0 9 91 4 86 8.40E-25 120.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011884 6565 270.4 UdeM00000011884 XP_022308602.1 46.3 287
120 3 13 293 357 615 2.80E-69 270.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011885 6596 355.5 UdeM00000011885 XP_045167924.1 67.2 244
79 1 408 651 120 362 1.40E-94 355.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011886 6596 188.3 UdeM00000011886 XP_045169637.1 59.6 208
59 10 1 200 121 311 9.50E-45 188.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011887 6596 717.6 UdeM00000011887 XP_045169637.1 68.8 581
150 15 1 570 121 681 1.30E-203 717.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011888 6596 542.7 UdeM00000011888 XP_045169637.1 73.9 375
93 4 8 380 310 681 3.70E-151 542.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011889 6596 540.4 UdeM00000011889 XP_045169637.1 73.5 374
 94 4 13 384 311 681 1.90E-150 540.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011890 6565 334.7 UdeM00000011890 XP_022309345.1 23.4 1361
 847 37 4 1282 1 1248 5.10E-88 334.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011891 6573 612.1 UdeM00000011891 XP_021366493.1 33.3 1131
 671 31 5 1090 778 1870 1.40E-171 612.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011892 6579 792.3 UdeM00000011892 XP_033762069.1 58.5 615
 255 0 2 616 10 624 4.30E-226 792.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011893 6579 352.8 UdeM00000011893 XP_033763008.1 66.1 257
 78 3 1 251 1 254 3.50E-94 352.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011894 6565 1030 UdeM00000011894 XP_022309724.1 57 926
 363 9 308 1232 239 1130 2.40E-297 1030 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011895 6596 441.4 UdeM00000011895 XP_045168897.1 46.5 557
 286 3 21 567 32 586 1.80E-120 441.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011896 7654 205.3 UdeM00000011896 XP_041457251.1 50 200
 88 5 31 227 35 225 1.80E-49 205.3 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000011897 7654 203.4 UdeM00000011897 XP_041457255.1 54.1 181
 74 4 7 185 52 225 1.20E-48 203.4 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000011898 7654 207.2 UdeM00000011898 XP_041457255.1 55.2 181
 72 4 49 227 52 225 7.40E-50 207.2 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000011899 6596 188.3 UdeM00000011899 XP_045215936.1 41.4 251
 133 7 4 250 7 247 1.20E-44 188.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011900 6573 465.3 UdeM00000011900 XP_021355706.1 42.5 969
458 14 312 1276 264 1137 2.50E-127 465.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011900 6573 67.8 UdeM00000011900 XP_021355706.1 72.3 47
13 0 1 47 217 263 1.20E-07 67.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011901 6579 172.9 UdeM00000011901 XP_033761832.1 51.9 183
72 4 1 170 1 180 4.10E-40 172.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011903 6596 448.7 UdeM00000011903 XP_045182804.1 85.1 261
39 0 96 356 126 386 6.80E-123 448.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011902 6596 904.8 UdeM00000011902 XP_045182804.1 63.2 772
266 10 96 861 126 885 8.30E-260 904.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011904 6573 1121.3 UdeM00000011904 XP_021355704.1 73
745 199 2 1 743 1 745 0.00E+00 1121.3 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011905 6596 909.4 UdeM00000011905 XP_045168903.1 59.7 914
309 20 22 905 51 935 5.40E-261 909.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011907 6596 821.2 UdeM00000011907 XP_045168477.1 69.8 590
162 5 10 585 31 618 9.50E-235 821.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011908 6596 1453.7 UdeM00000011908 XP_045170513.1 77.3
930 209 1 3 932 2 929 0.00E+00 1453.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011909 6596 112.1 UdeM00000011909 XP_045170513.1 68.2 85
 25 1 3 87 2 84 4.40E-22 112.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011910 6579 127.1 UdeM00000011910 XP_033762530.1 33.8 237
 149 1 7 235 5 241 3.00E-26 127.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011911 6596 347.4 UdeM00000011911 XP_045168835.1 85.4 205
 29 1 1 204 1 205 1.20E-92 347.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011912 41117 189.5 UdeM00000011912 XP_037086006.1 82.7 110
 17 1 50 159 1 108 3.30E-45 189.5 41117 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Pedunculata;Scal
 pellomorpha;Pollicipedidae;Pollicipes;Pollicipes pollicipes
 UdeM00000011913 1735272 139.4 UdeM00000011913 XP_041367314.1 53.3
 122 57 0 5 126 5 126 3.50E-30 139.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000011914 6596 191.4 UdeM00000011914 XP_045167900.1 51.7 172
 81 2 63 232 122 293 1.30E-45 191.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011915 6596 1030 UdeM00000011915 XP_045167900.1 51.9 1177
 424 24 17 1149 293 1371 2.30E-297 1030 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011916 6596 574.3 UdeM00000011916 XP_045170464.1 65 420
 147 0 1 420 1 420 1.30E-160 574.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011917 6573 246.1 UdeM00000011917 XP_021369928.1 36.6 454
 264 9 176 621 421 858 1.20E-61 246.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011918 6596 218.4 UdeM00000011918 XP_045168839.1 35.4 398
 216 11 225 614 20 384 2.90E-53 218.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011919 6596 219.5 UdeM00000011919 XP_045168839.1 35.1 396
 218 9 256 644 20 383 1.40E-53 219.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011920 29159 141.4 UdeM00000011920 XP_034317111.1 61.1 108
 42 0 1 108 110 217 7.30E-31 141.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011921 7962 66.2 UdeM00000011921 XP_042616783.1 40.5 111
 57 3 32 142 492 593 3.90E-08 66.2 7962 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 idei;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio
 UdeM00000011922 7719 68.2 UdeM00000011922 NP_001122373.1 56 50
 22 0 1 50 111 160 5.80E-09 68.2 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
 intestinalis
 UdeM00000011923 6596 193.7 UdeM00000011923 XP_045168839.1 37.2 301
 170 7 343 633 22 313 8.50E-46 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011924 6596 157.1 UdeM00000011924 XP_045168839.1 40.5 210
 117 4 16 217 104 313 4.10E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011925 6596 207.2 UdeM00000011925 XP_045168839.1 40.5 289
 159 6 373 654 20 302 6.30E-50 207.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011926 6596 213.8 UdeM00000011926 XP_045168839.1 34.3 397
 221 9 373 762 20 383 8.80E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000011927 6573 103.6 UdeM00000011927 XP_021352044.1 72.3 65
 18 0 10 74 156 220 1.10E-19 103.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000011928 6579 180.6 UdeM00000011928 XP_033731739.1 51.9 154
 74 0 1 154 225 378 1.50E-42 180.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000011930 6596 185.3 UdeM00000011930 XP_045168839.1 35.8 296
 175 7 320 608 28 315 2.60E-43 185.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011931 6596 398.7 UdeM00000011931 XP_045168314.1 65 274
 96 0 14 287 12 285 6.50E-108 398.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011932 6573 337 UdeM00000011932 XP_021355667.1 68.3 249
 77 2 12 258 19 267 2.10E-89 337 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020771 6579 127.1 UdeM00000020771 XP_033738432.1 69.9 146
 44 0 1 146 1 146 3.90E-26 127.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020772 6596 808.9 UdeM00000020772 XP_045158051.1 46.7 1419
 568 39 1 1304 1 1345 9.30E-231 808.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020773 6596 261.2 UdeM00000020773 XP_045156978.1 45.9 296
 131 3 34 312 63 346 1.70E-66 261.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020775 29159 115.5 UdeM00000020775 XP_034312519.1 52.5 139
 55 3 11 139 188 325 5.50E-23 115.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020777 6573 154.5 UdeM00000020777 XP_021373453.1 64.5 110
 39 0 1 110 55 164 8.10E-35 154.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020778 6596 283.5 UdeM00000020778 XP_045188742.1 27.4 864
 283 15 159 679 85 947 7.10E-73 283.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020779 6596 250.8 UdeM00000020779 XP_045157787.1 62 250
 90 2 566 815 187 431 6.10E-63 250.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020780 6596 617.8 UdeM00000020780 XP_045159751.1 60.1 469
 177 4 1017 1482 261 722 4.00E-173 617.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020781 6573 149.8 UdeM00000020781 XP_021376748.1 68.8 93
 29 0 5 97 173 265 1.30E-32 149.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020782 6596 74.3 UdeM00000020782 XP_045159748.1 67.2 58
 18 1 1 58 69 125 2.00E-10 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020783 6596 722.6 UdeM00000020783 XP_045157935.1 66.3 534
 167 6 17 538 20 552 3.60E-205 722.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020784 6579 223 UdeM00000020784 XP_033738253.1 32.6 513
 216 10 1 489 112 518 8.90E-55 223 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020785 6596 432.6 UdeM00000020785 XP_045158698.1 52.9 367
 173 0 1 367 1 367 5.10E-118 432.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020786 6596 266.5 UdeM00000020786 XP_045158990.1 51.7 302
 132 4 68 355 35 336 4.70E-68 266.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020787 6596 786.6 UdeM00000020787 XP_045158989.1 88.6 439
 50 0 1 439 15 453 1.70E-224 786.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020788 6579 266.2 UdeM00000020788 XP_033738260.1 60.7 173
68 0 28 200 38 210 4.90E-68 266.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020789 1735272 188.3 UdeM00000020789 XP_041356067.1 31.9
373 239 5 27 392 618 982 3.40E-44 188.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020790 6596 263.5 UdeM00000020790 XP_045157079.1 54.8 208
93 1 19 226 23 229 2.50E-67 263.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020791 29159 64.7 UdeM00000020791 XP_011428032.2 66 47
16 0 1 47 1 47 9.90E-08 64.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020792 6565 746.9 UdeM00000020792 XP_022313939.1 70.6 494
145 0 1 494 1 494 1.70E-212 746.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020793 6565 736.5 UdeM00000020793 XP_022313939.1 71.1 494
143 0 1 494 1 494 2.20E-209 736.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020794 6596 127.1 UdeM00000020794 XP_045189072.1 37 211
78 2 17 172 248 458 2.20E-26 127.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020795 6596 367.1 UdeM00000020795 XP_045189070.1 39.1 557
248 8 2 547 1 477 4.00E-98 367.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020796 6596 2328.5 UdeM00000020796 XP_045160832.1 52.1
2166 932 28 100 2250 139 2214 0.00E+00 2328.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020797 7574 295.4 UdeM00000020797 XP_013396672.1 95.9 148
 6 0 1 148 1 148 4.00E-77 295.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000020799 1735272 440.7 UdeM00000020799 XP_041358017.1 77.9
 258 57 0 1 258 1 258 1.50E-120 440.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020798 1735272 490.3 UdeM00000020798 XP_041358017.1 73.4
 305 81 0 1 305 1 305 1.70E-135 490.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020800 1735272 891.7 UdeM00000020800 XP_041359156.1 52.8
 862 370 16 6 843 11 859 7.10E-256 891.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020801 6596 125.2 UdeM00000020801 XP_045159577.1 50.4 119
 59 0 11 129 12 130 6.30E-26 125.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020803 7957 86.7 UdeM00000020803 XP_026093557.1 71.9 57
 16 0 3 59 5 61 1.20E-14 86.7 7957 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Cyprininae;Carassius;Carassius auratus
 UdeM00000020802 400727 137.5 UdeM00000020802 XP_025110867.1 69
 100 31 0 3 102 4 103 9.50E-30 137.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000020804 6573 364.4 UdeM00000020804 XP_021362539.1 53.6 306
 138 1 1 302 1 306 2.00E-97 364.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020805 6579 175.6 UdeM00000020805 XP_033737166.1 58.9 124
 51 0 1 124 6 129 3.80E-41 175.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020806 6596 589.7 UdeM00000020806 XP_045158771.1 67 424
 133 2 20 443 1 417 3.10E-165 589.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020810 6596 196.8 UdeM00000020810 XP_045158767.1 59.6 156
 57 2 1 152 1 154 2.00E-47 196.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020809 6579 441.4 UdeM00000020809 XP_033737559.1 50 504
 218 12 1 484 1 490 1.50E-120 441.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020811 6579 260.4 UdeM00000020811 XP_033737559.1 46.9 343
 159 8 10 343 162 490 3.30E-66 260.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020812 6596 233.4 UdeM00000020812 XP_045158763.1 40.8 360
 189 9 9 354 15 364 4.70E-58 233.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020813 6596 757.7 UdeM00000020813 XP_045158762.1 60 582
 226 3 8 583 7 587 1.10E-215 757.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020814 6565 106.3 UdeM00000020814 XP_022318278.1 38.9 180
 71 5 7 173 29 182 5.40E-20 106.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020815 400727 89.7 UdeM00000020815 XP_025100004.1 30.7
 228 138 8 3 218 220 439 5.00E-15 89.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000020819 1735272 108.6 UdeM00000020819 XP_041361861.1 30.8
 214 53 2 1 119 1 214 5.50E-21 108.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020820 8078 335.5 UdeM00000020820 XP_035994673.1 56.7 284
 120 1 12 295 104 384 6.90E-89 335.5 8078 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus

heteroclitus

UdeM00000020821 7998 73.2 UdeM00000020821 XP_017325546.1 45.2 62
34 0 2 63 28 89 1.50E-10 73.2 7998 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluridae;Ictaluridae;Ictalurus;Ictalurus punctatus

UdeM00000020822 6596 88.6 UdeM00000020822 XP_045209241.1 31.4 185
112 8 41 215 334 513 1.90E-14 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020823 6579 423.3 UdeM00000020823 XP_033738240.1 63.4 347
117 3 1 337 1 347 2.90E-115 423.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020824 29159 67 UdeM00000020824 XP_034313077.1 55.7 61
26 1 15 74 156 216 1.90E-08 67 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020828 6596 600.5 UdeM00000020828 XP_045158525.1 51 600
262 5 82 658 57 647 2.60E-168 600.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020829 6596 600.5 UdeM00000020829 XP_045158525.1 51 600
262 5 95 671 57 647 2.60E-168 600.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020830 6596 2163.3 UdeM00000020830 XP_045160471.1 62.3
1748 631 10 1 1737 99 1829 0.00E+00 2163.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020831 1735272 141 UdeM00000020831 XP_041357221.1 79.8
89 18 0 2 90 6 94 8.20E-31 141 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020832 6596 483.4 UdeM00000020832 XP_045159329.1 48.1 551
 273 7 1 547 1 542 3.80E-133 483.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020833 6596 148.7 UdeM00000020833 XP_045158176.1 47.5 198
 92 6 1 188 1 196 7.60E-33 148.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020834 6596 220.7 UdeM00000020834 XP_045160287.1 29.6 678
 392 26 39 659 35 684 9.50E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020835 6596 579.3 UdeM00000020835 XP_045157885.1 61.4 578
 153 11 25 542 1 568 5.10E-162 579.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020836 6596 580.9 UdeM00000020836 XP_045157885.1 61.6 578
 152 11 1 518 1 568 1.70E-162 580.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020837 6596 1122.8 UdeM00000020837 XP_045157884.1 68.8
 850 231 13 4 831 8 845 0.00E+00 1122.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020838 6596 119 UdeM00000020838 XP_045157573.1 40.4 141
 77 1 14 147 5 145 5.70E-24 119 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020839 6596 394 UdeM00000020839 XP_045159794.1 67.1 246
 79 1 7 252 18 261 1.40E-106 394 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020840 1437191 131 UdeM00000020840 XP_029054816.1 45.3
 128 69 1 1 127 335 462 1.10E-27 131 1437191
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia bicornis;Osmia bicornis bicornis

UdeM00000020841 225164 416 UdeM00000020841 XP_009061055.1 70
280 80 1 1 280 1 276 3.80E-113 416 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000020842 6596 790.8 UdeM00000020842 XP_045160957.1 52.7 792
297 4 18 732 58 848 1.60E-225 790.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020843 6596 196.4 UdeM00000020843 XP_045157929.1 51.7 174
84 0 1 174 1 174 2.90E-47 196.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020845 6573 380.9 UdeM00000020845 XP_021351248.1 34.5 731
386 22 1 663 1 706 3.40E-102 380.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020847 6596 259.6 UdeM00000020847 XP_045160209.1 38.3 379
199 3 78 422 1160 1537 6.90E-66 259.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020848 1735272 105.5 UdeM00000020848 XP_041357255.1 49.5
95 48 0 20 114 23 117 4.50E-20 105.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020849 400727 462.2 UdeM00000020849 XP_025108889.1 63.8
362 129 2 23 384 14 373 6.50E-127 462.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000020850 6579 972.2 UdeM00000020850 XP_033736963.1 64.4 846
210 15 1 831 1 770 4.10E-280 972.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020851 6579 1029.6 UdeM00000020851 XP_033736960.1 66.6
854 199 14 1 848 1 774 2.20E-297 1029.6 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000020852 6579 965.7 UdeM00000020852 XP_033736962.1 63.8 846
213 14 1 828 1 771 3.80E-278 965.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000020854 6565 123.2 UdeM00000020854 XP_022287605.1 29.2 295
149 9 5 258 102 377 8.60E-25 123.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000020855 6579 641.3 UdeM00000020855 XP_033732430.1 45.5 708
368 11 52 748 95 795 1.50E-180 641.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000020856 6596 582.8 UdeM00000020856 XP_045161036.1 51.6 580
248 3 1 579 1 548 4.80E-163 582.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000020857 37653 261.5 UdeM00000020857 XP_014772392.1 81.7 153
25 2 4 154 1 152 6.60E-67 261.5 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000020860 6596 297.7 UdeM00000020860 XP_045160612.1 50.1 359
142 13 4 358 590 915 1.90E-77 297.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000020861 400682 74.3 UdeM00000020861 XP_019852302.1 36.9
141 73 5 15 139 71 211 1.30E-10 74.3 400682
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Porifera; Demospongiae; Heteroscleromorpha; Haplosclerida; Niphatidae; Amphimedon; Amphimedon queenslandica
UdeM00000020862 6565 196.8 UdeM00000020862 XP_022314289.1 67.1 140
45 1 1 140 1 139 1.80E-47 196.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000020863 46514 91.7 UdeM00000020863 XP_038075667.1 32.7 168
97 3 2 162 340 498 2.80E-15 91.7 46514 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; Asterinidae; Patiria; Patiria miniata
UdeM00000020864 6573 852.4 UdeM00000020864 XP_021364536.1 94.1 423
25 0 1 423 1 423 3.00E-244 852.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000020865 6596 286.6 UdeM00000020865 XP_045161037.1 50.6 261
 126 3 1 259 92 351 3.70E-74 286.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020866 6596 1063.1 UdeM00000020866 XP_045161037.1 45.2
 1196 489 14 9 1170 410 1473 2.80E-307 1063.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020867 64793 60.1 UdeM00000020867 XP_011690608.1 35 100
 58 1 260 359 1965 2057 6.80E-06 60.1 64793 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Formicoidea;Formicidae;Myrmicinae;Blepharidattini;Wasmannia;Wasmanni
 a auropunctata
 UdeM00000020868 6596 90.5 UdeM00000020868 XP_045161037.1 40.7 216
 106 6 14 208 1484 1698 2.70E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020869 6596 95.9 UdeM00000020869 XP_045161037.1 43.2 213
 99 7 1 192 1487 1698 6.00E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020871 6596 1810.8 UdeM00000020871 XP_045160616.1 65.1
 2017 590 15 1 1958 1 1963 0.00E+00 1810.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020872 6579 812 UdeM00000020872 XP_033737645.1 69.3 615
 189 0 1 615 1 615 5.90E-232 812 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020873 6596 639.4 UdeM00000020873 XP_045160603.1 53.6 642
 253 8 1 614 7 631 4.60E-180 639.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020874 1735272 2157.5 UdeM00000020874 XP_041357905.1
 74.7 1401 335 6 2 1397 3 1388 0.00E+00 2157.5
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000020875 1735272 2167.5 UdeM00000020875 XP_041357905.1
75.3 1389 335 5 2 1385 3 1388 0.00E+00 2167.5
1735272 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000020876 6565 730.7 UdeM00000020876 XP_022318292.1 81.4 429
79 1 1 429 510 937 1.10E-207 730.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000020877 210409 238 UdeM00000020877 XP_045137492.1 51.5
202 98 0 4 205 102 303 1.00E-59 238 210409
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Malacostraca; Eumalacostraca; Eucarida; Decapoda; Pleocyemata; Brachyura; Eubranchyura; Heterotremata; Portunoidea; Portunidae; Portunus; Portunus trituberculatus
UdeM00000020878 29159 452.6 UdeM00000020878 XP_034312499.1 54.4 399
176 3 97 493 512 906 6.40E-124 452.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000020879 343691 163.3 UdeM00000020879 XP_037904525.1 22
1010 624 40 24 968 818 1728 1.60E-36 163.3 343691
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Stratiomyomorpha; Stratiomyidae; Hermetiinae; Hermetia; Hermetia illucens
UdeM00000020881 1735272 88.6 UdeM00000020881 XP_041351736.1 38
100 62 0 2 101 97 196 9.40E-15 88.6 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000020882 37653 659.8 UdeM00000020882 XP_014784610.1 74.6 418
99 3 1 413 1 416 2.20E-186 659.8 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000020883 6596 882.5 UdeM00000020883 XP_045159991.1 76.7 562
126 1 3 559 2 563 2.90E-253 882.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000020884 6596 131.7 UdeM00000020884 XP_045159860.1 53.6 125
58 0 1 125 59 183 1.40E-27 131.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020888 7741 127.1 UdeM00000020888 XP_019614946.1 28.8 392
 226 18 26 374 274 655 9.50E-26 127.1 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
 UdeM00000020889 7224 73.2 UdeM00000020889 XP_023170157.2 36.1 108
 65 3 1230 1336 596 700 2.90E-09 73.2 7224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Ephydroidea;Drosophilidae;Drosophilinae;Drosophilini;Drosophila;Drosophila;repleta group;hydei subgroup;Drosophila hydei
 UdeM00000020890 7240 80.1 UdeM00000020890 XP_016031520.1 22.9 468
 290 17 10 445 189 617 7.90E-12 80.1 7240 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Ephydroidea;Drosophilidae;Drosophilinae;Drosophilini;Drosophila;Sophophora;melanogaster group;melanogaster subgroup;Drosophila simulans
 UdeM00000020891 6596 385.6 UdeM00000020891 XP_045160658.1 52 352
 165 3 3 352 5 354 7.00E-104 385.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020895 6565 235 UdeM00000020895 XP_022288562.1 58.8 187
 76 1 1 186 1 187 9.20E-59 235 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020896 7739 462.2 UdeM00000020896 XP_035699340.1 75.4 281
 69 0 1 281 1 281 4.60E-127 462.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
 UdeM00000020897 1735272 296.2 UdeM00000020897 XP_041360299.1 27.2
 1974 1098 46 3 1688 2 1923 2.60E-76 296.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020898 37653 668.7 UdeM00000020898 XP_014784610.1 75.4 418
 96 3 1 413 1 416 4.80E-189 668.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000020900 29159 306.2 UdeM00000020900 XP_034317111.1 54.4 283
 128 1 2 283 171 453 4.40E-80 306.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000020901 37653 640.2 UdeM00000020901 XP_014784610.1 73.1 412
104 3 1 406 1 411 1.80E-180 640.2 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct
opoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000020902 37653 649 UdeM00000020902 XP_014784610.1 73.4 417
107 2 1 414 1 416 3.90E-183 649 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct
opoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000020903 36176 171.4 UdeM00000020903 XP_043532984.1 70.4 108
32 0 1 108 1 108 6.30E-40 171.4 36176 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Chondrichthyes; Elasmobranchi
i; Selachii; Galeomorphii; Galeoidea; Orectolobiformes; Hemiscylliidae; Chilosc
yllium; Chiloscyllium plagiosum
UdeM00000020904 6565 471.9 UdeM00000020904 XP_022313987.1 36.6 650
399 5 1 642 23 667 1.30E-129 471.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000020905 48498 243 UdeM00000020905 XP_020613056.1 33.8 390
178 4 47 362 31 414 6.40E-61 243 48498 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Scleractinia; Faviina; Merulinidae; Orbicella; Orbicella faveolata
UdeM00000020906 6573 302.8 UdeM00000020906 XP_021376931.1 46.6 350
163 6 1 349 1 327 6.10E-79 302.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000020907 6579 317.8 UdeM00000020907 XP_033737652.1 49.1 346
146 7 24 365 24 343 1.80E-83 317.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000020908 6596 1264.6 UdeM00000020908 XP_045159646.1 71.6
890 224 7 1 888 1 863 0.00E+00 1264.6 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000020909 1735272 448.4 UdeM00000020909 XP_041359608.1 74.6
284 72 0 1 284 1 284 7.00E-123 448.4 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000020910 45264 337 UdeM00000020910 XP_044165143.1 61.4 264
99 3 2 262 210 473 2.20E-89 337 45264 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000020911 29159 82.4 UdeM00000020911 XP_034317004.1 42.1 121
51 4 3 108 216 332 3.90E-13 82.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000020912 6596 159.8 UdeM00000020912 XP_045159651.1 85.5 83
12 0 1 83 1 83 1.50E-36 159.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020913 6596 508.8 UdeM00000020913 XP_045159482.1 86.4 301
41 0 1 301 1 301 5.00E-141 508.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020914 6596 177.9 UdeM00000020914 XP_045159067.1 35.7 347
84 8 2 209 46 392 1.30E-41 177.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020915 29159 686.8 UdeM00000020915 XP_011418526.2 81.3 418
76 2 19 434 21 438 1.80E-194 686.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000020916 6596 193 UdeM00000020916 XP_045160262.1 47.9 211
101 3 2 209 5 209 3.90E-46 193 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020917 6573 321.6 UdeM00000020917 XP_021359799.1 74.7 198
49 1 17 214 15 211 7.50E-85 321.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020918 6565 176 UdeM00000020918 XP_022303441.1 30.2 463
266 10 1 417 1 452 9.80E-41 176 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000020920 151771 189.5 UdeM00000020920 XP_028406951.1 34.6
341 190 7 3 316 148 482 6.50E-45 189.5 151771
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea
UdeM00000020921 6573 375.9 UdeM00000020921 XP_021359794.1 53.1 356
152 6 6 352 9 358 5.50E-101 375.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020922 6579 421 UdeM00000020922 XP_033736678.1 69.9 276
83 0 3 278 2 277 1.20E-114 421 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020924 6573 187.2 UdeM00000020924 XP_021350780.1 56.5 154
67 0 7 160 4 157 1.90E-44 187.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020923 6573 187.2 UdeM00000020923 XP_021350780.1 56.5 154
67 0 7 160 4 157 1.80E-44 187.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020925 6579 421 UdeM00000020925 XP_033736678.1 69.9 276
83 0 3 278 2 277 1.20E-114 421 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020926 6579 1786.2 UdeM00000020926 XP_033736783.1 54.9
1729 734 20 7 1719 4 1703 0.00E+00 1786.2 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020927 6596 275.8 UdeM00000020927 XP_045196620.1 67.5 200
65 0 1 200 788 987 4.40E-71 275.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020928 1529436 138.3 UdeM00000020928 XP_033108240.1 35.6
216 130 4 45 258 164 372 1.90E-29 138.3 1529436
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica
UdeM00000020929 6565 96.7 UdeM00000020929 XP_022310564.1 31.3 198
116 10 19 209 60 244 3.80E-17 96.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000020930 6596 155.2 UdeM00000020930 XP_045157785.1 35.6 267
164 6 450 712 530 792 3.10E-34 155.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020931 6596 456.1 UdeM00000020931 XP_045158465.1 71.2 313
87 2 1 310 113 425 3.70E-125 456.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020932 6565 99 UdeM00000020932 XP_022316337.1 76.2 63
15 0 30 92 21 83 4.60E-18 99 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020933 6596 488 UdeM00000020933 XP_045159549.1 62.4 346
129 1 21 365 30 375 1.00E-134 488 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020934 1735272 397.1 UdeM00000020934 XP_041359542.1 61.9
286 106 1 7 289 23 308 2.20E-107 397.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020935 6596 141.7 UdeM00000020935 XP_045157846.1 54.7 106
48 0 1 106 1 106 5.30E-31 141.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020936 6596 367.5 UdeM00000020936 XP_045159088.1 92.1 191
15 0 1 191 1 191 1.10E-98 367.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020937 6573 433.7 UdeM00000020937 XP_021356240.1 66 303
100 3 1 302 2 302 1.90E-118 433.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020938 1735272 671.4 UdeM00000020938 XP_041359883.1 81.9
371 66 1 1 371 1 370 6.60E-190 671.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020939 27405 80.1 UdeM00000020939 XP_042880355.1 35 140
76 6 14 152 32 157 2.80E-12 80.1 27405 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiata;Penaeoidea;Penaeidae;Penaeus;Penaeus japonicus

UdeM00000020940 6596 216.5 UdeM00000020940 XP_045216699.1 67.3 153
50 0 29 181 4 156 1.30E-52 216.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020942 6596 211.1 UdeM00000020942 XP_045198456.1 70.2 131
 39 0 35 165 14 144 1.60E-51 211.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020941 6596 224.6 UdeM00000020941 XP_045198456.1 68.5 143
 45 0 3 145 2 144 1.30E-55 224.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020943 6596 324.7 UdeM00000020943 XP_045157478.1 32 881
 480 18 1 784 1 859 3.20E-85 324.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020944 6596 994.6 UdeM00000020944 XP_045159087.1 74.1 611
 158 0 9 619 4 614 5.70E-287 994.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020945 6596 92.4 UdeM00000020945 XP_045160701.1 36.1 144
 92 0 37 180 71 214 6.40E-16 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020946 6579 288.1 UdeM00000020946 XP_033752276.1 48.1 312
 151 7 100 404 11 318 1.70E-74 288.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020947 6596 169.5 UdeM00000020947 XP_045160701.1 33.4 326
 208 4 31 355 65 382 9.30E-39 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033729 6573 198 UdeM00000033729 XP_021343768.1 60.6 142
 56 0 1 142 47 188 8.80E-48 198 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033730 6596 321.6 UdeM00000033730 XP_045160324.1 77.3 194
 44 0 1 194 1 194 6.80E-85 321.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033731 6596 192.2 UdeM00000033731 XP_045160917.1 53.2 188
 59 3 102 289 149 307 9.20E-46 192.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033734 6573 1006.5 UdeM00000033734 XP_021379776.1 64.4
 745 246 11 1 741 76 805 2.10E-290 1006.5 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033732 6573 1007.3 UdeM00000033732 XP_021379776.1 64
 752 248 11 1 748 73 805 1.30E-290 1007.3 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033733 6596 1020 UdeM00000033733 XP_045160298.1 64.4 763
 248 10 7 759 97 845 1.90E-294 1020 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033735 6596 78.2 UdeM00000033735 XP_045159064.1 42.7 96
 55 0 16 111 44 139 1.80E-11 78.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033736 6596 171.4 UdeM00000033736 XP_045160701.1 33.8 320
 203 4 37 355 71 382 2.40E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043195 6596 181.8 UdeM00000043195 XP_045177779.1 38.9 247
 145 3 130 374 398 640 2.20E-42 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043196 6706 148.7 UdeM00000043196 XP_042235765.1 44.9 158
 86 1 1 158 1 157 6.50E-33 148.7 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000043197 6596 114 UdeM00000043197 XP_045189229.1 47.5 120
 60 1 124 240 156 275 3.50E-22 114 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043198 6596 105.5 UdeM00000043198 XP_045177782.1 61.5 78
 30 0 9 86 83 160 3.50E-20 105.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043199 29159 150.2 UdeM00000043199 XP_034318217.1 55.8 120
 52 1 1 119 755 874 1.70E-33 150.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043200 6596 103.6 UdeM00000043200 XP_045216906.1 34.5 171
 68 2 1 127 1 171 2.00E-19 103.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043202 441366 279.3 UdeM00000043202 XP_028309531.1 63.3
 199 72 1 3 201 252 449 4.00E-72 279.3 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi

UdeM00000043203 441366 218.4 UdeM00000043203 XP_028318216.1 62.4
 149 55 1 1 149 158 305 6.20E-54 218.4 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi

UdeM00000043204 441366 184.5 UdeM00000043204 XP_028309531.1 67.2
 122 39 1 1 121 218 339 8.10E-44 184.5 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi

UdeM00000043205 6596 318.5 UdeM00000043205 XP_045189084.1 33.8 618
 312 11 1 606 1350 1882 2.40E-83 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043206 1735272 70.5 UdeM00000043206 XP_041375784.1 33.6
 110 72 1 3 111 313 422 2.00E-09 70.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043207 6596 60.8 UdeM00000043207 XP_045194157.1 33.7 104
 68 1 2 105 56 158 2.40E-06 60.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043208 7574 129.8 UdeM00000043208 XP_013408959.1 67 88
 29 0 40 127 8 95 2.90E-27 129.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000043209 6596 476.1 UdeM00000043209 XP_045181294.1 64.6 373
 131 1 15 386 559 931 4.40E-131 476.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043210 6596 339 UdeM00000043210 XP_045177776.1 32.6 706
 284 11 1 688 405 936 1.90E-89 339 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031046 6596 246.1 UdeM00000031046 XP_045174332.1 36.6 388
 233 6 27 404 154 538 1.20E-61 246.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031047 6596 68.6 UdeM00000031047 XP_045174332.1 39.5 86
 52 0 11 96 515 600 6.00E-09 68.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031051 6579 251.1 UdeM00000031051 XP_033731739.1 58.6 191
 79 0 1 191 188 378 1.10E-63 251.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031050 6579 390.2 UdeM00000031050 XP_033731739.1 61.4 280
 108 0 1 280 99 378 2.20E-105 390.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031053 6596 247.3 UdeM00000031053 XP_045174332.1 36.8 391
 228 6 27 404 154 538 3.50E-62 247.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031052 6596 290 UdeM00000031052 XP_045174332.1 36.9 453
267 6 27 466 154 600 5.40E-75 290 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031054 6596 68.9 UdeM00000031054 XP_045208792.1 35.9 145
85 3 1 139 1 143 1.30E-08 68.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031055 6596 120.2 UdeM00000031055 XP_045165680.1 49.6 117
57 2 4 118 15 131 1.80E-24 120.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031056 6565 135.2 UdeM00000031056 XP_022302017.1 52.1 121
54 3 1 120 1 118 5.70E-29 135.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031057 1735272 418.7 UdeM00000031057 XP_041350204.1 46.4
550 246 13 31 545 24 559 1.10E-113 418.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031058 6573 657.5 UdeM00000031058 XP_021370346.1 60 602
174 7 1 598 1 539 1.60E-185 657.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031059 6596 218.4 UdeM00000031059 XP_045164288.1 52.2 485
151 9 2 407 3 485 1.70E-53 218.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031060 1735272 73.2 UdeM00000031060 XP_041367923.1 54.7
64 29 0 3 66 157 220 1.80E-10 73.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031062 6596 133.7 UdeM00000031062 XP_045164946.1 43.3 164
89 3 16 177 11 172 3.70E-28 133.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031063 6573 70.5 UdeM00000031063 XP_021367610.1 47.1 153
71 4 2 146 123 273 2.10E-09 70.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031064 6596 223 UdeM00000031064 XP_045166951.1 53.9 232
96 2 140 371 208 428 6.50E-55 223 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031065 6573 139 UdeM00000031065 XP_021346482.1 64 114
40 1 8 120 245 358 4.60E-30 139 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031066 29159 94.7 UdeM00000031066 XP_011428998.1 79.6 54
11 0 20 73 6 59 7.10E-17 94.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031067 6596 558.5 UdeM00000031067 XP_045165652.1 47.4 658
304 10 59 694 115 752 1.20E-155 558.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031068 1735272 126.3 UdeM00000031068 XP_041378637.1 44.1
143 77 2 1 142 1 141 3.30E-26 126.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031069 6596 320.5 UdeM00000031069 XP_045164650.1 68.6 220
67 1 3 220 1 220 1.70E-84 320.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031070 6565 65.5 UdeM00000031070 XP_022343600.1 24.4 209
138 8 9 199 35 241 1.10E-07 65.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031072 218467 232.6 UdeM00000031072 XP_023212519.1 55.6
216 95 1 1 216 1 215 5.10E-58 232.6 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000031074 6596 81.6 UdeM00000031074 XP_045165271.1 26.4 273
167 8 9 250 10 279 1.60E-12 81.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031075 225164 86.3 UdeM00000031075 XP_009051287.1 45.1
102 56 0 2 103 184 285 8.80E-14 86.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000031076 6573 70.9 UdeM00000031076 XP_021370966.1 28.8 153
97 3 146 287 70 221 3.10E-09 70.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031077 6596 138.7 UdeM00000031077 XP_045165271.1 33.8 293
164 8 20 294 13 293 1.50E-29 138.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031078 6596 138.7 UdeM00000031078 XP_045165271.1 33.8 293
164 8 40 314 13 293 1.60E-29 138.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031080 6596 482.6 UdeM00000031080 XP_045166371.1 57.8 446
153 13 1 434 8 430 5.10E-133 482.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031081 6573 415.2 UdeM00000031081 XP_021363304.1 52.4 534
230 8 207 738 376 887 1.90E-112 415.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031082 6573 415.2 UdeM00000031082 XP_021363304.1 52.4 534
230 8 206 737 376 887 1.90E-112 415.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031083 6573 410.2 UdeM00000031083 XP_021363304.1 52.2 536
230 9 207 740 376 887 6.30E-111 410.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031085 6596 129.8 UdeM00000031085 XP_045166153.1 53.2 126
53 2 3 122 18 143 2.90E-27 129.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031086 2607531 399.8 UdeM00000031086 XP_029635812.1 55.9
 365 145 7 12 369 20 375 3.80E-108 399.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000031089 6573 129.8 UdeM00000031089 XP_021362496.1 73.8 80
 19 1 1 80 1 78 2.20E-27 129.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031091 6579 322.8 UdeM00000031091 XP_033745114.1 52.1 305
 142 3 79 379 52 356 5.90E-85 322.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031093 6596 302 UdeM00000031093 XP_045165146.1 48.7 353
 159 9 262 598 263 609 1.70E-78 302 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031094 400727 309.7 UdeM00000031094 XP_025108752.1 89.8
 166 17 0 1 166 1 166 2.80E-81 309.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000031096 6573 752.3 UdeM00000031096 XP_021342854.1 59.3 829
 293 8 1 820 1 794 6.50E-214 752.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031099 6596 154.5 UdeM00000031099 XP_045166217.1 35.4 263
 157 8 7 261 1 258 1.90E-34 154.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031100 6596 131 UdeM00000031100 XP_045166218.1 53.4 131
 58 3 6 136 2 129 1.20E-27 131 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031101 6573 141.7 UdeM00000031101 XP_021343346.1 30.4 253
 164 5 63 308 90 337 1.60E-30 141.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031102 6596 81.6 UdeM00000031102 XP_045167147.1 28.1 349
 177 9 4 346 184 464 2.20E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000031103 6596 274.2 UdeM00000031103 XP_045165279.1 71.8 170
 48 0 1 170 1 170 1.10E-70 274.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000031104 6596 273.9 UdeM00000031104 XP_045165279.1 71.8 170
 48 0 17 186 1 170 1.50E-70 273.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000031105 400727 439.1 UdeM00000031105 XP_025106179.1 47.4
 420 197 8 13 424 28 431 6.40E-120 439.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000031106 6596 272.7 UdeM00000031106 XP_045164871.1 45.7 276
 144 4 37 311 423 693 6.10E-70 272.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000031107 1735272 302.8 UdeM00000031107 XP_041348505.1 50
 276 126 4 2 274 730 996 4.60E-79 302.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031109 118141 202.2 UdeM00000031109 XP_036390142.1 49.5
 210 104 2 1 210 19 226 6.90E-49 202.2 118141
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;Elopocephala;Elopocephala;Elopocephala
 UdeM00000031108 6573 266.5 UdeM00000031108 XP_021360335.1 41.2 323
 187 2 71 393 10 329 5.40E-68 266.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031110 37653 81.6 UdeM00000031110 XP_014783345.1 44.3 106
 55 2 34 136 40 144 8.50E-13 81.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000031112 6573 1637.5 UdeM00000031112 XP_021364147.1 54.5
 1644 595 31 1 1620 1 1515 0.00E+00 1637.5 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000031113 6573 1644 UdeM00000031113 XP_021364147.1 54.7 1639
595 30 1 1615 1 1515 0.00E+00 1644 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000031114 6596 132.5 UdeM00000031114 XP_045164421.1 76.3 76
18 0 1 76 1 76 2.60E-28 132.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000031115 6596 257.3 UdeM00000031115 XP_045164421.1 49.7 294
144 2 1 294 1 290 2.40E-65 257.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000031116 218467 160.2 UdeM00000031116 XP_023218812.1 40.1
217 125 4 35 247 769 984 3.70E-36 160.2 218467
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Scorpiones; Buthida; Buthoidea; Buthidae; Centruroides; Centruroides sculpturatus
UdeM00000031117 7654 562 UdeM00000031117 XP_041470181.1 50 572
240 8 135 706 129 654 1.50E-156 562 7654 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea; Temnopleuroidea; Toxopneustidae; Lytechinus; Lytechinus variegatus
UdeM00000031118 6573 459.9 UdeM00000031118 XP_021351979.1 50.6 1040
416 21 1 965 1 1017 1.60E-125 459.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000031119 6573 459.9 UdeM00000031119 XP_021351979.1 50.6 1040
416 21 1 965 1 1017 1.60E-125 459.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000031121 29159 600.5 UdeM00000031121 XP_034305609.1 57.1 494
207 1 1 494 1 489 1.90E-168 600.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000031122 6500 157.5 UdeM00000031122 XP_005092264.1 54.2 168
58 3 1 167 1 150 1.50E-35 157.5 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica
UdeM00000031124 8407 103.2 UdeM00000031124 XP_040198332.1 50 94
42 2 31 119 181 274 2.30E-19 103.2 8407 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc

opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Ranoidea;Ranidae;Rana;Rana;Rana temporaria
 UdeM00000031125 1735272 222.2 UdeM00000031125 XP_041377704.1 50
 244 114 3 31 268 28 269 7.70E-55 222.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031126 6596 404.4 UdeM00000031126 XP_045165225.1 46.3 561
 279 5 1 557 1 543 2.30E-109 404.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031127 6579 233.8 UdeM00000031127 XP_033744840.1 70.6 153
 45 0 13 165 11 163 1.60E-58 233.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031128 6565 564.7 UdeM00000031128 XP_022298888.1 83.1 308
 52 0 219 526 92 399 1.20E-157 564.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031129 6596 208 UdeM00000031129 XP_045164345.1 68.4 133
 42 0 44 176 26 158 9.90E-51 208 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031130 6596 141.7 UdeM00000031130 XP_045166841.1 44.6 148
 79 2 13 158 11 157 7.90E-31 141.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031131 6579 75.1 UdeM00000031131 XP_033744687.1 32.1 240
 114 8 82 288 84 307 1.90E-10 75.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031132 9669 283.5 UdeM00000031132 XP_012906247.2 90.6 149
 14 0 5 153 3 151 1.70E-73 283.5 9669 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Carnivora;Caniformia;Mustelidae;Mustelinae;
 Mustela;Mustela putorius;Mustela putorius furo
 UdeM00000031133 6573 454.1 UdeM00000031133 XP_021362423.1 62.8 411
 112 10 76 471 98 482 2.30E-124 454.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031134 6596 461.5 UdeM00000031134 XP_045164678.1 57.9 375
 154 3 4 377 54 425 1.10E-126 461.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031135 6596 866.3 UdeM00000031135 XP_045165637.1 93.4 452
 28 2 1 451 1 451 1.70E-248 866.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031136 6596 672.2 UdeM00000031136 XP_045165638.1 54.5 745
 223 15 12 718 34 700 7.50E-190 672.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031137 6579 490 UdeM00000031137 XP_033745660.1 54.2 421
 191 2 1 419 119 539 3.10E-135 490 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031138 6579 719.5 UdeM00000031138 XP_033745660.1 62.3 525
 190 2 39 563 26 542 3.20E-204 719.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031139 6579 637.9 UdeM00000031139 XP_033745660.1 67.7 430
 136 1 15 444 116 542 9.70E-180 637.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031140 6596 261.5 UdeM00000031140 XP_045175042.1 30.5 817
 470 34 17 764 21 808 3.30E-66 261.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031141 6596 235 UdeM00000031141 XP_045175042.1 32.5 631
 355 24 2 580 197 808 2.50E-58 235 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031142 29159 66.6 UdeM00000031142 XP_034307290.1 24.1 291
 194 10 22 286 36 325 1.10E-07 66.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031145 29159 414.5 UdeM00000031145 XP_011444543.1 82.8 238
 41 0 24 261 99 336 1.00E-112 414.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000031146 6565 122.9 UdeM00000031146 XP_022299595.1 74 77
20 0 1 77 1 77 1.80E-25 122.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000031148 6573 378.6 UdeM00000031148 XP_021339985.1 31.7 861
520 18 41 870 60 883 2.10E-101 378.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000031150 6579 386.3 UdeM00000031150 XP_033757991.1 31.9 836
513 18 65 869 74 884 1.00E-103 386.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031151 8496 220.7 UdeM00000031151 XP_014459819.1 48.8 217
95 2 6 221 87 288 1.80E-54 220.7 8496 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Archosauria;Crocodylia;Alligatoridae;Alligatorinae;Alligator;Alli
gator mississippiensis
UdeM00000031152 6579 79.3 UdeM00000031152 XP_033761526.1 53.1 64
30 0 70 133 360 423 4.60E-12 79.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031153 29159 89.4 UdeM00000031153 XP_011426209.1 40.7 91
54 0 1 91 1 91 2.90E-15 89.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000031155 9258 61.6 UdeM00000031155 XP_028934161.1 38.1 97
60 0 1 97 7 103 6.50E-07 61.6 9258 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Prototheria;Mon
otremata;Ornithorhynchidae;Ornithorhynchus;Ornithorhynchus anatinus
UdeM00000031156 6596 238.8 UdeM00000031156 XP_045172655.1 48.9 233
115 2 25 257 22 250 7.60E-60 238.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031157 37621 318.2 UdeM00000031157 XP_014666614.1 52.4 307
105 3 5 281 233 528 1.10E-83 318.2 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000031159 6596 412.9 UdeM00000031159 XP_045156248.1 37.5 626
295 9 4 565 7 600 6.50E-112 412.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031160 29159 79.7 UdeM00000031160 XP_011426209.1 40.7 91
54 0 1 91 1 91 2.50E-12 79.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031161 29159 90.5 UdeM00000031161 XP_011426209.1 44 91
51 0 1 91 1 91 1.30E-15 90.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031162 29159 72.4 UdeM00000031162 XP_034320501.1 36.5 96
57 1 10 105 319 410 4.10E-10 72.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031163 29159 72 UdeM00000031163 XP_034320501.1 36.5 96
57 1 57 152 319 410 7.70E-10 72 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031164 6579 901 UdeM00000031164 XP_033745031.1 83.8 531
83 2 1 531 1 528 7.50E-259 901 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031165 6596 87.8 UdeM00000031165 XP_045165959.1 25.9 274
184 6 14 277 9 273 3.30E-14 87.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euher
odonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031166 6596 77.8 UdeM00000031166 XP_045165959.1 29.4 211
138 4 29 230 11 219 4.70E-11 77.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euher
odonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031167 6573 219.2 UdeM00000031167 XP_021362715.1 37.3 300
188 0 24 323 28 327 8.10E-54 219.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031168 6573 227.3 UdeM00000031168 XP_021362715.1 39.6 280
162 2 1 274 48 326 2.60E-56 227.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031169 6573 229.2 UdeM00000031169 XP_021362715.1 37.7 302
181 2 22 317 26 326 7.80E-57 229.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000031170 6596 71.2 UdeM00000031170 XP_045165959.1 23.5 255
170 5 261 506 7 245 6.60E-09 71.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000031171 6596 64.3 UdeM00000031171 XP_045165959.1 22.4 286
169 11 170 432 11 266 5.00E-07 64.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000031172 6573 254.6 UdeM00000031172 XP_021346943.1 42.5 315
178 2 22 333 41 355 2.00E-64 254.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000031173 6596 585.1 UdeM00000031173 XP_045166697.1 85 314
47 0 1 314 1 314 5.30E-164 585.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000031174 6579 606.7 UdeM00000031174 XP_033745122.1 79.9 374
70 4 1 373 899 1268 2.10E-170 606.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031175 1735272 1426.8 UdeM00000031175 XP_041348327.1
75 1012 103 6 1 1009 1 865 0.00E+00 1426.8
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000031176 6579 3975.2 UdeM00000031176 XP_033746252.1 58
3639 1296 38 1 3508 1 3536 0.00E+00 3975.2 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000031177 7574 102.8 UdeM00000031177 XP_013413001.1 41.3 121
65 2 1 115 32 152 3.00E-19 102.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000044464 6526 111.3 UdeM00000044464 XP_013074346.1 43 149
65 2 1 129 131 279 9.90E-22 111.3 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000044465 118797 172.6 UdeM00000044465 XP_007453495.1 40.1
379 179 4 1 338 1 372 8.80E-40 172.6 118797
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Laurasiatheria;Artiodactyla;Whippomorpha;Cetacea;Odontocet
i;Lipotidae;Lipotes;Lipotes vexillifer

UdeM00000040889 6579 230.3 UdeM00000040889 XP_033756725.1 71.8 142
40 0 1 142 1 142 1.50E-57 230.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040890 6596 457.6 UdeM00000040890 XP_045189666.1 45.9 728
308 21 6 670 32 736 2.70E-125 457.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040891 6596 190.7 UdeM00000040891 XP_045190501.1 44.7 217
119 1 36 252 10 225 2.50E-45 190.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040893 6596 852 UdeM00000040893 XP_045190503.1 60.6 695
245 12 1 678 1 683 5.00E-244 852 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040894 6596 323.6 UdeM00000040894 XP_045189769.1 70.3 212
63 0 3 214 5 216 2.00E-85 323.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040895 6596 340.1 UdeM00000040895 XP_045189769.1 74.2 213
55 0 1 213 5 217 2.00E-90 340.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040897 1735272 357.8 UdeM00000040897 XP_041370285.1 38.1
559 334 6 350 900 2366 2920 4.10E-95 357.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040898 6596 946 UdeM00000040898 XP_045188382.1 32.8 1881
1046 34 164 1859 13 1860 7.00E-272 946 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040899 6565 218 UdeM00000040899 XP_022335825.1 29.5 437
248 7 153 542 364 787 3.00E-53 218 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040900 6596 1060.1 UdeM00000040900 XP_045188379.1 34.8
1903 1012 27 313 2186 697 2400 3.90E-306 1060.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040900 6596 85.5 UdeM00000040900 XP_045188379.1 31.2 234
141 6 36 259 32 255 9.10E-13 85.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040902 6596 270 UdeM00000040902 XP_045190602.1 37.6 380
212 7 373 745 243 604 8.90E-69 270 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040901 6596 270 UdeM00000040901 XP_045190602.1 37.6 380
212 7 415 787 243 604 9.40E-69 270 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040904 6596 273.9 UdeM00000040904 XP_045190602.1 39.8 367
182 9 345 690 256 604 5.70E-70 273.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040905 6579 411.4 UdeM00000040905 XP_033757375.1 59.1 345
126 3 37 381 16 345 1.30E-111 411.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040908 6596 271.2 UdeM00000040908 XP_045192074.1 48.5 301
146 4 20 314 2123 2420 2.80E-69 271.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040909 7719 68.6 UdeM00000040909 XP_009858662.1 39.7 78
47 0 138 215 30 107 1.20E-08 68.6 7719 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
intestinalis

UdeM00000040910 7719 68.6 UdeM00000040910 XP_009858662.1 39.7 78
 47 0 138 215 30 107 1.20E-08 68.6 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
 intestinalis
 UdeM00000040911 151771 418.3 UdeM00000040911 XP_028390790.1 30.4
 902 553 24 133 1005 131 986 3.00E-113 418.3 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000040913 6596 259.2 UdeM00000040913 XP_045170871.1 53.1 239
 100 4 121 356 65 294 7.60E-66 259.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040914 6596 267.7 UdeM00000040914 XP_045170871.1 50.8 258
 115 4 103 357 46 294 2.20E-68 267.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040915 6596 389.8 UdeM00000040915 XP_045189006.1 59 322
 129 2 1 322 1 319 3.40E-105 389.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040916 6596 70.1 UdeM00000040916 XP_045194471.1 34.7 98
 60 2 45 142 48 141 2.60E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040917 225164 89 UdeM00000040917 XP_009062547.1 35.7
 140 82 4 7 141 9 145 5.60E-15 89 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000040918 6579 84.3 UdeM00000040918 XP_033756564.1 38.5 135
 61 2 1 135 1 113 1.30E-13 84.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040919 6596 390.6 UdeM00000040919 XP_045189006.1 56.4 351
 146 4 1 348 1 347 2.30E-105 390.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040920 6596 392.1 UdeM00000040920 XP_045189006.1 57 351
 144 4 1 348 1 347 7.90E-106 392.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040921 6596 413.3 UdeM00000040921 XP_045190806.1 44.5 589
246 10 1 517 1 580 4.50E-112 413.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040922 7574 112.5 UdeM00000040922 XP_013393256.1 50 98
46 1 1 98 1 95 1.90E-21 112.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000040923 6596 927.2 UdeM00000040923 XP_045188124.1 46 1152
496 27 1 1077 1 1101 2.00E-266 927.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040924 6596 117.1 UdeM00000040924 XP_045190306.1 35 217
126 4 24 239 27 229 5.70E-23 117.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040926 6596 292.7 UdeM00000040926 XP_045188124.1 53.4 262
116 4 1 257 108 368 6.20E-76 292.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040928 6596 473.8 UdeM00000040928 XP_045189650.1 68 362
105 6 43 397 53 410 2.20E-130 473.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040929 6596 271.2 UdeM00000040929 XP_045188782.1 47.9 286
139 3 1 286 77 352 1.60E-69 271.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040930 6596 70.9 UdeM00000040930 XP_045190936.1 47.3 74
39 0 76 149 1 74 1.70E-09 70.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040931 6596 476.9 UdeM00000040931 XP_045188775.1 38.8 1040
509 27 1 951 1 1002 6.20E-131 476.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040932 6596 475.3 UdeM00000040932 XP_045188775.1 39.2 1038
541 24 1 984 1 1002 1.90E-130 475.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040933 119488 89.4 UdeM00000040933 XP_044041676.1 39.8
133 74 4 10 142 153 279 6.30E-15 89.4 119488
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Eupercaria;Centrarchiformes;Centrarchoidei;Siniperca;Siniperca chuatsi

UdeM00000040934 7741 101.7 UdeM00000040934 XP_019629791.1 31.6 244
103 8 220 461 133 314 4.10E-18 101.7 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000040935 6579 72 UdeM00000040935 XP_033760751.1 56.1 66
28 1 1 65 61 126 3.30E-10 72 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040936 32391 107.8 UdeM00000040936 XP_044583413.1 33.3 246
138 8 9 250 7 230 5.60E-20 107.8 32391 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Parasitoida;Ichneumonoidea;Braconidae;Microgastrinae;Cotesia;Cotesia glomerata

UdeM00000040937 37653 921 UdeM00000040937 XP_014777272.1 74.3 642
145 1 6 627 4 645 8.10E-265 921 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000040938 6596 68.6 UdeM00000040938 XP_045190602.1 23.9 452
263 17 1 371 1 452 2.00E-08 68.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040939 29159 161.8 UdeM00000040939 XP_034331441.1 33.7 246
151 2 266 507 391 628 2.40E-36 161.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040940 6596 235.7 UdeM00000040940 XP_045204261.1 41.6 274
152 5 53 323 39 307 8.20E-59 235.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040941 6596 97.1 UdeM00000040941 XP_045189266.1 30.9 194
119 5 11 198 280 464 5.60E-17 97.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044205 83332 147.9 UdeM00000044205 NP_217195.1 36.7 248 154
3 15 262 22 266 1.80E-32 147.9 83332 cellular
organisms;Bacteria;Terrabacteria group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000044206 3055 118.2 UdeM00000044206 XP_001699466.1 32.7 278
165 7 5 263 47 321 1.50E-23 118.2 3055 cellular
organisms;Eukaryota;Viridiplantae;Chlorophyta;core chlorophytes;Chlorophyceae;CS clade;Chlamydomonadales;Chlamydomonadaceae;Chlamydomonas;Chlamydomonas reinhardtii

UdeM00000044207 83332 435.3 UdeM00000044207 NP_215401.1 46.3 553 272
7 1 533 1 548 1.20E-118 435.3 83332 cellular
organisms;Bacteria;Terrabacteria group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000044295 6596 77 UdeM00000044295 XP_045186033.1 30.4 158
108 2 215 372 23 178 6.10E-11 77 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044296 8355 131.7 UdeM00000044296 XP_041441910.1 27.3 355
247 6 1 350 273 621 2.90E-27 131.7 8355 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoidea;Pipidae;Xenopodinae;Xenopus;Xenopus;Xenopus laevis

UdeM00000044408 6579 94 UdeM00000044408 XP_033729305.1 38.6 153
90 3 22 170 59 211 2.10E-16 94 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041593 6596 529.3 UdeM00000041593 XP_045162781.1 57.6 495
202 4 7 496 18 509 6.30E-147 529.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041594 6579 950.7 UdeM00000041594 XP_033763050.1 65.4 769
248 10 1 760 1 760 1.20E-273 950.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000041595 6573 172.9 UdeM00000041595 XP_021372846.1 64.9 114
40 0 95 208 138 251 1.10E-39 172.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000041596 6596 403.3 UdeM00000041596 XP_045162780.1 71.3 286
75 3 1 280 1 285 2.50E-109 403.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000041597 6596 471.5 UdeM00000041597 XP_045162780.1 58.2 438
175 4 7 439 18 452 1.20E-129 471.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000041600 6596 471.9 UdeM00000041600 XP_045162780.1 59.7 427
164 4 7 428 18 441 9.00E-130 471.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000002806 6706 149.4 UdeM00000002806 XP_042235765.1 43.3 157
89 0 1 157 1 157 3.80E-33 149.4 6706 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Malacostraca; Eumalacostraca; Eucarida; Decapoda; Pleocyemata; Astacidea; Nephropoidea; Nephropidae; Homarus; Homarus americanus
UdeM00000002807 151771 103.2 UdeM00000002807 XP_028409260.1 37.2
164 99 2 58 218 56 218 5.40E-19 103.2 151771
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Octocorallia; Alcyonacea; Alcyoniina; Nephtheidae; Dendronephthya; Dendronephthya gigantea
UdeM00000002808 6596 71.2 UdeM00000002808 XP_045215232.1 50 56
27 1 4 59 7 61 6.90E-10 71.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000002809 6596 68.9 UdeM00000002809 XP_045208259.1 50.7 67
30 1 8 71 239 305 3.80E-09 68.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000002811 29159 76.3 UdeM00000002811 XP_034307860.1 57.1 63
27 0 1 63 1 63 2.60E-11 76.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000002813 6565 243.8 UdeM00000002813 XP_022297447.1 53.8 225
 83 3 30 235 44 266 7.90E-61 243.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002816 6596 323.6 UdeM00000002816 XP_045181000.1 60.6 442
 106 4 24 411 1150 1577 3.90E-85 323.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002817 6596 61.2 UdeM00000002817 XP_045197645.1 34.2 114
 44 3 87 169 30 143 1.50E-06 61.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002818 1735272 135.2 UdeM00000002818 XP_041346684.1 36.8
 231 136 6 23 245 598 826 1.20E-28 135.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002820 6573 94 UdeM00000002820 XP_021365625.1 52.9 87
 41 0 63 149 40 126 3.20E-16 94 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020948 6596 251.9 UdeM00000020948 XP_045168245.1 66.3 193
 61 2 3 195 220 408 7.60E-64 251.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020949 1735272 120.9 UdeM00000020949 XP_041361004.1 44
 134 72 1 1 131 76 209 1.20E-24 120.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020950 6596 180.6 UdeM00000020950 XP_045168245.1 63.8 141
 50 1 1 141 33 172 2.60E-42 180.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020951 6596 134.4 UdeM00000020951 XP_045168569.1 43 265
 113 15 60 297 237 490 2.30E-28 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020952 6596 338.6 UdeM00000020952 XP_045168569.1 43.8 498
 239 17 5 474 6 490 1.30E-89 338.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020954 6596 172.9 UdeM00000020954 XP_045170500.1 90.1 91
9 0 15 105 2 92 2.10E-40 172.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020955 6596 174.9 UdeM00000020955 XP_045170500.1 90.2 92
9 0 1 92 1 92 4.90E-41 174.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020956 6573 454.9 UdeM00000020956 XP_021377115.1 53.7 436
165 6 1 411 1 424 1.10E-124 454.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020957 6596 657.9 UdeM00000020957 XP_045168447.1 75.3 442
109 0 1 442 37 478 9.10E-186 657.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020960 6573 61.2 UdeM00000020960 XP_021346173.1 37.1 62
39 0 283 344 150 211 5.90E-06 61.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020961 6579 84 UdeM00000020961 XP_033731763.1 59.1 66
24 1 2 64 3 68 1.40E-13 84 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020963 45264 175.6 UdeM00000020963 XP_044165535.1 45 189
100 1 989 1173 359 547 5.10E-40 175.6 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000020964 6596 248.1 UdeM00000020964 XP_045167675.1 70.2 191
56 1 227 416 438 628 2.00E-62 248.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020965 29159 406 UdeM00000020965 XP_011412008.1 57 377
124 2 1 377 22 360 6.80E-110 406 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020966 29159 401.4 UdeM00000020966 XP_011412008.1 56.9 378
 124 3 1 378 22 360 1.70E-108 401.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020967 225164 369 UdeM00000020967 XP_009057092.1 56.8
 292 124 2 1 290 239 530 7.40E-99 369 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000020968 1735272 1717.6 UdeM00000020968 XP_041366443.1
 87.5 979 115 1 1 979 1 972 0.00E+00 1717.6
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020969 6500 308.9 UdeM00000020969 XP_035826340.1 67.3 217
 68 1 2 215 30 246 5.10E-81 308.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000020970 6596 1426.4 UdeM00000020970 XP_045167471.1 60
 1214 443 13 18 1212 514 1704 0.00E+00 1426.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020971 6573 413.7 UdeM00000020971 XP_021361346.1 60.1 336
 128 3 1 330 172 507 4.30E-112 413.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020972 6596 252.7 UdeM00000020972 XP_045167471.1 81.2 154
 29 0 9 162 7 160 3.50E-64 252.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020973 6596 137.9 UdeM00000020973 XP_045196674.1 31.9 288
 174 9 372 645 18 297 4.70E-29 137.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020974 6596 124 UdeM00000020974 XP_045196674.1 37.3 193
 111 4 653 840 79 266 9.30E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020975 6596 124 UdeM00000020975 XP_045196674.1 37.3 193
 111 4 378 565 79 266 6.40E-25 124 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020976 6596 694.9 UdeM00000020976 XP_045168271.1 33.9 1269
663 29 929 2050 315 1554 3.10E-196 694.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020978 6596 164.9 UdeM00000020978 XP_045196149.1 55.4 148
62 3 48 192 29 175 2.70E-37 164.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020979 6596 165.2 UdeM00000020979 XP_045196149.1 55.4 148
62 3 16 160 29 175 1.90E-37 165.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020980 6596 426 UdeM00000020980 XP_045164813.1 52.5 385
179 2 12 392 155 539 6.10E-116 426 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020981 6596 427.6 UdeM00000020981 XP_045164813.1 51.9 389
183 2 6 390 151 539 2.10E-116 427.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020982 6596 194.1 UdeM00000020982 XP_045165409.1 48.5 202
101 3 15 213 10 211 2.00E-46 194.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020983 6596 230.3 UdeM00000020983 XP_045165057.1 49.8 217
105 2 1 214 264 479 2.30E-57 230.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020984 6596 165.6 UdeM00000020984 XP_045166944.1 55 151
64 3 145 292 31 180 9.30E-38 165.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020986 6596 286.2 UdeM00000020986 XP_045164813.1 52.5 259
120 1 2 257 180 438 4.20E-74 286.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020985 6596 301.2 UdeM00000020985 XP_045164813.1 43.3 360
131 2 2 288 180 539 1.70E-78 301.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020987 6596 568.2 UdeM00000020987 XP_045164813.1 51.6 546
249 7 1 538 1 539 1.20E-158 568.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020988 6596 566.2 UdeM00000020988 XP_045164813.1 51.9 541
245 7 37 569 6 539 4.90E-158 566.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020990 6596 280.4 UdeM00000020990 XP_045164813.1 53 253
116 1 1 250 287 539 2.40E-72 280.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020991 6596 551.2 UdeM00000020991 XP_045165057.1 50.9 542
246 9 15 545 7 539 1.60E-153 551.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020992 6596 557.4 UdeM00000020992 XP_045164813.1 51.5 518
242 4 6 514 22 539 2.40E-155 557.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020993 6596 208 UdeM00000020993 XP_045181453.1 53.8 184
81 3 44 224 11 193 1.30E-50 208 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020994 6596 141 UdeM00000020994 XP_045196149.1 51.4 142
65 3 13 151 29 169 1.40E-30 141 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020995 6596 305.1 UdeM00000020995 XP_045164813.1 52.9 276
127 1 1 273 264 539 1.20E-79 305.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020996 6596 585.9 UdeM00000020996 XP_045181453.1 53.1 531
241 5 45 569 11 539 5.70E-164 585.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020997 6596 1544.3 UdeM00000020997 XP_045168315.1 52.1
1979 672 54 1 1790 80 1972 0.00E+00 1544.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020998 6500 171.8 UdeM00000020998 XP_005097388.1 80.2 101
20 0 1 101 1 101 4.50E-40 171.8 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000020999 6596 884.8 UdeM00000020999 XP_045170352.1 80.9 555
106 0 1 555 1 555 5.80E-254 884.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021000 6500 186 UdeM00000021000 XP_012934589.1 28.3 487
309 16 528 988 569 1041 2.40E-43 186 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000021001 6500 192.6 UdeM00000021001 XP_012934589.1 28.3 484
311 13 535 993 569 1041 2.70E-45 192.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000021003 6596 104 UdeM00000021003 XP_045167970.1 37.2 137
77 3 59 195 48 175 2.30E-19 104 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021004 6565 451.4 UdeM00000021004 XP_022291254.1 65.1 350
120 1 1 350 200 547 1.50E-123 451.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021005 6596 586.3 UdeM00000021005 XP_045179332.1 54.3 536
231 4 5 535 3 529 5.50E-164 586.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021006 6596 111.7 UdeM00000021006 XP_045211142.1 30.6 304
 168 8 1 263 1 302 1.40E-21 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021009 6596 111.7 UdeM00000021009 XP_045211142.1 30 307
 167 9 1 264 1 302 1.50E-21 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021010 1735272 506.1 UdeM00000021010 XP_041349194.1 39.8
 762 417 12 3 736 799 1546 7.30E-140 506.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021011 1735272 433 UdeM00000021011 XP_041349194.1 35.9
 754 427 12 77 789 799 1537 8.60E-118 433 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021012 6596 100.1 UdeM00000021012 XP_045187660.1 29 252
 142 5 25 268 18 240 4.50E-18 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021013 6596 107.1 UdeM00000021013 XP_045163871.1 45.2 135
 67 4 101 230 165 297 3.10E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021014 6596 100.1 UdeM00000021014 XP_045187660.1 29 252
 142 5 25 268 18 240 4.50E-18 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021015 6596 107.1 UdeM00000021015 XP_045163871.1 45.2 135
 67 4 101 230 165 297 3.10E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021016 6596 213.8 UdeM00000021016 XP_045168684.1 68.1 138
 44 0 1 138 126 263 1.40E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021017 6565 149.8 UdeM00000021017 XP_022327962.1 48.7 156
 79 1 1 155 445 600 2.90E-33 149.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021018 6565 317.8 UdeM00000021018 XP_022327962.1 61.9 257
 97 1 115 370 181 437 1.90E-83 317.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021019 29159 426.8 UdeM00000021019 XP_011422577.1 79.2 260
 54 0 9 268 50 309 5.90E-116 426.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021020 400727 255.4 UdeM00000021020 XP_025094281.1 52.7
 300 125 3 19 318 51 333 1.30E-64 255.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000021021 400727 144.8 UdeM00000021021 XP_025093379.1 59.6
 109 43 1 1 108 1 109 6.30E-32 144.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000021022 29159 201.1 UdeM00000021022 XP_034310203.1 60.1 153
 60 1 1 152 1 153 1.00E-48 201.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021023 6596 217.2 UdeM00000021023 XP_045192074.1 46.1 258
 133 2 1 252 2120 2377 2.60E-53 217.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021024 6596 361.3 UdeM00000021024 XP_045168969.1 54.4 401
 130 13 1 374 8 382 1.50E-96 361.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021026 6596 1535.8 UdeM00000021026 XP_045169017.1 70.5
 1081 223 7 14 1071 20 1027 0.00E+00 1535.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021027 6596 532.7 UdeM00000021027 XP_045170166.1 46 563
 291 5 1 562 61 611 5.60E-148 532.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021028 6596 449.1 UdeM00000021028 XP_045159972.1 36.9 672
 403 8 138 801 71 729 1.20E-122 449.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021030 6596 298.5 UdeM00000021030 XP_045210101.1 33.4 632
 370 13 117 717 6 617 2.40E-77 298.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021032 6596 156.4 UdeM00000021032 XP_045210099.1 31.8 352
 216 6 17 359 16 352 7.30E-35 156.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021033 6596 444.5 UdeM00000021033 XP_045159972.1 37.3 670
 405 8 136 798 68 729 2.80E-121 444.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021035 6573 285.4 UdeM00000021035 XP_021352442.1 40.1 369
 216 3 2 366 592 959 1.00E-73 285.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021034 6573 492.7 UdeM00000021034 XP_021352442.1 32.8 1022
 552 16 5 960 7 959 1.10E-135 492.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021036 6596 435.3 UdeM00000021036 XP_045159972.1 35.3 671
 414 6 144 804 69 729 1.70E-118 435.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021037 6596 156.8 UdeM00000021037 XP_045210101.1 30.4 388
 220 8 5 367 3 365 5.70E-35 156.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021038 6596 443.4 UdeM00000021038 XP_045159972.1 36.3 670
 411 7 140 802 69 729 6.30E-121 443.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021040 6579 272.3 UdeM00000021040 XP_033762676.1 40 492
240 8 1 487 3507 3948 1.30E-69 272.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021039 6579 1489.2 UdeM00000021039 XP_033762676.1 43.7
2054 1016 30 5 2020 1998 3948 0.00E+00 1489.2 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021041 1735272 907.5 UdeM00000021041 XP_041366877.1 31.4
1981 1201 43 9 1895 307 2224 2.80E-260 907.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021042 6573 71.6 UdeM00000021042 XP_021343132.1 29.1 148
99 3 10 154 80 224 1.20E-09 71.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021044 6596 324.7 UdeM00000021044 XP_045168047.1 72 236
60 3 68 299 93 326 1.20E-85 324.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021045 80966 245.7 UdeM00000021045 XP_022077561.1 46.7 274
129 2 15 287 14 271 7.00E-62 245.7 80966 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Ovalentaria incertae sedis;Pomacentridae;Acanthochromis;Acanthochromis polyacanthus

UdeM00000021046 400727 107.5 UdeM00000021046 XP_025095522.1 73.4
64 16 1 1 63 1 64 1.30E-20 107.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000021047 6596 1213.4 UdeM00000021047 XP_045168582.1 81
763 135 5 41 798 49 806 0.00E+00 1213.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021048 1735272 495.7 UdeM00000021048 XP_041366419.1 57.6
 425 170 4 39 461 32 448 6.20E-137 495.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021049 6596 861.7 UdeM00000021049 XP_045159576.1 74.1 555
 140 3 1 551 1 555 6.50E-247 861.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021050 1735272 348.2 UdeM00000021050 XP_041366073.1 49.3
 367 174 8 37 401 38 394 1.40E-92 348.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021051 6596 398.7 UdeM00000021051 XP_045169737.1 46.4 433
 207 9 47 477 120 529 1.10E-107 398.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021052 29159 187.6 UdeM00000021052 XP_011439882.2 52.8 161
 75 1 32 191 13 173 1.70E-44 187.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021053 6596 2413.3 UdeM00000021053 XP_045168784.1 73.6
 1562 407 3 3 1560 210 1770 0.00E+00 2413.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021054 6579 194.5 UdeM00000021054 XP_033762068.1 78.7 127
 17 1 3 129 15 131 8.70E-47 194.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021059 6596 420.2 UdeM00000021059 XP_045169196.1 48.3 544
 229 4 7 550 26 517 4.00E-114 420.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021060 29159 91.3 UdeM00000021060 XP_011428243.2 37.4 131
 66 3 27 144 48 175 1.10E-15 91.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021061 6596 195.3 UdeM00000021061 XP_045169838.1 58.6 191
 65 4 2 182 4 190 7.10E-47 195.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021062 6596 1051.2 UdeM00000021062 XP_045169673.1 60.6
812 311 4 1 807 1 808 7.00E-304 1051.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021063 6596 1338.6 UdeM00000021063 XP_045168774.1 50.1
1907 739 49 1 1801 256 2056 0.00E+00 1338.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021064 6596 1338.9 UdeM00000021064 XP_045168774.1 50.3
1901 734 49 1 1790 256 2056 0.00E+00 1338.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021065 6596 180.6 UdeM00000021065 XP_045168771.1 56.1 157
65 2 8 161 10 165 1.70E-42 180.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021066 6573 511.5 UdeM00000021066 XP_021373784.1 40.3 801
414 15 1 772 1 766 1.80E-141 511.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021067 1735272 299.3 UdeM00000021067 XP_041366646.1 31.6
732 416 14 4 729 27 679 1.40E-77 299.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021068 1735272 1176 UdeM00000021068 XP_041365925.1 73
933 237 4 15 932 4 936 0.00E+00 1176 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021069 6596 102.1 UdeM00000021069 XP_045167702.1 53.8 78
36 0 134 211 31 108 1.30E-18 102.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021070 6596 87.8 UdeM00000021070 XP_045167703.1 31.5 260
 128 9 678 911 1084 1319 7.70E-14 87.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021071 6596 261.5 UdeM00000021071 XP_045169052.1 49.8 261
 130 1 1 261 5 264 1.10E-66 261.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021072 6596 1032.7 UdeM00000021072 XP_045168068.1 66.5
 893 208 16 31 879 357 1202 3.00E-298 1032.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021073 6596 147.5 UdeM00000021073 XP_045168067.1 41.5 265
 120 10 1 235 124 383 3.00E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021074 6579 190.7 UdeM00000021074 XP_033761641.1 83.8 105
 17 0 17 121 1 105 1.70E-45 190.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029341 6596 344.4 UdeM00000029341 XP_045199866.1 51.8 313
 150 1 26 338 1817 2128 3.20E-91 344.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029342 6596 75.1 UdeM00000029342 XP_045202576.1 57.1 70
 23 1 25 87 145 214 1.00E-10 75.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029343 6596 180.3 UdeM00000029343 XP_045206316.1 46.5 202
 107 1 28 228 66 267 2.90E-42 180.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029345 70779 162.9 UdeM00000029345 XP_015755124.1 37.7 252
 130 3 99 323 219 470 7.40E-37 162.9 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera

UdeM00000029346 29159 198.7 UdeM00000029346 XP_011433270.2 25.1 802
 415 20 65 730 137 888 2.50E-47 198.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029347 6596 242.3 UdeM00000029347 XP_045208968.1 56.1 212
 93 0 1 212 1255 1466 7.80E-61 242.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029351 6573 662.9 UdeM00000029351 XP_021362502.1 36.4 1203
 579 29 53 1110 40 1201 7.40E-187 662.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029352 6573 514.2 UdeM00000029352 XP_021362500.1 32.6 1172
 583 29 75 1100 139 1249 4.00E-142 514.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029354 6573 180.6 UdeM00000029354 XP_021358159.1 36.2 298
 177 7 185 472 366 660 6.10E-42 180.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029355 6596 328.9 UdeM00000029355 XP_045199866.1 51.6 304
 145 2 1 304 1838 2139 1.20E-86 328.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029357 7957 234.6 UdeM00000029357 XP_026125748.1 39.2 337
 184 5 7 341 2 319 1.90E-58 234.6 7957 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 idei;Cyprinidae;Cyprininae;Carassius;Carassius auratus
 UdeM00000029359 6573 96.7 UdeM00000029359 XP_021365625.1 49 104
 52 1 33 135 23 126 4.60E-17 96.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029360 6573 654.8 UdeM00000029360 XP_021362502.1 36.2 1258
 622 33 10 1117 10 1236 1.90E-184 654.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029361 6573 320.5 UdeM00000029361 XP_021362500.1 26.7 1168
 531 31 27 926 139 1249 7.70E-84 320.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029362 6579 179.9 UdeM00000029362 XP_033724854.1 36.7 319
 161 9 53 336 47 359 5.60E-42 179.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029363 6579 372.1 UdeM00000029363 XP_033724860.1 34.7 712
 291 11 7 549 479 1185 1.30E-99 372.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029364 6526 151.4 UdeM00000029364 XP_013063620.1 37.6 271
 138 8 26 266 14 283 1.80E-33 151.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000029366 6573 511.9 UdeM00000029366 XP_021362500.1 36.8 905
 423 19 4 777 328 1214 1.50E-141 511.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029367 7739 90.9 UdeM00000029367 XP_035700323.1 34.4 163
 84 4 17 156 205 367 2.50E-15 90.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000029368 7739 134.4 UdeM00000029368 XP_035700323.1 25 713
 337 24 3 548 8 689 4.40E-28 134.4 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000029369 6573 476.9 UdeM00000029369 XP_021362500.1 32.1 1154
 572 30 98 1082 139 1249 7.00E-131 476.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029370 6596 336.7 UdeM00000029370 XP_045208968.1 33.7 765
 356 18 42 664 232 987 7.00E-89 336.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029371 6579 65.9 UdeM00000029371 XP_033748450.1 43.2 81
 44 1 61 139 205 285 9.20E-08 65.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029372 6573 138.7 UdeM00000029372 XP_021362500.1 36.4 239
 82 2 1 169 895 1133 7.70E-30 138.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029373 225164 165.6 UdeM00000029373 XP_009055754.1 27
 730 376 25 42 664 75 754 2.20E-37 165.6 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000029374 133434 72.8 UdeM00000029374 XP_022084599.1 31.2
138 90 2 6 142 1047 1180 5.90E-10 72.8 133434

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci

UdeM00000029375 6573 585.5 UdeM00000029375 XP_021362500.1 36.7 1075
523 29 71 1007 139 1193 1.30E-163 585.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000029377 6596 180.6 UdeM00000029377 XP_045179676.1 25.7 686
439 20 268 931 498 1134 9.00E-42 180.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029378 8078 66.2 UdeM00000029378 XP_035990535.1 49.2 59
28 1 7 65 2 58 2.70E-08 66.2 8078 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus

heteroclitus

UdeM00000029379 158441 122.9 UdeM00000029379 XP_021948043.1 42.2
135 78 0 1 135 160 294 3.30E-25 122.9 158441

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Coll
embola;Entomobryomorpha;Isotomoidea;Isotomidae;Proisotominae;Folsomia;Fol
somia candida

UdeM00000029380 400682 105.1 UdeM00000029380 XP_003390251.1 33.2
211 103 4 12 193 432 633 9.90E-20 105.1 400682

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000029381 6596 183 UdeM00000029381 XP_045179676.1 25.9 669
431 18 249 896 498 1122 1.80E-42 183 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029385 6596 142.5 UdeM00000029385 XP_045207526.1 49 198
80 8 1 181 1 194 5.60E-31 142.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000029386 400727 136.7 UdeM00000029386 XP_025080355.1 88.5
 78 9 0 1 78 257 334 3.00E-29 136.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000029387 6596 169.1 UdeM00000029387 XP_045208142.1 80 105
 21 0 1 105 1 105 3.10E-39 169.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000029389 6579 885.9 UdeM00000029389 XP_033725675.1 80.7 514
 92 3 523 1031 105 616 4.80E-254 885.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029390 1735272 369.8 UdeM00000029390 XP_041371428.1 47.2
 398 190 4 13 409 5 383 6.80E-99 369.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000029391 6565 190.3 UdeM00000029391 XP_022289339.1 48.7 195
 93 2 206 393 78 272 5.60E-45 190.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029392 6596 355.1 UdeM00000029392 XP_045207280.1 42.6 432
 217 6 1 408 28 452 1.30E-94 355.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000029393 114398 426.8 UdeM00000029393 XP_042903861.1 38.9
 609 361 6 1 605 1 602 4.60E-116 426.8 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;
 Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum
 UdeM00000029394 6596 387.9 UdeM00000029394 XP_045207280.1 47.1 442
 213 7 1 423 28 467 1.90E-104 387.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000029395 1735272 88.2 UdeM00000029395 XP_041347065.1 38.3
 154 83 4 17 158 75 228 1.20E-14 88.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis

UdeM00000029396 6596 2035.4 UdeM00000029396 XP_045208936.1 64.3
 1552 513 10 20 1532 32 1581 0.00E+00 2035.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029397 6596 506.9 UdeM00000029397 XP_045208471.1 54.7 481
 185 5 1 448 3 483 2.70E-140 506.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029398 6596 478.8 UdeM00000029398 XP_045208471.1 53.6 476
 186 4 1 441 3 478 7.70E-132 478.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029399 6596 409.1 UdeM00000029399 XP_045208471.1 52.1 426
 169 4 1 391 53 478 6.70E-111 409.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029400 6596 187.2 UdeM00000029400 XP_045207280.1 47.4 190
 81 1 1 171 28 217 1.80E-44 187.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029402 1735272 266.2 UdeM00000029402 XP_041370954.1 69.5
 177 54 0 46 222 1 177 4.30E-68 266.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029405 6596 287.7 UdeM00000029405 XP_045209904.1 63.3 218
 74 1 1 218 292 503 1.30E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029406 29159 223 UdeM00000029406 XP_034303351.1 58.8 177
 72 1 22 198 33 208 6.20E-55 223 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029407 6579 84.7 UdeM00000029407 XP_033732520.1 28.5 172
 116 3 13 181 155 322 2.40E-13 84.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029408 6579 80.5 UdeM00000029408 XP_033732520.1 28.5 172
 116 3 13 181 155 322 4.60E-12 80.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029409 29159 240 UdeM00000029409 XP_034303977.1 43.2 352
 97 2 2 250 383 734 3.40E-60 240 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029410 29159 72 UdeM00000029410 XP_011453081.2 23.9 142
 107 1 14 155 194 334 1.60E-09 72 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029411 6573 134 UdeM00000029411 XP_021358174.1 27.3 362
 214 6 11 327 14 371 4.70E-28 134 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029412 1735272 2266.5 UdeM00000029412 XP_041371786.1
 58.3 1809 741 8 21 1821 1201 3004 0.00E+00 2266.5
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029413 6596 785.4 UdeM00000029413 XP_045208831.1 60.5 593
 231 2 37 628 1273 1863 5.60E-224 785.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029414 6596 649.8 UdeM00000029414 XP_045208831.1 58.1 504
 208 2 61 563 2004 2505 3.30E-183 649.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029415 29159 681 UdeM00000029415 NP_001292237.1 70.3 492
 144 2 29 518 27 518 1.20E-192 681 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029416 29159 689.1 UdeM00000029416 NP_001292237.1 70.9 494
 141 2 36 528 27 518 4.40E-195 689.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029417 29159 648.3 UdeM00000029417 NP_001292237.1 66.1 505
 161 3 25 528 23 518 8.70E-183 648.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000029418	6579	1459.1		UdeM00000029418	XP_033724854.1	48
1666	791	22	4	1629	10	1640
						0.00E+00
						1459.1
						6579

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000029419	8023	376.3		UdeM00000029419	XP_029487480.1	40.3	466
276	2	10	474	9	473	7.20E-101	376.3
							8023
							cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Protacanthopterygii;Salmoniformes;Salmonidae;Salmoninae;Oncorhynchus;Oncorhynchus nerka

UdeM00000029420	6596	73.9		UdeM00000029420	XP_045209802.1	37.9	95
50	4	6	92	544	637	8.80E-10	73.9
							6596
							cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029421	6596	270		UdeM00000029421	XP_045170511.1	30.3	548
329	15	14	524	398	929	8.20E-69	270
							6596
							cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029422	6596	280.8		UdeM00000029422	XP_045208619.1	41.4	362
206	3	46	402	28	388	2.90E-72	280.8
							6596
							cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029423	6596	908.3		UdeM00000029423	XP_045209497.1	60.7	794
108	1	19	812	4	593	7.00E-261	908.3
							6596
							cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029424	6596	442.6		UdeM00000029424	XP_045207933.1	72.4	293
80	1	6	297	7	299	4.10E-121	442.6
							6596
							cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029425	6596	692.6		UdeM00000029425	XP_045207933.1	73.7	452
118	1	6	456	7	458	3.40E-196	692.6
							6596
							cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000029426	6596	405.2		UdeM00000029426	XP_045209008.1	57.2	341
134	4	3	340	6	337	1.10E-109	405.2
							6596
							cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000029427 6596 190.7 UdeM00000029427 XP_045209573.1 38.8 242
 146 2 53 294 3 242 2.90E-45 190.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000029428 6596 196.1 UdeM00000029428 XP_045209573.1 40.1 242
 143 2 53 294 3 242 6.80E-47 196.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000029429 6596 189.1 UdeM00000029429 XP_045183440.1 57.1 168
 68 2 3 170 217 380 7.30E-45 189.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000029431 6573 65.5 UdeM00000029431 XP_021364002.1 25.3 253
 172 4 49 296 78 318 1.40E-07 65.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029433 1735272 68.2 UdeM00000029433 XP_041371665.1 59.3
 59 23 1 66 124 92 149 8.60E-09 68.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029432 29159 346.7 UdeM00000029432 XP_011419097.2 74.9 235
 58 1 62 296 85 318 3.00E-92 346.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029434 6565 228 UdeM00000029434 XP_022291329.1 82.9 140
 24 0 1 140 189 328 7.40E-57 228 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029436 1735272 69.3 UdeM00000029436 XP_041371665.1 59.3
 59 23 1 61 119 92 149 3.70E-09 69.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029437 114398 436.4 UdeM00000029437 XP_042903861.1 39.6
 609 357 6 1 605 1 602 5.90E-119 436.4 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM00000029438 29159 187.2 UdeM00000029438 XP_011419097.2 71.5 130
 37 0 28 157 189 318 1.60E-44 187.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029439 29159 170.2 UdeM00000029439 XP_011419974.2 65 137
 42 2 125 255 79 215 3.30E-39 170.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029452 29159 730.3 UdeM00000029452 XP_011424767.2 60.2 640
 237 4 1 630 155 786 2.10E-207 730.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029453 6596 374 UdeM00000029453 XP_045170511.1 29.5 867
 507 27 225 1021 95 927 7.10E-100 374 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029454 6596 375.6 UdeM00000029454 XP_045170511.1 29.7 872
 507 28 1507 2308 95 930 5.00E-100 375.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029455 6596 183.3 UdeM00000029455 XP_045182925.1 30.8 396
 250 13 9 393 45 427 6.20E-43 183.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029456 6565 436.4 UdeM00000029456 XP_022340968.1 67.8 307
 99 0 59 365 39 345 3.50E-119 436.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029458 6596 654.1 UdeM00000029458 XP_045210496.1 72.9 428
 116 0 3 430 4 431 1.30E-184 654.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029459 6596 121.3 UdeM00000029459 XP_045210496.1 68.1 91
 29 0 11 101 326 416 7.50E-25 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029460 1735272 228 UdeM00000029460 XP_041372070.1 60.2
 181 72 0 37 217 34 214 1.20E-56 228 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000029461 6596 503.8 UdeM00000029461 XP_045208671.1 47.1 614
280 11 211 816 258 834 4.00E-139 503.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043533 7741 134.8 UdeM00000043533 XP_019646227.1 51.5 130
59 2 24 153 68 193 9.30E-29 134.8 7741 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma belcheri

UdeM00000043534 6579 265.8 UdeM00000043534 XP_033756999.1 44.9 283
150 3 1 282 1 278 6.40E-68 265.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000043535 6565 105.9 UdeM00000043535 XP_022298867.1 32.3 254
143 11 17 247 31 278 1.20E-19 105.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000043536 6596 477.2 UdeM00000043536 XP_045161521.1 35.9 896
505 26 1 860 1 863 4.90E-131 477.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000043288 42526 70.9 UdeM00000043288 XP_036431265.1 47.8 67
34 1 13 79 87 152 1.10E-09 70.9 42526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Otomorpha; Ostariophysi; Otophysi; Characiphysae; Characiformes; Characidae; Serrasalminae; Colossoma; Colossoma macropomum

UdeM00000043293 42526 70.9 UdeM00000043293 XP_036431265.1 47.8 67
34 1 13 79 87 152 1.10E-09 70.9 42526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Otomorpha; Ostariophysi; Otophysi; Characiphysae; Characiformes; Characidae; Serrasalminae; Colossoma; Colossoma macropomum

UdeM00000044112 1735272 233 UdeM00000044112 XP_041347279.1 33.9
436 227 10 1 382 1 429 6.30E-58 233 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000044113 6596 234.6 UdeM00000044113 XP_045181000.1 45.1 375
85 10 2 274 868 1223 2.30E-58 234.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000044114 6596 461.1 UdeM00000044114 XP_045181000.1 78.6 309
 65 1 1 309 1309 1616 1.10E-126 461.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044115 6573 463.8 UdeM00000044115 XP_021342792.1 59.2 387
 154 3 1 383 80 466 2.20E-127 463.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044116 6565 275.4 UdeM00000044116 XP_022287574.1 74.4 176
 39 1 1 170 27 202 4.90E-71 275.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044117 218467 130.2 UdeM00000044117 XP_023212120.1 42
 150 87 0 100 249 4 153 3.90E-27 130.2 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buti
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000043486 29159 282 UdeM00000043486 XP_034317111.1 41 402
 179 5 2 348 171 569 1.10E-72 282 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022704 6596 422.2 UdeM00000022704 XP_045181000.1 71.2 316
 63 2 24 312 1302 1616 6.00E-115 422.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022708 6596 172.6 UdeM00000022708 XP_045177112.1 35 234
 151 1 9 241 160 393 7.40E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022709 6573 194.5 UdeM00000022709 XP_021380250.1 26.4 530
 335 14 3 492 434 948 3.20E-46 194.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022710 6596 461.8 UdeM00000022710 XP_045206065.1 31.6 977
 576 30 87 1021 60 986 2.20E-126 461.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022711 6596 293.9 UdeM00000022711 XP_045206084.1 29 663
 424 16 10 655 157 789 5.40E-76 293.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022712 6573 127.1 UdeM00000022712 XP_021361221.1 53.6 97
43 1 2 98 94 188 1.30E-26 127.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022713 6596 65.1 UdeM00000022713 XP_045206055.1 38 100
59 2 8 106 80 177 6.50E-08 65.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022716 6596 355.1 UdeM00000022716 XP_045156247.1 40.4 495
224 7 61 489 266 755 1.40E-94 355.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022718 6565 144.4 UdeM00000022718 XP_022312385.1 67.3 101
33 0 1 101 191 291 7.70E-32 144.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022722 6596 318.9 UdeM00000022722 XP_045206055.1 32.1 617
390 12 29 629 79 682 1.60E-83 318.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022723 6596 437.6 UdeM00000022723 XP_045206065.1 30.7 965
607 26 56 986 52 988 4.90E-119 437.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022724 161013 70.5 UdeM00000022724 XP_034252136.1 28.3
127 89 1 1 125 486 612 2.20E-09 70.5 161013

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;Thripidae;Thripidae;Thripinae;Thrips;Thrips palmi

UdeM00000022726 6596 350.9 UdeM00000022726 XP_045206065.1 27.8 970
524 26 7 833 49 985 4.60E-93 350.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022727 6596 172.6 UdeM00000022727 XP_045206084.1 29.9 354
220 6 6 333 183 534 8.70E-40 172.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022728 6596 265.4 UdeM00000022728 XP_045177112.1 30.1 535
312 14 109 594 81 602 2.00E-67 265.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022729 6596 265.4 UdeM00000022729 XP_045177112.1 30.1 535
312 14 39 524 81 602 1.80E-67 265.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022731 8175 463.8 UdeM00000022731 XP_030282862.1 38 710
403 10 9 706 3 687 6.00E-127 463.8 8175 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Spariformes;Sparidae;Sparus;Sparus aurata

UdeM00000022732 7741 276.6 UdeM00000022732 XP_019622111.1 50.5 281
134 4 5 283 1 278 3.60E-71 276.6 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000022733 29159 443.4 UdeM00000022733 XP_011430016.2 30.4 933
594 22 107 1021 75 970 8.20E-121 443.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022734 6596 127.9 UdeM00000022734 XP_045177112.1 30.8 237
128 4 9 212 160 393 1.90E-26 127.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022736 46514 67 UdeM00000022736 XP_038075930.1 30.8 143
69 3 31 144 20 161 2.40E-08 67 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000022737 1735272 240 UdeM00000022737 XP_041372570.1 62.5
176 64 2 4 177 41 216 2.40E-60 240 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022738 1735272 419.1 UdeM00000022738 XP_041372570.1 56.3
332 145 0 2 333 56 387 5.30E-114 419.1 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
spiridae; Gigantopelta; Gigantopelta aegis

UdeM00000022739 150288 220.3 UdeM00000022739 XP_020788097.1 59.9
152 61 0 45 196 389 540 2.20E-54 220.3 150288
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti-
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce-
phala; Euteleostomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo-
rphata; Euacanthomorpha; Percomorphaceae; Gobiaria; Gobiiformes; Gobioidi-
e; Gobiidae; Oxudercinae; Boleophthalmus; Boleophthalmus pectinirostris

UdeM00000022740 400727 427.9 UdeM00000022740 XP_025108466.1 45.9
499 255 5 51 549 59 542 1.90E-116 427.9 400727
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl-
ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000022741 6596 98.2 UdeM00000022741 XP_045211033.1 53.1 81
35 1 82 159 1278 1358 1.00E-17 98.2 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
a mercenaria

UdeM00000022742 6596 104 UdeM00000022742 XP_045211033.1 54.3 81
34 1 65 142 1278 1358 1.70E-19 104 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
a mercenaria

UdeM00000022743 6596 310.8 UdeM00000022743 XP_045163858.1 41 363
190 4 68 425 48 391 2.70E-81 310.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
a mercenaria

UdeM00000022744 6596 302.8 UdeM00000022744 XP_045182150.1 35.9 518
306 7 17 528 18 515 8.80E-79 302.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
a mercenaria

UdeM00000022745 1437191 130.2 UdeM00000022745 XP_029054816.1 45
129 70 1 1 128 335 463 1.90E-27 130.2 1437191
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse-
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Acul-
eata; Apoidea; Megachilidae; Megachilinae; Osmiini; Osmia; Osmia bicornis; Osmia
bicornis bicornis

UdeM00000022746 45264 459.1 UdeM00000022746 XP_044165535.1 49.3 444
219 2 240 679 128 569 1.10E-125 459.1 45264 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa-
corallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora
millepora

UdeM00000022747 6596 382.1 UdeM00000022747 XP_045181099.1 55.1 323
 141 3 27 347 15 335 7.50E-103 382.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022749 29159 580.5 UdeM00000022749 XP_034303860.1 59.4 443
 178 2 12 454 308 748 1.90E-162 580.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022750 6596 277.7 UdeM00000022750 XP_045182180.1 50.4 252
 124 1 49 299 86 337 1.80E-71 277.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022751 6596 267.7 UdeM00000022751 XP_045181225.1 51.7 236
 113 1 5 239 118 353 1.50E-68 267.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022752 6596 548.5 UdeM00000022752 XP_045180240.1 59.5 407
 162 2 3 407 63 468 7.50E-153 548.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022753 6573 142.1 UdeM00000022753 XP_021354401.1 33.5 397
 182 15 451 780 498 879 3.20E-30 142.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022754 6573 231.5 UdeM00000022754 XP_021374944.1 63.3 210
 55 3 19 227 13 201 1.10E-57 231.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022755 6579 1048.9 UdeM00000022755 XP_033726579.1 61.2
 1018 270 26 53 1027 87 1022 4.20E-303 1048.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022756 6596 543.9 UdeM00000022756 XP_045182090.1 63 441
 160 2 7 445 4 443 2.10E-151 543.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022757 6596 76.6 UdeM00000022757 XP_045182089.1 47.6 84
 41 2 1 81 376 459 2.30E-11 76.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022758 6596 424.1 UdeM00000022758 XP_045182090.1 62.6 345
126 2 7 348 4 348 3.20E-115 424.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022759 29159 440.7 UdeM00000022759 XP_011450727.1 51.7 482
188 10 1 455 18 481 2.40E-120 440.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022760 6596 1064.3 UdeM00000022760 XP_045181056.1 70.5
775 226 1 1 775 1 772 7.40E-308 1064.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022761 1735272 847.4 UdeM00000022761 XP_041361484.1 67.1
629 206 1 3 631 8 635 1.10E-242 847.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022762 6596 298.1 UdeM00000022762 XP_045195774.1 39 385
219 5 201 572 19 400 2.70E-77 298.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022763 6596 244.6 UdeM00000022763 XP_045181141.1 94.3 123
7 0 1 123 1 123 6.90E-62 244.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022764 29159 250 UdeM00000022764 XP_011419687.2 36.2 378
186 8 113 440 103 475 5.70E-63 250 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022765 6573 156.8 UdeM00000022765 XP_021372453.1 36.7 229
142 2 12 237 118 346 3.70E-35 156.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022767 6596 221.9 UdeM00000022767 XP_045182729.1 46 276
139 5 1 274 1 268 1.00E-54 221.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022768 225164 163.3 UdeM00000022768 XP_009050975.1 50
 142 70 1 14 155 13 153 2.70E-37 163.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000022769 6596 830.1 UdeM00000022769 XP_045181153.1 69.4 588
 172 5 1 581 1 587 1.70E-237 830.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022770 37621 142.9 UdeM00000022770 XP_014679100.1 37.9 232
 130 8 768 994 78 300 2.20E-30 142.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000022771 46731 92.8 UdeM00000022771 XP_027042029.1 41.4 133
 74 2 25 156 32 161 7.30E-16 92.8 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000022772 225164 86.3 UdeM00000022772 XP_009052701.1 48.1
 79 41 0 10 88 7 85 2.30E-14 86.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000022773 6596 354.4 UdeM00000022773 XP_045183074.1 84.6 208
 32 0 1 208 1 208 1.00E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022774 29159 67.8 UdeM00000022774 XP_034313077.1 52.2 69
 32 1 15 82 156 224 7.60E-09 67.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022775 6596 91.3 UdeM00000022775 XP_045182833.1 23.1 472
 301 10 5 433 143 595 3.40E-15 91.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022776 6596 271.6 UdeM00000022776 XP_045182382.1 36 503
 229 7 28 530 6 415 2.20E-69 271.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022777 6573 196.8 UdeM00000022777 XP_021348555.1 28.7 456
 305 5 24 473 21 462 6.20E-47 196.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022778 6573 139 UdeM00000022778 XP_021365717.1 29.4 326
 198 13 54 369 44 347 1.60E-29 139 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022779 6573 98.6 UdeM00000022779 XP_021365717.1 27.2 261
 163 11 54 307 44 284 2.10E-17 98.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022780 6596 348.6 UdeM00000022780 XP_045181952.1 59.2 272
 108 2 35 303 29 300 8.30E-93 348.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022781 6596 423.3 UdeM00000022781 XP_045180259.1 62.7 370
 129 4 51 414 62 428 3.50E-115 423.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022782 6596 1006.5 UdeM00000022782 XP_045180837.1 42.2
 1315 656 21 10 1231 6 1309 2.90E-290 1006.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022783 6596 528.5 UdeM00000022783 XP_045180837.1 41.2 702
 333 11 10 637 6 701 1.20E-146 528.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022784 6596 184.1 UdeM00000022784 XP_045182604.1 38.2 272
 158 2 103 364 64 335 3.50E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022785 6596 140.6 UdeM00000022785 XP_045181774.1 31.5 463
 238 15 200 631 167 581 7.10E-30 140.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022786 6596 143.7 UdeM00000022786 XP_045181774.1 31.7 460
 238 15 200 628 167 581 8.30E-31 143.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022787 6596 140.6 UdeM00000022787 XP_045181774.1 31.5 463
238 15 194 625 167 581 7.00E-30 140.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022788 6596 117.9 UdeM00000022788 XP_045181771.1 44.1 188
95 5 79 257 167 353 2.00E-23 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022789 1735272 65.1 UdeM00000022789 XP_041360711.1 37.5
80 50 0 5 84 6 85 6.70E-08 65.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022790 151771 98.6 UdeM00000022790 XP_028419301.1 58.8
85 35 0 1 85 112 196 4.20E-18 98.6 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000022791 151771 188.3 UdeM00000022791 XP_028417860.1 78.1
105 23 0 1 105 1 105 8.10E-45 188.3 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000022792 6579 513.8 UdeM00000022792 XP_033726457.1 73.9 330
80 1 1 330 5 328 1.60E-142 513.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022793 6596 483.8 UdeM00000022793 XP_045181713.1 80.9 282
54 0 1 282 1 282 1.60E-133 483.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022794 6565 303.5 UdeM00000022794 XP_022314529.1 42.4 394
150 3 1 317 34 427 3.10E-79 303.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022795 37621 121.3 UdeM00000022795 XP_014679849.1 47.9 117
47 3 1 113 511 617 8.00E-25 121.3 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000022796 37621 390.6 UdeM00000022796 XP_014679850.1 53.6 407
123 5 1 353 116 510 2.20E-105 390.6 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus

UdeM00000022798 6596 1155.6 UdeM00000022798 XP_045180850.1 56.9
1072 399 9 71 1087 4 1067 0.00E+00 1155.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022799 6573 69.7 UdeM00000022799 XP_021362121.1 29.1 292
163 10 263 521 333 613 1.30E-08 69.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022801 1735272 279.6 UdeM00000022801 XP_041361438.1 72.4
185 51 0 1 185 54 238 2.90E-72 279.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022800 6500 341.3 UdeM00000022800 XP_005099746.1 71.6 232
66 0 3 234 2 233 1.00E-90 341.3 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000022802 6596 523.9 UdeM00000022802 XP_045180371.1 59.6 463
119 3 96 552 46 446 2.50E-145 523.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022804 6596 260 UdeM00000022804 XP_045180341.1 83.1 154
26 0 2 155 358 511 1.90E-66 260 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022803 6596 602.1 UdeM00000022803 XP_045180341.1 78.6 383
82 0 105 487 129 511 6.50E-169 602.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022805 6596 179.1 UdeM00000022805 XP_045180341.1 76.1 117
28 0 105 221 129 245 7.00E-42 179.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022806 6596 172.6 UdeM00000022806 XP_045181474.1 61.4 145
 52 2 151 292 81 224 7.80E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022807 6596 172.6 UdeM00000022807 XP_045181474.1 61.4 145
 52 2 101 242 81 224 6.50E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022808 6596 131.7 UdeM00000022808 XP_045181371.1 39.5 243
 109 7 1 222 20 245 1.10E-27 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022811 6579 1005 UdeM00000022811 XP_033727239.1 50.2 1032
 489 10 1 1016 1 1023 6.90E-290 1005 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022812 6596 798.1 UdeM00000022812 XP_045215313.1 49.9 865
 413 11 6 867 3148 3995 1.10E-227 798.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022813 6596 870.5 UdeM00000022813 XP_045215313.1 40.4 1118
 593 14 1 1087 2069 3144 2.20E-249 870.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022814 6596 955.7 UdeM00000022814 XP_045215313.1 41.9 1307
 675 23 1 1294 811 2045 6.20E-275 955.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022815 6596 840.1 UdeM00000022815 XP_045215313.1 59.7 722
 268 7 1 719 1 702 2.20E-240 840.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022816 6596 94.4 UdeM00000022816 XP_045183070.1 35.2 179
 97 4 45 204 21 199 2.10E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022818 6579 785.4 UdeM00000022818 XP_033726960.1 61.6 604
 215 5 6 600 2 597 5.20E-224 785.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022819 6596 208.4 UdeM00000022819 XP_045181326.1 46.6 206
 78 2 1 206 1 174 8.90E-51 208.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022820 6596 99 UdeM00000022820 XP_045181326.1 55.2 87
 38 1 1 87 1 86 3.20E-18 99 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022821 225164 211.5 UdeM00000022821 XP_009061416.1 49.8
 241 91 6 911 1129 730 962 5.80E-51 211.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000022823 6596 131.3 UdeM00000022823 XP_045182272.1 26.1 681
 327 21 1 558 1 628 3.80E-27 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022824 6596 323.2 UdeM00000022824 XP_045194144.1 53.7 283
 125 3 1 280 1 280 3.30E-85 323.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022825 6596 257.3 UdeM00000022825 XP_045194143.1 57.2 201
 85 1 2 201 97 297 1.60E-65 257.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022826 34773 161 UdeM00000022826 XP_041941227.1 50.6 162
 65 6 245 391 242 403 3.10E-36 161 34773 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;A
 losa sapidissima
 UdeM00000022827 6596 72 UdeM00000022827 XP_045196674.1 30.1 146
 92 4 7 144 169 312 7.40E-10 72 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022828 6596 74.3 UdeM00000022828 XP_045196674.1 32.5 123
 72 2 477 592 29 147 8.50E-10 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022829 29159 98.6 UdeM00000022829 XP_019926412.2 40.7 135
 77 1 1 132 1 135 6.30E-18 98.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022830 6596 460.3 UdeM00000022830 XP_045181291.1 79.2 259
 54 0 1 259 306 564 1.60E-126 460.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022831 441366 149.1 UdeM00000022831 XP_028326620.1 41.5
 217 117 5 1 216 48 255 6.70E-33 149.1 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi

UdeM00000022832 46514 171.4 UdeM00000022832 XP_038075667.1 38 271
 140 6 1 254 301 560 1.50E-39 171.4 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000022833 6596 461.1 UdeM00000022833 XP_045181291.1 73.6 303
 80 0 1 303 1 303 1.20E-126 461.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022835 70779 59.3 UdeM00000022835 XP_015753870.1 59.6 52
 21 0 9 60 340 391 2.90E-06 59.3 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera

UdeM00000022836 2652724 283.5 UdeM00000022836 XP_020895427.1 72.9
 177 47 1 1 177 1 176 1.90E-73 283.5 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000022837 29159 1597.8 UdeM00000022837 XP_011449049.2 76.4
 1069 250 2 1 1068 1 1068 0.00E+00 1597.8
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022838 6596 573.2 UdeM00000022838 XP_045181151.1 72.6 394
 107 1 1 394 1 393 2.70E-160 573.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022840 6596 195.7 UdeM00000022840 XP_045181152.1 74.6 122
 31 0 1 122 1 122 4.10E-47 195.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022839 6596 773.5 UdeM00000022839 XP_045181152.1 79.8 446
 90 0 1 446 1 446 1.50E-220 773.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022841 6565 582.8 UdeM00000022841 XP_022292088.1 83.2 316
 53 0 1 316 128 443 2.70E-163 582.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022847 6573 112.5 UdeM00000022847 XP_021377527.1 36.5 197
 113 4 130 321 1 190 1.00E-21 112.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022846 6573 112.5 UdeM00000022846 XP_021377527.1 36.5 197
 113 4 67 258 1 190 8.40E-22 112.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022853 1735272 477.6 UdeM00000022853 XP_041360995.1 56
 423 183 2 41 463 28 447 1.80E-131 477.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022855 1735272 224.2 UdeM00000022855 XP_041360802.1 92
 112 9 0 1 112 1 112 8.50E-56 224.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022854 1735272 294.3 UdeM00000022854 XP_041360802.1 86.9
 153 20 0 1 153 1 153 1.30E-76 294.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022856 6596 571.6 UdeM00000022856 XP_045182129.1 81.5 335
 62 0 14 348 153 487 6.70E-160 571.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022857 6596 714.1 UdeM00000022857 XP_045180195.1 77.9 426
93 1 8 433 305 729 1.00E-202 714.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022858 6596 424.1 UdeM00000022858 XP_045180195.1 62.6 305
114 0 1 305 1 305 1.50E-115 424.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022859 1735272 427.9 UdeM00000022859 XP_041360854.1 77.3
260 59 0 1 260 10 269 9.00E-117 427.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022860 6596 1221.5 UdeM00000022860 XP_045193579.1 73.7
834 206 8 1 832 1 823 0.00E+00 1221.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022861 6596 248.8 UdeM00000022861 XP_045182165.1 29.6 578
367 17 1 547 1 569 2.20E-62 248.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022862 6596 248.8 UdeM00000022862 XP_045182165.1 29.4 578
368 17 1 547 1 569 2.20E-62 248.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022863 6596 66.6 UdeM00000022863 XP_045187556.1 32.2 115
75 2 50 162 5 118 9.00E-08 66.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022864 6596 73.6 UdeM00000022864 XP_045182165.1 30.4 168
106 5 4 166 11 172 3.00E-10 73.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022865 6596 218.4 UdeM00000022865 XP_045182165.1 28.8 577
357 20 4 541 11 572 2.40E-53 218.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022866 6579 469.9 UdeM00000022866 XP_033727031.1 80.8 318
56 1 1 318 1 313 2.50E-129 469.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022868 6596 88.6 UdeM00000022868 XP_045182573.1 46.6 118
48 5 138 242 137 252 1.20E-14 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022870 6573 134.8 UdeM00000022870 XP_021355487.1 67.9 109
29 2 1 109 1 103 6.60E-29 134.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022871 400727 198.4 UdeM00000022871 XP_025091176.1 58.3
278 100 4 14 285 1 268 1.30E-47 198.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000022872 7950 96.3 UdeM00000022872 XP_012672999.1 30.5 197
120 3 67 260 7 189 1.30E-16 96.3 7950 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Clupeinae;Clupea;Clupea harengus

UdeM00000022873 6579 199.1 UdeM00000022873 XP_033729790.1 43.5 237
133 1 10 245 17 253 1.00E-47 199.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022876 29159 136.7 UdeM00000022876 XP_034310977.1 61.1 113
44 0 167 279 61 173 4.40E-29 136.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022877 29159 183.3 UdeM00000022877 XP_034310776.1 44.7 304
144 4 134 413 82 385 6.10E-43 183.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022878 6596 151.8 UdeM00000022878 XP_045180816.1 49.7 163
77 2 6 163 161 323 8.00E-34 151.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022879 6596 1294.3 UdeM00000022879 XP_045180933.1 89.6
710 72 2 59 767 1 709 0.00E+00 1294.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022880 6596 1045.8 UdeM00000022880 XP_045181251.1 37.3
1791 904 30 10 1589 45 1827 6.40E-302 1045.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022882 6596 354 UdeM00000022882 XP_045181023.1 53 321
148 3 9 329 11 328 2.10E-94 354 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022885 6596 393.3 UdeM00000022885 XP_045181582.1 49.5 523
240 6 9 522 11 518 4.90E-106 393.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022886 6596 192.6 UdeM00000022886 XP_045181575.1 38.7 297
174 5 399 693 701 991 1.80E-45 192.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022887 6596 328.2 UdeM00000022887 XP_045181589.1 46.9 354
170 4 26 364 32 382 1.40E-86 328.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022888 6596 160.2 UdeM00000022888 XP_045181591.1 34.4 320
181 8 1 297 1 314 5.60E-36 160.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022889 6596 162.2 UdeM00000022889 XP_045181591.1 35.4 322
175 8 1 297 1 314 1.50E-36 162.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022890 6596 207.2 UdeM00000022890 XP_045181591.1 35.3 377
220 5 1 355 1 375 4.20E-50 207.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022891 6565 159.5 UdeM00000022891 XP_022329491.1 29.3 443
 255 10 1 398 1 430 9.50E-36 159.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022892 6596 184.1 UdeM00000022892 XP_045181593.1 50 192
 91 2 1 192 1 187 2.40E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022894 29159 100.1 UdeM00000022894 XP_034312231.1 46.9 162
 86 0 51 212 37 198 3.70E-18 100.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022896 6596 256.1 UdeM00000022896 XP_045187052.1 53.3 240
 107 3 2 240 145 380 5.70E-65 256.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022897 6596 65.5 UdeM00000022897 XP_045202346.1 34 106
 66 2 6 110 16 118 5.10E-08 65.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022900 6579 518.5 UdeM00000022900 XP_033762712.1 31.5 1148
 709 27 1 1115 360 1463 2.90E-143 518.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022904 6596 211.1 UdeM00000022904 XP_045163403.1 33.9 395
 230 11 2 390 365 734 2.70E-51 211.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022902 6565 247.3 UdeM00000022902 XP_022295732.1 32.3 505
 320 13 1 496 349 840 4.10E-62 247.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022903 6579 444.1 UdeM00000022903 XP_033762712.1 31 1011
 629 23 1 983 360 1329 4.60E-121 444.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022905 6596 82.8 UdeM00000022905 XP_045198663.1 23 269
 157 6 8 229 533 798 1.20E-12 82.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022907 6596 166.8 UdeM00000022907 XP_045162181.1 34.9 261
153 5 2 259 2265 2511 3.80E-38 166.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022908 6596 257.3 UdeM00000022908 XP_045174670.1 26.9 781
469 23 1 712 838 1585 7.80E-65 257.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022909 6596 63.2 UdeM00000022909 XP_045176787.1 31.6 98
66 1 7 103 7 104 2.50E-07 63.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022911 6579 491.9 UdeM00000022911 XP_033762712.1 30.5 1153
717 30 1 1117 360 1464 2.20E-135 491.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022912 6596 92 UdeM00000022912 XP_045174670.1 23.9 255
184 5 7 258 7 254 1.40E-15 92 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022913 6579 439.9 UdeM00000022913 XP_033762712.1 33.5 827
504 16 1 804 360 1163 7.20E-120 439.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022914 6596 82.8 UdeM00000022914 XP_045173060.1 35.8 134
57 3 1 108 145 275 3.20E-13 82.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022915 6596 87.4 UdeM00000022915 XP_045163403.1 35.8 176
102 5 92 261 1055 1225 3.10E-14 87.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022916 6596 78.6 UdeM00000022916 XP_045163400.1 25.2 246
160 6 19 264 1373 1594 2.60E-11 78.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022917 6596 677.9 UdeM00000022917 XP_045180310.1 65.6 529
 169 6 13 538 5 523 1.10E-191 677.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022918 6596 77.8 UdeM00000022918 XP_045181535.1 34 141
 90 3 7 145 8 147 2.60E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022919 6579 188.3 UdeM00000022919 XP_033726887.1 50.8 195
 92 2 4 197 15 206 1.00E-44 188.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022921 6596 174.1 UdeM00000022921 XP_045167442.1 41 183
 106 2 10 190 5 187 1.70E-40 174.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022922 7574 68.2 UdeM00000022922 XP_013397237.1 35.2 108
 61 4 16 121 16 116 8.80E-09 68.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000022923 6596 174.1 UdeM00000022923 XP_045167442.1 41 183
 106 2 10 190 5 187 1.70E-40 174.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022924 7574 68.2 UdeM00000022924 XP_013397237.1 35.2 108
 61 4 16 121 16 116 8.80E-09 68.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000022925 7574 59.7 UdeM00000022925 XP_013397228.1 31 116
 72 4 6 119 7 116 3.10E-06 59.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000022926 7574 67.8 UdeM00000022926 XP_013397237.1 35.2 108
 61 4 16 121 16 116 1.20E-08 67.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000022927 6596 70.1 UdeM00000022927 XP_045167442.1 42.3 71
 41 0 10 80 5 75 1.80E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022928 6596 252.3 UdeM00000022928 XP_045189084.1 32.8 530
295 11 3 523 1382 1859 1.40E-63 252.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022929 29159 98.6 UdeM00000022929 XP_034316342.1 34.4 154
93 3 2 155 20 165 8.50E-18 98.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022930 6565 125.9 UdeM00000022930 XP_022299602.1 45.9 135
71 2 39 173 2 134 6.20E-26 125.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022931 6596 273.5 UdeM00000022931 XP_045177776.1 35.7 479
261 9 2 472 436 875 6.20E-70 273.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022932 29159 105.1 UdeM00000022932 XP_034316342.1 37 154
89 3 193 346 20 165 1.90E-19 105.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022933 7741 608.6 UdeM00000022933 XP_019618826.1 57.5 506
214 1 1 505 47 552 7.20E-171 608.6 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000022936 6500 134.4 UdeM00000022936 XP_012938416.1 60.8 102
39 1 3 103 2 103 9.20E-29 134.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000022937 1735272 282.7 UdeM00000022937 XP_041361481.1 48.9
466 205 9 262 703 272 728 1.30E-72 282.7 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022938 1735272 247.3 UdeM00000022938 XP_041361481.1 56.5
216 90 2 135 348 515 728 3.20E-62 247.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022939 7719 87.4 UdeM00000022939 XP_026694037.1 24.2 500
298 27 182 629 1135 1605 9.30E-14 87.4 7719 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000022940 6573 93.6 UdeM00000022940 XP_021365717.1 28.9 225
139 10 437 650 140 354 1.30E-15 93.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022941 6573 93.6 UdeM00000022941 XP_021365717.1 28.5 239
138 12 14 243 150 364 4.70E-16 93.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022942 29159 60.8 UdeM00000022942 XP_034316237.1 27.2 158
110 4 10 164 22 177 1.80E-06 60.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022943 29159 61.2 UdeM00000022943 XP_034316237.1 27.1 166
113 6 10 170 22 184 1.50E-06 61.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022944 76194 70.9 UdeM00000022944 XP_013146412.1 31.3 115
64 3 272 371 185 299 4.10E-09 70.9 76194 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Papilionidae;Papilioninae;Papilionini;Papilio;Papilio polytes

UdeM00000022945 76194 70.9 UdeM00000022945 XP_013146412.1 31.3 115
64 3 262 361 185 299 4.00E-09 70.9 76194 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Papilionidae;Papilioninae;Papilionini;Papilio;Papilio polytes

UdeM00000022948 6573 69.3 UdeM00000022948 XP_021365717.1 33.9 118
72 4 129 245 179 291 7.70E-09 69.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022951 225164 79.7 UdeM00000022951 XP_009057862.1 25.6
219 143 6 251 454 30 243 1.00E-11 79.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000022952 1735272 78.6 UdeM00000022952 XP_041362144.1 32.7
159 97 5 4 154 19 175 1.60E-11 78.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022953 29159 63.9 UdeM00000022953 XP_034316237.1 25.5 208
 142 8 10 210 22 223 4.20E-07 63.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022954 29159 63.9 UdeM00000022954 XP_034316237.1 25.5 208
 142 8 10 210 22 223 3.40E-07 63.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022958 6596 67.8 UdeM00000022958 XP_045206350.1 31.1 119
 75 4 134 245 186 304 2.20E-08 67.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022961 225164 79.3 UdeM00000022961 XP_009057862.1 25.6
 219 143 6 251 454 30 243 1.40E-11 79.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000022965 6573 88.6 UdeM00000022965 XP_021365717.1 31.6 174
 100 8 11 177 186 347 1.90E-14 88.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022966 6573 124.8 UdeM00000022966 XP_021365717.1 28.1 370
 230 15 8 368 5 347 3.90E-25 124.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022967 6573 124.8 UdeM00000022967 XP_021365717.1 28.1 370
 230 15 8 368 5 347 3.80E-25 124.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022968 6596 402.5 UdeM00000022968 XP_045182552.1 82.2 242
 43 0 1 242 97 338 3.80E-109 402.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022969 225164 382.5 UdeM00000022969 XP_009045886.1 91.1
 257 23 0 1 257 1 257 4.30E-103 382.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000022970 6596 351.7 UdeM00000022970 XP_045180975.1 63.3 278
 95 1 6 276 7 284 8.90E-94 351.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022971 6579 174.9 UdeM00000022971 XP_033727723.1 58.1 148
 62 0 2 149 24 171 8.00E-41 174.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022972 6596 124 UdeM00000022972 XP_045190732.1 34.9 166
 99 4 8 166 64 227 1.80E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022973 6565 530.4 UdeM00000022973 XP_022313181.1 55.3 477
 201 4 137 611 60 526 3.00E-147 530.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022974 6579 762.7 UdeM00000022974 XP_033726599.1 34.6 1530
 692 32 1 1320 4 1435 8.60E-217 762.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022975 6596 452.6 UdeM00000022975 XP_045183049.1 70.6 310
 91 0 1 310 1 310 4.10E-124 452.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022976 6596 429.1 UdeM00000022976 XP_045183049.1 74 281
 73 0 1 281 1 281 4.30E-117 429.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022977 6579 367.1 UdeM00000022977 XP_033726505.1 93.9 179
 11 0 1 179 1 179 1.30E-98 367.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022979 7574 455.3 UdeM00000022979 XP_023932112.1 48.7 454
 228 4 353 804 1 451 1.90E-124 455.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000022982 6596 407.9 UdeM00000022982 XP_045177779.1 35.1 726
 384 14 1 724 97 737 3.50E-110 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022983 29159 83.6 UdeM00000022983 XP_034334762.1 42.7 96
 55 0 15 110 808 903 2.50E-13 83.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000022984 29159 116.3 UdeM00000022984 XP_034322504.1 40.2 179
72 6 3 154 2 172 3.80E-23 116.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000022985 6596 329.7 UdeM00000022985 XP_045189084.1 34.1 625
315 12 9 621 1343 1882 1.10E-86 329.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022986 6596 288.1 UdeM00000022986 XP_045181294.1 56.1 269
79 2 23 290 659 889 1.30E-74 288.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039637 6573 251.1 UdeM00000039637 XP_021349313.1 40.1 297
171 2 2 295 3 295 1.80E-63 251.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000039638 6945 237.7 UdeM00000039638 XP_002434331.1 74.1 147
37 1 1 147 1 146 9.80E-60 237.7 6945 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
UdeM00000039639 6579 759.6 UdeM00000039639 XP_033741571.1 50.1 920
393 23 9 902 1 880 4.60E-216 759.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000039640 1437191 142.9 UdeM00000039640 XP_029054816.1 43.8
162 88 2 1 159 302 463 3.50E-31 142.9 1437191
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
eata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia bicornis;Osmia
bicornis bicornis
UdeM00000039641 7574 248.8 UdeM00000039641 XP_013381923.1 74.4 160
41 0 1 160 1 160 4.60E-63 248.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000039642 400727 208.4 UdeM00000039642 XP_025075930.1 46.2
240 125 2 27 263 62 300 1.20E-50 208.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039643 1735272 237.3 UdeM00000039643 XP_041363109.1 40
 305 177 3 31 331 34 336 3.10E-59 237.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039644 6596 365.9 UdeM00000039644 XP_045213990.1 57.5 301
 126 1 5 305 8 306 4.90E-98 365.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039645 6596 112.5 UdeM00000039645 XP_045191033.1 36.2 218
 119 5 12 222 91 295 7.10E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039646 6596 108.6 UdeM00000039646 XP_045211142.1 44.1 145
 72 3 53 190 161 303 8.80E-21 108.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039647 6596 112.1 UdeM00000039647 XP_045211142.1 44.8 145
 71 3 53 190 161 303 8.00E-22 112.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039648 6596 110.2 UdeM00000039648 XP_045211142.1 43.5 147
 74 3 9 148 159 303 2.40E-21 110.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039649 6596 118.2 UdeM00000039649 XP_045213612.1 71.4 77
 22 0 4 80 7 83 4.70E-24 118.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039650 6596 911.4 UdeM00000039650 XP_045213612.1 76.1 599
 137 1 32 630 108 700 9.50E-262 911.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039651 6596 2017.7 UdeM00000039651 XP_045213612.1 60.6
 2049 614 30 18 2012 741 2650 0.00E+00 2017.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039652 6573 563.9 UdeM00000039652 XP_021361598.1 59.9 439
170 3 2 435 27 464 1.80E-157 563.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039653 1735272 315.5 UdeM00000039653 XP_041362600.1 55.6
277 121 1 6 282 3 277 7.10E-83 315.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039654 6596 609.4 UdeM00000039654 XP_045212387.1 56.1 522
224 2 1 521 1 518 4.40E-171 609.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039655 6573 130.6 UdeM00000039655 XP_021343095.1 63.9 122
32 5 1 111 1 121 1.30E-27 130.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039656 6596 2175.2 UdeM00000039656 XP_045211620.1 64.8
2936 815 49 2 2827 1 2828 0.00E+00 2175.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039657 6596 2181 UdeM00000039657 XP_045211620.1 64.9 2936
816 48 2 2829 1 2828 0.00E+00 2181 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039658 6596 502.3 UdeM00000039658 XP_045211629.1 73.2 336
89 1 1 336 1 335 4.80E-139 502.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000039659 6573 1056.2 UdeM00000039659 XP_021355239.1 76.1
683 158 3 1 683 1 678 2.10E-305 1056.2 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039660 6573 680.6 UdeM00000039660 XP_021355237.1 67.9 467
142 2 5 471 4 462 1.50E-192 680.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039661 6573 216.1 UdeM00000039661 XP_021355237.1 71.4 133
 38 0 5 137 4 136 2.80E-53 216.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039662 6596 538.5 UdeM00000039662 XP_045213596.1 61.6 404
 153 2 44 447 43 444 8.10E-150 538.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039663 6573 127.9 UdeM00000039663 XP_021353616.1 34.8 250
 135 8 12 236 1251 1497 1.80E-26 127.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039664 400727 398.7 UdeM00000039664 XP_025085573.1 43.6
 482 244 11 50 523 38 499 1.20E-107 398.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000039665 400727 403.7 UdeM00000039665 XP_025085573.1 44.7
 470 242 10 50 509 38 499 3.70E-109 403.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000039666 151771 158.7 UdeM00000039666 XP_028399635.1 34
 253 115 4 35 236 839 1090 9.20E-36 158.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000039667 6579 427.2 UdeM00000039667 XP_033749044.1 59.7 347
 136 1 9 351 7 353 2.30E-116 427.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039669 6573 697.6 UdeM00000039669 XP_021357487.1 84.3 394
 62 0 7 400 2 395 9.50E-198 697.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039668 6573 699.1 UdeM00000039668 XP_021357487.1 84.3 395
 62 0 1 395 1 395 3.20E-198 699.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039670 1735272 183.7 UdeM00000039670 XP_041363370.1 57.9
 140 57 1 14 151 15 154 1.90E-43 183.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000039671 6579 196.4 UdeM00000039671 XP_033735211.1 86.4 110
 10 1 1 110 1 105 1.90E-47 196.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000039672 6596 827.4 UdeM00000039672 XP_045210568.1 49.7 861
 411 6 9 855 3 855 1.70E-236 827.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000039673 6596 410.6 UdeM00000039673 XP_045213918.1 48.1 478
 230 9 1 467 68 538 2.70E-111 410.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000039674 2607531 149.8 UdeM00000039674 XP_029639050.1 58.5
 118 49 0 29 146 25 142 2.70E-33 149.8 2607531
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct-
 opoda; Incirrata; Octopodidae; Octopus; Octopus sinensis

UdeM00000041158 6596 276.6 UdeM00000041158 XP_045187579.1 48.1 314
 157 5 141 451 117 427 6.00E-71 276.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000041159 6573 1420.2 UdeM00000041159 XP_021353017.1 42
 1932 1047 29 30 1933 100 1985 0.00E+00 1420.2 6573
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000041161 7757 75.9 UdeM00000041161 XP_032835197.1 64.9 57
 19 1 2 58 149 204 6.00E-11 75.9 7757 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Chordata; Craniata; Vertebrata; Cyclostomata; Hyperoartia; Petromyzontiforme-
 s; Petromyzontidae; Petromyzon; Petromyzon marinus

UdeM00000041162 6596 1543.1 UdeM00000041162 XP_045184130.1 58.1
 1493 538 27 1 1469 20 1448 0.00E+00 1543.1 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000041163 6596 651 UdeM00000041163 XP_045177992.1 50.2 648
 277 10 7 623 282 914 1.60E-183 651 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000041164 6596 551.6 UdeM00000041164 XP_045184193.1 70.8 442
 115 6 1 440 1 430 9.10E-154 551.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041165 6573 117.5 UdeM00000041165 XP_021375410.1 26.9 290
 173 5 29 299 188 457 3.10E-23 117.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041166 225164 153.3 UdeM00000041166 XP_009055819.1 32
 297 178 6 14 310 170 442 5.30E-34 153.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000041167 29159 146.7 UdeM00000041167 XP_034315421.1 39.9 238
 113 5 12 223 230 463 3.40E-32 146.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041168 6573 159.5 UdeM00000041168 XP_021375410.1 33.3 291
 172 5 70 359 188 457 8.50E-36 159.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041169 6573 149.1 UdeM00000041169 XP_021375410.1 34.2 278
 161 6 28 304 188 444 1.00E-32 149.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041170 6573 157.9 UdeM00000041170 XP_021375410.1 35.1 291
 164 7 22 308 188 457 2.10E-35 157.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041171 29159 171.8 UdeM00000041171 XP_034315421.1 45.1 237
 122 4 12 243 230 463 1.10E-39 171.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041173 6573 100.1 UdeM00000041173 XP_021375410.1 27.2 272
 128 3 28 231 188 457 4.00E-18 100.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041174 6573 151 UdeM00000041174 XP_021375410.1 31.7 303
 173 4 28 329 188 457 2.80E-33 151 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041175 29159 110.9 UdeM00000041175 XP_034315421.1 35.1 225
 87 5 12 181 230 450 1.70E-21 110.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041176 6573 97.8 UdeM00000041176 XP_021375410.1 26.8 272
 129 3 29 232 188 457 2.00E-17 97.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041177 6565 77.8 UdeM00000041177 XP_022299023.1 51.5 68
 33 0 32 99 151 218 8.70E-12 77.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041178 6573 150.6 UdeM00000041178 XP_021375410.1 32.3 303
 171 6 30 331 188 457 3.70E-33 150.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041179 29159 86.3 UdeM00000041179 XP_034315421.1 52.6 95
 40 2 65 155 370 463 3.80E-14 86.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041180 6573 155.6 UdeM00000041180 XP_021375410.1 33.8 302
 177 7 11 311 178 457 1.10E-34 155.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041181 8255 74.3 UdeM00000041181 XP_019935337.1 48.4 62
 24 1 29 90 63 116 9.10E-11 74.3 8255 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Pleuronectiformes;Pl
 euronectoidei;Paralichthyidae;Paralichthys;Paralichthys olivaceus
 UdeM00000041183 46514 165.6 UdeM00000041183 XP_038071378.1 43.5 170
 92 1 42 207 207 376 6.60E-38 165.6 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000041184 13397 85.9 UdeM00000041184 XP_041035287.1 32.6 144
 91 3 19 156 420 563 5.10E-14 85.9 13397 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
 don;Carcharodon carcharias
 UdeM00000041186 6579 125.6 UdeM00000041186 XP_033734392.1 27.6 340
 227 7 27 351 78 413 1.30E-25 125.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041187 6596 119.4 UdeM00000041187 XP_045186922.1 30.7 322
 186 12 200 496 153 462 2.50E-23 119.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041188 6573 617.8 UdeM00000041188 XP_021363339.1 48.9 710
 359 3 1 709 1 707 1.70E-173 617.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041189 6596 184.1 UdeM00000041189 XP_045168544.1 61.4 145
 51 1 2 141 7 151 1.40E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041191 6596 95.9 UdeM00000041191 XP_045168544.1 41.9 136
 67 5 28 153 181 314 4.90E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041192 6596 616.3 UdeM00000041192 XP_045168598.1 38.3 1417
 627 44 9 1323 316 1587 9.00E-173 616.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041193 6596 598.2 UdeM00000041193 XP_045168598.1 39.4 1317
 557 42 84 1303 415 1587 2.50E-167 598.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041194 6596 143.7 UdeM00000041194 XP_045168648.1 40.7 209
 95 4 1 209 1 180 2.70E-31 143.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041195 6596 337.4 UdeM00000041195 XP_045186415.1 64.4 239
 84 1 142 379 56 294 2.30E-89 337.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041196 29159 400.2 UdeM00000041196 XP_019930469.2 39.8 495
 293 2 13 507 3 492 4.50E-108 400.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041197 29159 395.2 UdeM00000041197 XP_019930469.2 39.6 498
 293 3 13 510 3 492 1.40E-106 395.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041198 6596 355.1 UdeM00000041198 XP_045173727.1 65.4 321
73 8 121 420 128 431 1.20E-94 355.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000041199 6596 118.6 UdeM00000041199 XP_045173713.1 51.5 132
56 2 8 139 610 733 6.30E-24 118.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000041200 29159 139.4 UdeM00000041200 XP_011413447.2 36.9 263
152 5 216 474 307 559 1.20E-29 139.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000041201 6565 106.3 UdeM00000041201 XP_022331164.1 47.3 129
67 1 11 139 18 145 3.40E-20 106.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041203 6596 164.1 UdeM00000041203 XP_045170414.1 44.1 238
116 6 19 253 36 259 2.40E-37 164.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000041204 6596 341.3 UdeM00000041204 XP_045187482.1 50.2 400
159 7 6 373 9 400 1.60E-90 341.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000041207 6565 164.9 UdeM00000041207 XP_022328873.1 67.7 124
37 2 99 221 27 148 1.70E-37 164.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041208 6596 179.5 UdeM00000041208 XP_045187288.1 83.1 118
18 2 86 201 100 217 6.60E-42 179.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000041209 6565 136.3 UdeM00000041209 XP_022328873.1 53.6 138
64 0 73 210 11 148 6.10E-29 136.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041211 6596 335.1 UdeM00000041211 XP_045159215.1 49.4 328
 161 4 1 326 12 336 1.00E-88 335.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041212 6596 324.3 UdeM00000041212 XP_045216295.1 36.9 580
 325 16 26 591 29 581 3.60E-85 324.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041214 29159 326.2 UdeM00000041214 XP_011451803.1 69.5 305
 58 9 1 299 1 276 5.40E-86 326.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041215 29159 1275 UdeM00000041215 XP_011451785.2 72.1 868
 226 5 1 862 1 858 0.00E+00 1275 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041216 6596 1000.3 UdeM00000041216 XP_045174921.1 70.2
 682 201 2 1 680 1 682 1.20E-288 1000.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041217 6565 248.4 UdeM00000041217 XP_022328705.1 67.4 334
 100 6 1 328 8 338 1.20E-62 248.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041218 6596 196.1 UdeM00000041218 XP_045174909.1 52.3 266
 91 7 1 244 21 272 7.30E-47 196.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041219 6596 194.1 UdeM00000041219 XP_045174909.1 52.5 257
 89 6 4 238 27 272 2.70E-46 194.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041220 29159 150.6 UdeM00000041220 XP_011445167.1 50 144
 68 1 3 146 9 148 1.60E-33 150.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041221 6573 355.5 UdeM00000041221 XP_021342061.1 59.8 328
 119 6 1 320 12 334 7.00E-95 355.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000041222 6573 71.6 UdeM00000041222 XP_021380265.1 56.9 65
26 1 91 153 590 654 1.00E-09 71.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000041223 6596 449.9 UdeM00000041223 XP_045173782.1 46 502
258 6 2 496 5 500 4.20E-123 449.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041224 6596 1273.8 UdeM00000041224 XP_045186908.1 80.8
817 156 1 51 866 43 859 0.00E+00 1273.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041226 6579 177.9 UdeM00000041226 XP_033735752.1 59 144
52 2 91 232 16 154 2.00E-41 177.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000041227 6565 350.9 UdeM00000041227 XP_022333709.1 47.9 378
193 2 6 382 4 378 2.10E-93 350.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000041228 94885 82.8 UdeM00000041228 XP_034293971.1 52.8 72
34 0 7 78 14 85 2.40E-13 82.8 94885 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Serpentes;Colubroidea;Colubridae;Colubrinae;Pantherophis;Pantherophis guttatus
UdeM00000041230 6579 623.2 UdeM00000041230 XP_033734560.1 71.9 430
110 4 4 431 3 423 2.40E-175 623.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000041231 6596 221.5 UdeM00000041231 XP_045160681.1 62 163
61 1 64 225 50 212 1.40E-54 221.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000041233 6596 104.8 UdeM00000041233 XP_045186915.1 54.4 79
36 0 499 577 339 417 3.90E-19 104.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041234 37653 136 UdeM00000041234 XP_014778962.1 34.2 345
 184 13 204 527 610 932 1.40E-28 136 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000041235 6573 134.4 UdeM00000041235 XP_021339352.1 32.3 458
 234 17 110 546 531 933 4.30E-28 134.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041237 6596 200.3 UdeM00000041237 XP_045165648.1 62.5 160
 59 1 1 160 208 366 1.90E-48 200.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041236 1735272 407.9 UdeM00000041236 XP_041353055.1 69.4
 301 85 5 18 312 47 346 1.20E-110 407.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041238 6596 96.7 UdeM00000041238 XP_045165648.1 58.3 72
 30 0 1 72 1 72 1.30E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041239 1529436 73.6 UdeM00000041239 XP_033106553.1 28
 218 129 5 142 359 211 400 6.10E-10 73.6 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000041240 6579 518.5 UdeM00000041240 XP_033743002.1 52.6 464
 213 2 112 574 10 467 1.20E-143 518.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041241 6579 519.2 UdeM00000041241 XP_033743002.1 53 460
 213 2 112 570 10 467 6.80E-144 519.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041242 6596 508.1 UdeM00000041242 XP_045165977.1 77.5 338
 72 3 13 346 4 341 9.40E-141 508.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041245 6596 314.7 UdeM00000041245 XP_045158537.1 48.3 315
 161 1 1 315 1 313 1.30E-82 314.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041246 6596 200.7 UdeM00000041246 XP_045157051.1 79.2 120
 25 0 1 120 1 120 1.10E-48 200.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041247 6596 402.9 UdeM00000041247 XP_045187335.1 53.6 485
 199 14 1 464 3 482 5.70E-109 402.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041248 6596 73.2 UdeM00000041248 XP_045167339.1 35.6 135
 70 2 39 173 66 183 3.80E-10 73.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041249 6596 677.2 UdeM00000041249 XP_045167339.1 63.9 529
 178 5 2 519 564 1090 1.70E-191 677.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041250 29159 99 UdeM00000041250 XP_011450374.2 38.1 336
 174 4 1 310 1 328 1.20E-17 99 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041251 2607531 369.8 UdeM00000041251 XP_036363021.1 93.9
 213 11 1 1 213 15 225 2.40E-99 369.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000041252 6596 220.7 UdeM00000041252 XP_045206235.1 31.6 563
 297 12 1 523 1 515 7.20E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041253 578455 74.3 UdeM00000041253 XP_003654751.1 31.4
 118 75 2 9 120 21 138 1.60E-10 74.3 578455
 cellular
 organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Ascomycota;saccharomyceta;
 Pezizomycotina;leotiomyceta;sordariomyceta;Sordariomycetes;Sordariomyceti
 dae;Sordariales;Chaetomiaceae;Thermothielavioides;Thermothielavioides
 terrestris;Thermothielavioides terrestris NRRL 8126
 UdeM00000041254 6596 222.6 UdeM00000041254 XP_045206235.1 30.4 586
 331 11 1 553 1 542 1.90E-54 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000041256 50954 91.3 UdeM00000041256 XP_037367380.1 35.6 135
 85 2 4 137 13 146 1.10E-15 91.3 50954 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Laurasiatheria;Eulipotyphla;Talpidae;Talpa;Talpa occidentalis
 UdeM00000041255 1257118 97.1 UdeM00000041255 XP_004336073.1 33.6
 149 97 2 1 148 1 148 2.10E-17 97.1 1257118
 cellular
 organisms;Eukaryota;Amoebozoa;Discosea;Longamoebia;Centramoebida;Acanthamoebidae;Acanthamoeba;Acanthamoeba castellanii;Acanthamoeba castellanii str. Neff
 UdeM00000041258 6596 236.1 UdeM00000041258 XP_045206235.1 31.9 551
 314 9 1 525 1 516 1.60E-58 236.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000041259 50954 87.4 UdeM00000041259 XP_037367380.1 34.8 135
 86 2 4 137 13 146 1.60E-14 87.4 50954 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Laurasiatheria;Eulipotyphla;Talpidae;Talpa;Talpa occidentalis
 UdeM00000041260 578455 82 UdeM00000041260 XP_003654751.1 37
 119 74 1 4 122 21 138 7.60E-13 82 578455
 cellular
 organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Ascomycota;saccharomyceta;Pezizomycotina;leotiomyceta;sordariomyceta;Sordariomycetes;Sordariomycetidae;Sordariales;Chaetomiaceae;Thermothielavioides;Thermothielavioides terrestris;Thermothielavioides terrestris NRRL 8126
 UdeM00000041261 6596 225.3 UdeM00000041261 XP_045198257.1 37.8 288
 177 1 2 289 122 407 2.30E-55 225.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000041262 6596 325.5 UdeM00000041262 XP_045213058.1 31.7 672
 405 22 10 645 44 697 1.80E-85 325.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000041263 6596 323.9 UdeM00000041263 XP_045213058.1 31.5 673
 407 22 10 647 44 697 5.20E-85 323.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041264 6596 301.2 UdeM00000041264 XP_045198257.1 38 413
 241 5 6 407 10 418 3.30E-78 301.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041264 6596 77.8 UdeM00000041264 XP_045198257.1 25.4 177
 93 3 536 673 834 1010 6.00E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041265 6596 213 UdeM00000041265 XP_045198257.1 29.8 526
 238 13 19 428 1057 1567 8.50E-52 213 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041266 6596 322.8 UdeM00000041266 XP_045198257.1 33.3 517
 328 8 1 508 12 520 7.90E-85 322.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041267 6596 453 UdeM00000041267 XP_045198257.1 32.8 827
 486 22 41 819 745 1549 8.30E-124 453 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041268 6526 128.3 UdeM00000041268 NP_001298190.1 83.2 119
 15 1 1 119 1 114 6.70E-27 128.3 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata

UdeM00000041269 6596 174.1 UdeM00000041269 XP_045183563.1 39.9 233
 130 4 371 595 37 267 5.30E-40 174.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041270 6579 354.8 UdeM00000041270 XP_033728194.1 39.4 515
 293 8 169 668 98 608 2.50E-94 354.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041271 6596 161.8 UdeM00000041271 XP_045213047.1 33.3 273
 168 6 10 274 245 511 1.30E-36 161.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041272 6596 101.7 UdeM00000041272 XP_045213047.1 24.8 327
 169 6 25 278 829 1151 1.60E-18 101.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041273 6596 140.6 UdeM00000041273 XP_045198257.1 35.9 206
 130 2 10 214 1219 1423 2.40E-30 140.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041274 6596 321.6 UdeM00000041274 XP_045183563.1 34.9 519
 313 12 25 526 37 547 2.10E-84 321.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041275 6596 232.6 UdeM00000041275 XP_045198256.1 35.2 375
 220 11 3 361 127 494 9.20E-58 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041276 6596 209.9 UdeM00000041276 XP_045198257.1 36.3 339
 201 10 10 341 1219 1549 5.20E-51 209.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002822 1735272 79 UdeM00000002822 XP_041372719.1 32
 194 117 5 16 207 28 208 8.60E-12 79 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002823 6596 310.1 UdeM00000002823 XP_045209241.1 34.4 608
 360 22 100 681 86 680 7.30E-81 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002824 6596 149.8 UdeM00000002824 XP_045215232.1 49.7 179
 86 3 128 304 224 400 6.40E-33 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002825 6579 60.1 UdeM00000002825 XP_033744326.1 44.3 79
 42 1 4 80 8 86 1.80E-06 60.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002826 6596 85.1 UdeM00000002826 XP_045208696.1 33.8 213
 116 8 65 272 198 390 1.50E-13 85.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002827 1735272 63.9 UdeM00000002827 XP_041355798.1 32.4
 105 70 1 20 124 52 155 2.20E-07 63.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002828 1735272 95.9 UdeM00000002828 XP_041355798.1 35.4
 144 91 2 20 163 52 193 5.10E-17 95.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002829 6526 85.1 UdeM00000002829 XP_013062038.1 33.9 121
 78 1 12 132 567 685 7.70E-14 85.1 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000002831 7574 171 UdeM00000002831 XP_013399039.1 59.2 142
 53 1 3 144 4 140 1.10E-39 171 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002832 7574 330.9 UdeM00000002832 XP_013384628.1 77.7 197
 44 0 50 246 364 560 1.40E-87 330.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002833 7574 258.8 UdeM00000002833 XP_013382110.1 52.4 206
 93 2 2 204 413 616 5.70E-66 258.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002834 7574 212.2 UdeM00000002834 XP_013382110.1 41.7 276
 102 3 1 227 38 303 6.90E-52 212.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002835 29159 71.6 UdeM00000002835 XP_034303602.1 24.9 418
 247 14 4 391 371 751 2.40E-09 71.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002836 6565 105.5 UdeM00000002836 XP_022329522.1 70.7 75
 22 0 1 75 150 224 7.40E-20 105.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002839 6565 82.4 UdeM00000002839 XP_022299602.1 40.6 106
 61 2 89 193 2 106 7.90E-13 82.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002840 29159 120.2 UdeM00000002840 XP_011451530.1 48.4 122
 60 2 100 218 74 195 3.50E-24 120.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002841 29159 64.7 UdeM00000002841 XP_034329354.1 55.6 54
 23 1 16 68 190 243 5.40E-08 64.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002842 29159 87.4 UdeM00000002842 XP_034318141.1 43.8 121
 59 3 1 112 2 122 2.50E-14 87.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002844 1735272 109 UdeM00000002844 XP_041379412.1 37
 162 98 2 15 175 11 169 1.50E-20 109 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002849 7574 100.1 UdeM00000002849 XP_013388573.1 41.5 147
 84 1 1 147 795 939 2.50E-18 100.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002850 7574 143.7 UdeM00000002850 XP_013388573.1 48.3 145
 71 2 68 209 603 746 2.70E-31 143.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002852 6596 97.8 UdeM00000002852 XP_045185384.1 48.8 86
 43 1 12 97 64 148 9.50E-18 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002854 225164 100.5 UdeM00000002854 XP_009054122.1 33.5
 206 123 8 113 316 96 289 6.20E-18 100.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000002855 6596 99.4 UdeM00000002855 XP_045209446.1 28.4 232
 158 5 81 307 92 320 8.60E-18 99.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002856 10224 71.6 UdeM00000002856 XP_006819348.1 42.3 78
 45 0 55 132 369 446 8.50E-10 71.6 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000002857 29159 69.7 UdeM00000002857 XP_034315954.1 55.2 58
 26 0 22 79 104 161 2.10E-09 69.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002858 6565 88.6 UdeM00000002858 XP_022298030.1 55.8 77
 32 1 20 96 93 167 5.00E-15 88.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002859 6565 106.3 UdeM00000002859 XP_022297037.1 37.8 164
 95 3 6 164 11 172 3.90E-20 106.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002860 6579 164.9 UdeM00000002860 XP_033758289.1 30 434
 251 20 57 470 268 668 3.60E-37 164.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002863 6573 113.2 UdeM00000002863 XP_021372933.1 26.7 386
 237 15 224 593 381 736 1.20E-21 113.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002864 6596 366.7 UdeM00000002864 XP_045166352.1 49.3 359
 167 7 18 370 8 357 3.50E-98 366.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002865 6596 330.5 UdeM00000002865 XP_045166352.1 55.3 266
 113 3 1 264 96 357 2.00E-87 330.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002866 6596 333.2 UdeM00000002866 XP_045166352.1 55.6 266
 112 3 1 264 96 357 3.10E-88 333.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002867 6596 300.8 UdeM00000002867 XP_045166352.1 49.8 287
 131 5 26 308 6 283 2.00E-78 300.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002868 29159 63.2 UdeM00000002868 XP_034330386.1 48.2 85
 30 2 1 71 133 217 4.20E-07 63.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002869 6596 369 UdeM00000002869 XP_045166352.1 50.3 332
 153 5 48 376 35 357 7.30E-99 369 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002870 29159 111.3 UdeM00000002870 XP_011453427.2 28.5 270
 155 7 2 265 3 240 9.20E-21 111.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002871 29159 111.3 UdeM00000002871 XP_011453427.2 28.5 270
 155 7 2 265 3 240 9.90E-21 111.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002872 225164 128.6 UdeM00000002872 XP_009050902.1 66.3
 98 32 1 1 98 1 97 5.50E-27 128.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000002873 6573 310.1 UdeM00000002873 XP_021357993.1 86.3 182
 25 0 188 369 87 268 4.90E-81 310.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002874 6573 652.9 UdeM00000002874 XP_021343943.1 55.3 600
 249 6 1 587 1 594 3.90E-184 652.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002875 1735272 473.8 UdeM00000002875 XP_041375472.1 57.2
 495 107 3 115 504 144 638 2.90E-130 473.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002876 6596 164.9 UdeM00000002876 XP_045192509.1 49.4 164
 80 2 5 165 6 169 9.90E-38 164.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002877 6596 622.9 UdeM00000002877 XP_045206084.1 37.6 947
 544 24 17 939 63 986 1.10E-174 622.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002878 6596 107.5 UdeM00000002878 XP_045191829.1 74.6 67
17 0 34 100 429 495 1.00E-20 107.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002879 6596 623.6 UdeM00000002879 XP_045191829.1 67 439
140 3 1 437 1 436 1.90E-175 623.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002880 6596 604.7 UdeM00000002880 XP_045191829.1 61.4 479
140 4 1 477 1 436 9.90E-170 604.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002881 6596 304.3 UdeM00000002881 XP_045191831.1 55.4 267
113 2 1 266 1 262 1.50E-79 304.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002882 6596 657.1 UdeM00000002882 XP_045193633.1 55.7 582
252 4 6 583 5 584 2.00E-185 657.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002883 6596 148.3 UdeM00000002883 XP_045194208.1 55.7 122
53 1 53 173 35 156 1.00E-32 148.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002884 6596 879.8 UdeM00000002884 XP_045194209.1 66.7 661
215 3 1 660 216 872 2.20E-252 879.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002885 225164 270.4 UdeM00000002885 XP_009061432.1 49
255 127 1 2 256 5 256 2.40E-69 270.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000002886 6596 785.8 UdeM00000002886 XP_045194206.1 69.9 565
155 5 1 552 194 756 3.60E-224 785.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002887 29159 279.3 UdeM00000002887 XP_011451053.1 78.2 165
 36 0 1 165 1 165 3.40E-72 279.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002888 6596 229.6 UdeM00000002888 XP_045191523.1 55.7 201
 83 2 63 263 39 233 4.70E-57 229.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002889 6573 1676.8 UdeM00000002889 XP_021379287.1 63.9
 1326 425 15 6 1289 5 1318 0.00E+00 1676.8 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002890 6579 247.3 UdeM00000002890 XP_033754816.1 82.1 140
 25 0 1 140 1192 1331 1.20E-62 247.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002891 6596 78.6 UdeM00000002891 XP_045198152.1 34.3 169
 94 4 1 163 1 158 1.10E-11 78.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002892 6596 110.5 UdeM00000002892 XP_045198152.1 38.3 167
 92 3 1 164 1 159 2.70E-21 110.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002893 6596 422.2 UdeM00000002893 XP_045193152.1 63.6 316
 106 2 2 308 3 318 8.30E-115 422.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002894 6596 415.2 UdeM00000002894 XP_045193152.1 62.6 321
 106 3 2 313 3 318 1.00E-112 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002895 6596 148.7 UdeM00000002895 XP_045192752.1 58.7 126
 51 1 1 126 48 172 5.20E-33 148.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002896 6596 143.3 UdeM00000002896 XP_045192828.1 66.7 102
 34 0 18 119 17 118 2.00E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002897 1735272 466.1 UdeM00000002897 XP_041376031.1 64.8
 344 114 3 29 371 30 367 4.20E-128 466.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002898 6579 211.5 UdeM00000002898 XP_033754413.1 43.8 381
 167 11 1 379 1 336 2.10E-51 211.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002899 29159 137.9 UdeM00000002899 XP_011442483.2 36.1 368
 184 10 1 342 62 404 2.50E-29 137.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002900 6596 548.5 UdeM00000002900 XP_045192835.1 65.7 414
 120 3 1 412 62 455 7.20E-153 548.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002901 1203425 360.5 UdeM00000002901 XP_034536293.1 67.7
 263 83 1 4 266 3 263 1.80E-96 360.5 1203425
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Labriformes;Labridae
 ;Notolabrus;Notolabrus celidotus
 UdeM00000002902 6579 158.3 UdeM00000002902 XP_033754617.1 41.6 250
 129 9 4 249 3 239 2.20E-35 158.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002903 29159 157.9 UdeM00000002903 XP_011446220.2 51.4 148
 71 1 6 152 9 156 1.00E-35 157.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002904 29159 110.5 UdeM00000002904 XP_034305965.1 33 191
 114 3 6 196 6 182 2.90E-21 110.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002906 29159 157.1 UdeM00000002906 XP_034311318.1 56.5 131
 55 2 1 130 256 385 1.60E-35 157.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002905 29159 159.1 UdeM00000002905 XP_034311318.1 55.9 136
58 2 1 135 256 390 5.10E-36 159.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002907 7739 82.8 UdeM00000002907 XP_035699508.1 33 182
102 5 6 172 657 833 7.00E-13 82.8 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
UdeM00000002908 7739 160.2 UdeM00000002908 XP_035657529.1 55 151
62 4 7 152 6 155 2.00E-36 160.2 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
UdeM00000002909 6596 417.5 UdeM00000002909 XP_045191993.1 45.5 426
189 4 244 628 193 616 3.00E-113 417.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002910 6596 412.5 UdeM00000002910 XP_045191993.1 45.2 429
189 5 244 631 193 616 9.80E-112 412.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002911 6596 170.2 UdeM00000002911 XP_045191993.1 31.4 287
155 6 3 248 669 954 3.20E-39 170.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002912 6596 379.8 UdeM00000002912 XP_045193490.1 50.9 330
159 1 4 333 3 329 3.60E-102 379.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002913 29159 536.2 UdeM00000002913 XP_034336340.1 49.8 498
246 3 7 501 2 498 4.50E-149 536.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002914 6573 65.9 UdeM00000002914 XP_021366930.1 31.9 113
73 2 7 118 18 127 5.80E-08 65.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000002915 6596 265.4 UdeM00000002915 XP_045160746.1 42.2 384
111 5 38 312 5 386 9.30E-68 265.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002916 6596 164.5 UdeM00000002916 XP_045194605.1 37.1 224
129 4 71 292 1 214 2.20E-37 164.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002917 6573 125.2 UdeM00000002917 XP_021363943.1 52.6 116
52 1 3 115 258 373 5.50E-26 125.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002918 6596 433 UdeM00000002918 XP_045160746.1 58.9 382
137 3 38 399 5 386 4.30E-118 433 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002919 6596 423.3 UdeM00000002919 XP_045160746.1 57.7 381
141 3 43 403 6 386 3.40E-115 423.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002920 6579 83.2 UdeM00000002920 XP_033754270.1 63.9 72
26 0 1 72 1 72 1.60E-13 83.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002925 6596 586.6 UdeM00000002925 XP_045192301.1 58.9 482
191 5 11 486 7 487 2.90E-164 586.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002926 400727 99 UdeM00000002926 XP_025115955.1 56.6
83 36 0 1 83 1 83 3.30E-18 99 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000002927 1735272 572 UdeM00000002927 XP_041376506.1 63.7
408 146 1 27 434 51 456 6.40E-160 572 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002928 6596 337.8 UdeM00000002928 XP_045192252.1 43.6 555
243 18 1 539 517 1017 2.90E-89 337.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002929 6565 305.4 UdeM00000002929 XP_022345476.1 66.6 305
 96 3 1 304 1 300 7.80E-80 305.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002930 6596 486.5 UdeM00000002930 XP_045194062.1 67.6 336
 107 1 12 347 17 350 2.90E-134 486.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002931 6596 176.4 UdeM00000002931 XP_045194703.1 50.5 188
 91 1 1 186 1 188 3.40E-41 176.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002932 6596 177.2 UdeM00000002932 XP_045194703.1 50.5 188
 91 1 21 206 1 188 2.20E-41 177.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002934 6596 2225.3 UdeM00000002934 XP_045194080.1 52.9
 2441 1009 31 11 2423 26 2353 0.00E+00 2225.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002933 6596 2193.3 UdeM00000002933 XP_045194071.1 52.1
 2469 1002 33 11 2412 26 2381 0.00E+00 2193.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002935 6596 1931 UdeM00000002935 XP_045193487.1 42.5 2891
 1323 72 26 2760 22 2729 0.00E+00 1931 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002936 6565 85.5 UdeM00000002936 XP_022342146.1 47.8 253
 85 5 1 250 1 209 1.10E-13 85.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002937 6850 344.4 UdeM00000002937 XP_013781061.1 61.9 268
 101 1 3 270 8 274 1.40E-91 344.4 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Merostomata; Xiphosura; Limulidae; Limulus; Limulus polyphemus

UdeM00000002938 6850 344.4 UdeM00000002938 XP_013781061.1 61.9 268
101 1 2 269 8 274 1.30E-91 344.4 6850 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Merostomata; Xiphosura; Limulidae; Limulus; Limulus polyphemus

UdeM00000002939 6596 213.8 UdeM00000002939 XP_045156247.1 31.5 448
158 7 87 389 312 755 4.00E-52 213.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000002940 8168 281.2 UdeM00000002940 XP_039648926.1 57.3 227
90 2 3 222 184 410 1.20E-72 281.2 8168 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Eupercaria; Perciformes; Percoidae; Percidae; Percinae; Perca; Perca fluviatilis

UdeM00000002941 50390 295.4 UdeM00000002941 XP_028147518.1 54.8 228
98 1 3 225 47 274 6.00E-77 295.4 50390 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucujiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; Diabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera virgifera

UdeM00000002943 6596 251.5 UdeM00000002943 XP_045201585.1 41.8 342
168 3 19 329 18 359 1.50E-63 251.5 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000002942 6596 256.9 UdeM00000002942 XP_045201585.1 41.9 346
170 3 30 344 14 359 3.60E-65 256.9 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000002945 6596 301.2 UdeM00000002945 XP_045201247.1 44 375
205 4 5 376 8 380 1.90E-78 301.2 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000002946 6579 333.2 UdeM00000002946 XP_033760129.1 46.5 389
202 5 1 387 29 413 4.50E-88 333.2 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000002947 6596 786.9 UdeM00000002947 XP_045192161.1 72.5 552
109 1 43 594 49 557 1.70E-224 786.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002948 6596 779.6 UdeM00000002948 XP_045192161.1 68.3 600
142 3 1 595 1 557 2.80E-22 779.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002949 6526 170.6 UdeM00000002949 XP_013077133.1 48.6 362
130 12 721 1056 475 806 1.50E-38 170.6 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000002951 6596 166 UdeM00000002951 XP_045173138.1 33.2 343
212 5 1 328 15 355 2.50E-37 166 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002952 1735272 96.7 UdeM00000002952 XP_041361370.1 26.6
349 218 12 2 337 425 748 6.50E-17 96.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000002954 6596 115.2 UdeM00000002954 XP_045206913.1 32.1 268
151 9 1 248 86 342 1.20E-22 115.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002953 6596 143.3 UdeM00000002953 XP_045206913.1 34.5 255
144 6 1 237 86 335 1.70E-30 143.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002955 6579 137.1 UdeM00000002955 XP_033730245.1 35.9 209
120 6 45 247 52 252 3.00E-29 137.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002956 29159 133.7 UdeM00000002956 XP_011436155.2 32.5 295
155 13 68 342 307 577 4.60E-28 133.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000002957 29159 131.3 UdeM00000002957 XP_011436155.2 32.1 299
155 13 68 346 307 577 2.30E-27 131.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002958 29159 120.2 UdeM00000002958 XP_034304475.1 35 234
138 8 21 246 78 305 3.80E-24 120.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002959 6596 849.4 UdeM00000002959 XP_045177368.1 55.5 735
319 7 64 794 107 837 3.80E-243 849.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002960 7741 217.6 UdeM00000002960 XP_019622111.1 52 202
95 2 119 320 79 278 2.30E-53 217.6 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000002961 6596 730.7 UdeM00000002961 XP_045193301.1 54 1125
388 17 51 1157 446 1459 2.90E-207 730.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002966 6573 98.6 UdeM00000002966 XP_021364275.1 50.4 121
52 3 168 284 279 395 1.40E-17 98.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000002969 6596 403.7 UdeM00000002969 XP_045193811.1 72.7 264
66 3 1 263 1 259 1.80E-109 403.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002970 6596 589.7 UdeM00000002970 XP_045193803.1 71.8 383
102 4 1 382 1 378 2.60E-165 589.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002971 6565 368.2 UdeM00000002971 XP_022337693.1 37.9 560
328 10 306 859 88 633 2.80E-98 368.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000002972 29159 472.2 UdeM00000002972 XP_011429695.1 38.3 697
388 14 2 666 13 699 1.10E-129 472.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002973 6565 109.4 UdeM00000002973 XP_022344537.1 36.8 182
105 3 7 187 15 187 5.80E-21 109.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000002974 29159 306.6 UdeM00000002974 XP_011429695.1 38.5 408
222 7 1 383 296 699 4.60E-80 306.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000002975 29159 449.9 UdeM00000002975 XP_011429695.1 42.7 590
304 11 1 564 118 699 5.00E-123 449.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000002976 29159 512.3 UdeM00000002976 XP_011429695.1 36.3 812
462 19 2 775 13 807 1.10E-141 512.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000002977 29159 501.9 UdeM00000002977 XP_011429695.1 35.7 813
456 19 7 765 8 807 1.50E-138 501.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000002978 29159 514.6 UdeM00000002978 XP_011429695.1 36 837
472 24 4 796 6 822 2.20E-142 514.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000002979 29159 515 UdeM00000002979 XP_011429695.1 36.1 829
467 23 2 786 13 822 1.70E-142 515 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000002980 29159 518.1 UdeM00000002980 XP_011429695.1 37.7 810
439 20 2 760 13 807 2.00E-143 518.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000002981 1735272 169.9 UdeM00000002981 XP_041375305.1 69
113 35 0 10 122 360 472 2.20E-39 169.9 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000002982 6596 290.4 UdeM00000002982 XP_045193329.1 72.6 201
52 2 29 228 128 326 2.20E-75 290.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000002983 6579 641.7 UdeM00000002983 XP_033754139.1 70.1 452
132 3 57 507 26 475 7.70E-181 641.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000002984 6579 640.6 UdeM00000002984 XP_033754139.1 70.4 452
 131 3 26 476 26 475 1.60E-180 640.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002985 6579 610.5 UdeM00000002985 XP_033754139.1 67.3 455
 146 3 24 477 16 468 1.80E-171 610.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002987 6596 559.7 UdeM00000002987 XP_045214301.1 58.8 454
 178 2 7 459 28 473 3.60E-156 559.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002988 6573 342.4 UdeM00000002988 XP_021358303.1 61.1 280
 93 3 1 267 1 277 5.60E-91 342.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002989 6596 418.7 UdeM00000002989 XP_045193155.1 51.7 460
 167 12 13 430 13 459 9.00E-114 418.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002990 225164 83.6 UdeM00000002990 XP_009063967.1 59.7
 62 25 0 5 66 1 62 2.30E-13 83.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000002991 6579 162.2 UdeM00000002991 XP_033755607.1 89.4 85
 9 0 1 85 1 85 3.60E-37 162.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002992 6596 104.4 UdeM00000002992 XP_045202346.1 39.7 131
 77 1 6 136 16 144 1.20E-19 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002993 6596 267.3 UdeM00000002993 XP_045183440.1 55.4 240
 102 3 2 240 145 380 2.70E-68 267.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002994 6596 190.3 UdeM00000002994 XP_045191549.1 79 124
 25 1 1 123 72 195 1.50E-45 190.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002995 6596 659.1 UdeM00000002995 XP_045192162.1 83.1 372
 60 2 15 383 14 385 3.50E-186 659.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002996 6596 1292.3 UdeM00000002996 XP_045193304.1 61.4
 1044 392 4 1 1034 1 1043 0.00E+00 1292.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002997 6579 311.6 UdeM00000002997 XP_033754212.1 76.3 194
 46 0 30 223 428 621 8.10E-82 311.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002998 6596 207.2 UdeM00000002998 XP_045193013.1 41.3 414
 178 14 19 376 4 408 3.60E-50 207.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002999 1735272 273.1 UdeM00000002999 XP_041375979.1 33.1
 472 244 6 1134 1535 939 1408 2.20E-69 273.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003000 1735272 272.7 UdeM00000003000 XP_041375979.1 33.1
 472 244 6 1134 1535 939 1408 2.90E-69 272.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003001 6596 230.7 UdeM00000003001 XP_045194899.1 36.5 397
 184 12 7 342 18 407 2.90E-57 230.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003002 6579 659.4 UdeM00000003002 XP_033754256.1 61.9 540
 193 7 10 548 361 888 4.30E-186 659.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003003 7574 158.3 UdeM00000003003 XP_013384628.1 71.7 99
 27 1 1 98 33 131 5.30E-36 158.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000003004 7574 74.3 UdeM00000003004 XP_013384628.1 74.4 43
 11 0 96 138 518 560 1.30E-10 74.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003005 7574 338.2 UdeM00000003005 XP_013382110.1 44.2 362
 185 7 10 370 270 615 1.30E-89 338.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003006 7574 256.9 UdeM00000003006 XP_013382110.1 60.8 194
 76 0 14 207 45 238 2.20E-65 256.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003007 7574 256.5 UdeM00000003007 XP_013382110.1 58.7 208
 80 1 1 208 37 238 2.90E-65 256.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003008 7574 204.9 UdeM00000003008 XP_013404796.1 85.8 120
 17 0 2 121 36 155 5.90E-50 204.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003009 6596 386.7 UdeM00000003009 XP_045192048.1 66 321
 106 3 24 343 529 847 3.10E-104 386.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003010 6596 689.9 UdeM00000003010 XP_045192048.1 68.4 525
 164 2 9 532 7 530 2.60E-195 689.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003011 7574 180.3 UdeM00000003011 XP_013392513.1 60 140
 56 0 2 141 3 142 1.80E-42 180.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003012 6565 677.2 UdeM00000003012 XP_022344823.1 73.7 429
 113 0 1 429 1 429 1.40E-191 677.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003013 6596 610.1 UdeM00000003013 XP_045193998.1 45.4 650
 336 5 1 632 1 649 3.10E-171 610.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003014 6573 360.5 UdeM00000003014 XP_021373513.1 57.9 285
 120 0 41 325 45 329 2.20E-96 360.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003015 6596 171 UdeM00000003015 XP_045192300.1 29.7 516
 204 15 1 357 1 516 2.70E-39 171 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003016 6596 384 UdeM00000003016 XP_045192300.1 44.3 517
 233 15 1 463 1 516 2.70E-103 384 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003018 6596 262.7 UdeM00000003018 XP_045191764.1 57.2 201
 85 1 160 359 76 276 6.90E-67 262.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003019 1735272 203.4 UdeM00000003019 XP_041377164.1 75.6
 135 28 1 1 130 1 135 3.20E-49 203.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003020 1735272 188.7 UdeM00000003020 XP_041377164.1 62.6
 163 28 2 1 158 1 135 9.00E-45 188.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003021 6596 279.3 UdeM00000003021 XP_045193627.1 72.6 179
 48 1 20 198 137 314 4.10E-72 279.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003022 46731 147.9 UdeM00000003022 XP_027036624.1 59.2 103
 42 0 6 108 135 237 7.50E-33 147.9 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000003023 34773 106.7 UdeM00000003023 XP_041958816.1 38.1 126
 76 1 60 185 164 287 3.50E-20 106.7 34773 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;A
 losa sapidissima

UdeM00000003026 6596 112.1 UdeM00000003026 XP_045180427.1 38.4 177
 106 2 76 250 98 273 1.10E-21 112.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003027 90988 103.2 UdeM00000003027 XP_039529744.1 43.6 110
 61 1 2 110 414 523 2.20E-19 103.2 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 idei;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
 UdeM00000003028 46731 99.8 UdeM00000003028 XP_027036624.1 43.7 103
 58 0 29 131 135 237 2.80E-18 99.8 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000003029 6596 408.3 UdeM00000003029 XP_045191399.1 62.6 321
 117 2 2 322 84 401 9.10E-111 408.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003030 161584 107.8 UdeM00000003030 XP_037102707.1 71.6
 67 19 0 2 68 3 69 5.40E-21 107.8 161584
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Syngnathiaria;Syngnathiiformes;S
 yngnathoidei;Syngnathidae;Syngnathinae;Syngnathus;Syngnathus acus
 UdeM00000003031 400727 372.5 UdeM00000003031 XP_025115027.1 43.3
 434 235 4 42 471 58 484 9.80E-100 372.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000003032 6596 897.9 UdeM00000003032 XP_045193173.1 67.2 819
 248 11 1 808 1 809 9.80E-258 897.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003033 6596 863.6 UdeM00000003033 XP_045193173.1 67.3 791
 238 11 1 780 1 781 2.00E-247 863.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003034 6596 307.4 UdeM00000003034 XP_045194490.1 80.9 183
 35 0 1 183 1 183 1.20E-80 307.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003035 6596 568.2 UdeM00000003035 XP_045192654.1 64.2 436
155 1 78 513 120 554 1.10E-158 568.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003036 400727 268.5 UdeM00000003036 XP_025099498.1 31.7
492 182 2 9 347 10 500 1.20E-68 268.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000003037 225164 113.6 UdeM00000003037 XP_009058938.1 33.5
185 119 3 1 184 577 758 3.50E-22 113.6 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000003038 6596 445.3 UdeM00000003038 XP_045194706.1 52.5 530
216 18 2 512 15 527 1.10E-121 445.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003039 29159 319.3 UdeM00000003039 XP_011417586.2 54.3 341
111 9 19 356 34 332 7.30E-84 319.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003040 1735272 209.1 UdeM00000003040 XP_041348352.1 45.2
241 128 4 5 242 191 430 6.10E-51 209.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003047 29159 248.8 UdeM00000003047 XP_034308217.1 34.8 451
256 11 1 425 22 460 1.20E-62 248.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003046 6579 262.3 UdeM00000003046 XP_033746356.1 35.2 449
259 9 2 430 54 490 1.10E-66 262.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003048 1735272 77 UdeM00000003048 XP_041361734.1 50.8
61 30 0 1 61 23 83 1.10E-11 77 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003049 6596 139.4 UdeM00000003049 XP_045179398.1 31.2 337
 170 9 1 277 127 461 7.00E-30 139.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003055 6565 236.9 UdeM00000003055 XP_022327353.1 33.6 441
 258 8 1 415 24 455 4.70E-59 236.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003060 29159 255 UdeM00000003060 XP_034308217.1 35 443
 254 7 1 420 22 453 1.70E-64 255 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003059 29159 268.5 UdeM00000003059 XP_034308217.1 35.2 457
 262 7 9 442 8 453 1.50E-68 268.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003061 6565 75.1 UdeM00000003061 XP_022287858.1 42.4 92
 53 0 2 93 194 285 7.60E-11 75.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003062 6579 162.9 UdeM00000003062 XP_033746356.1 45.7 164
 87 2 1 162 47 210 3.40E-37 162.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003063 29159 273.9 UdeM00000003063 XP_034308217.1 35 469
 262 9 2 444 3 454 3.70E-70 273.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003064 6596 77.8 UdeM00000003064 XP_045195342.1 29.5 237
 127 7 9 208 355 588 1.90E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003065 6565 88.6 UdeM00000003065 XP_022332327.1 33.1 163
 100 4 2 156 179 340 2.00E-14 88.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003066 6596 90.1 UdeM00000003066 XP_045169267.1 45.5 88
 48 0 19 106 63 150 1.80E-15 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003067 29159 248.8 UdeM00000003067 XP_034308217.1 38.9 339
 184 3 2 317 3 341 1.40E-62 248.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003068 29159 223.8 UdeM00000003068 XP_034308217.1 37.1 334
 186 4 18 327 8 341 4.00E-55 223.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003070 1735272 94 UdeM00000003070 XP_041372674.1 43.1
 109 62 0 1 109 161 269 1.70E-16 94 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003071 1735272 74.3 UdeM00000003071 XP_041372637.1 49.2
 65 33 0 1 65 67 131 6.50E-11 74.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003072 6596 1222.2 UdeM00000003072 XP_045193500.1 66.1
 943 279 5 1 940 1 905 0.00E+00 1222.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003073 6579 265 UdeM00000003073 XP_033754123.1 56.7 210
 89 1 1 208 95 304 8.00E-68 265 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003074 1735272 436 UdeM00000003074 XP_041375924.1 60.8
 329 122 2 36 361 11 335 4.60E-119 436 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003080 6579 270.4 UdeM00000003080 XP_033754250.1 68.3 221
 66 3 1 221 1 217 2.00E-69 270.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003081 6596 166.8 UdeM00000003081 XP_045191712.1 52.6 173
 80 2 3 175 224 394 2.50E-38 166.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003082 6596 87.4 UdeM00000003082 XP_045191711.1 43.8 130
 63 3 111 240 7 126 3.10E-14 87.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003084 6579 240 UdeM00000003084 XP_033749938.1 54.8 208
92 1 36 243 22 227 3.20E-60 240 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003085 46731 195.7 UdeM00000003085 XP_027036624.1 62.1 161
56 5 45 205 79 234 6.50E-47 195.7 46731 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopora damicornis

UdeM00000003086 6579 140.2 UdeM00000003086 XP_033753854.1 74 100
26 0 1 100 838 937 1.50E-30 140.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003087 6573 144.1 UdeM00000003087 XP_021352719.1 49.2 187
55 4 1 182 741 892 2.00E-31 144.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003088 6573 830.1 UdeM00000003088 XP_021352719.1 56.5 766
314 5 1 758 1 755 2.30E-237 830.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003089 6596 513.8 UdeM00000003089 XP_045193004.1 71.1 343
95 2 1 339 40 382 1.60E-142 513.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003090 29159 193.4 UdeM00000003090 XP_034339289.1 58.1 160
65 1 1 158 1 160 2.60E-46 193.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003091 29159 73.2 UdeM00000003091 XP_034339288.1 51.4 70
31 1 8 77 61 127 2.10E-10 73.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003092 29159 203 UdeM00000003092 XP_019926412.2 42.8 271
129 5 10 257 218 485 5.00E-49 203 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003093 29159 199.1 UdeM00000003093 XP_034339289.1 57.5 160
66 1 1 158 1 160 4.80E-48 199.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003095 6565 399.1 UdeM00000003095 XP_022343474.1 66.2 281
 95 0 1 281 1 281 4.80E-108 399.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003096 6596 72.8 UdeM00000003096 XP_045192278.1 42.6 108
 56 4 1 107 1 103 3.40E-10 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003097 6579 216.1 UdeM00000003097 XP_033755458.1 68.5 168
 42 1 1 157 1 168 3.20E-53 216.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003098 6596 609.4 UdeM00000003098 XP_045192244.1 44.7 713
 362 9 10 696 6 712 6.20E-171 609.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003099 6596 188 UdeM00000003099 XP_045192244.1 53.7 205
 88 4 1 200 729 931 1.30E-44 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003100 6596 1785.8 UdeM00000003100 XP_045191788.1 60.5
 1518 561 18 1 1510 1 1488 0.00E+00 1785.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003101 6579 231.1 UdeM00000003101 XP_033749938.1 52.4 208
 97 1 36 243 22 227 1.50E-57 231.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003102 6579 231.1 UdeM00000003102 XP_033749938.1 52.4 208
 97 1 36 243 22 227 1.50E-57 231.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003103 6579 229.9 UdeM00000003103 XP_033749938.1 52.4 208
 97 1 36 243 22 227 3.30E-57 229.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003104 6596 573.2 UdeM00000003104 XP_045193633.1 50.4 587
 281 6 1 580 1 584 3.80E-160 573.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003105 6596 238 UdeM00000003105 XP_045193636.1 40.7 305
 174 3 3 300 282 586 1.50E-59 238 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003106 6596 250 UdeM00000003106 XP_045193633.1 52 252
 95 5 1 228 1 250 2.90E-63 250 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003107 6565 81.3 UdeM00000003107 XP_022337162.1 36.8 106
 61 4 132 236 269 369 2.30E-12 81.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003108 6579 176 UdeM00000003108 XP_033753989.1 60.7 422
 111 8 1 379 1 410 8.90E-41 176 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003109 6596 1485.3 UdeM00000003109 XP_045192235.1 75.7
 953 228 3 1 950 1 952 0.00E+00 1485.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003110 6596 187.6 UdeM00000003110 XP_045191747.1 95 101
 5 0 1 101 1 101 8.00E-45 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003111 6596 181.4 UdeM00000003111 XP_045191747.1 94.9 98
 5 0 1 98 4 101 5.60E-43 181.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003112 6596 198.7 UdeM00000003112 XP_045191745.1 51.2 244
 105 7 1 233 1 241 2.10E-47 198.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003115 51031 97.8 UdeM00000003115 XP_013304980.1 30.3 221
 119 6 28 218 198 413 2.60E-17 97.8 51031 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Nematoda;Chromadorea;Strongylida;Ancylostomatoidea;Ancylostomat
 idae;Bunostominae;Necator;Necator americanus

UdeM00000003116 7604 231.5 UdeM00000003116 XP_033626083.1 34.6 486
 274 15 35 496 476 941 2.80E-57 231.5 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea
 UdeM00000003117 29159 288.9 UdeM00000003117 XP_011444696.2 35.1 552
 299 16 1 535 933 1442 1.40E-74 288.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003118 6596 182.2 UdeM00000003118 XP_045192542.1 65.4 130
 44 1 1 129 1 130 4.30E-43 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003120 6596 1251.1 UdeM00000003120 XP_045192541.1 67
 894 276 7 19 907 21 900 0.00E+00 1251.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003121 6596 117.5 UdeM00000003121 XP_045192878.1 51.7 149
 31 4 48 157 117 263 1.60E-23 117.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003122 1735272 449.5 UdeM00000003122 XP_041376282.1 53.1
 437 199 2 1 431 1 437 4.80E-123 449.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003123 1735272 207.6 UdeM00000003123 XP_041367923.1 42.1
 259 137 5 199 446 138 394 3.30E-50 207.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003124 225164 96.3 UdeM00000003124 XP_009058938.1 30.4
 191 120 5 1 184 577 761 5.90E-17 96.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;
 Lottia;Lottia gigantea
 UdeM00000003125 6596 325.5 UdeM00000003125 XP_045191870.1 49.5 319
 158 3 1 318 56 372 1.40E-85 325.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003126 6596 74.7 UdeM00000003126 XP_045192320.1 27 230
 146 9 14 225 9 234 1.70E-10 74.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003127 6565 520.8 UdeM00000003127 XP_022339019.1 38.9 828
 375 22 485 1274 95 829 7.10E-144 520.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003128 6596 139.8 UdeM00000003128 XP_045192376.1 29.3 458
 256 13 9 442 6 419 8.60E-30 139.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003129 6596 396.4 UdeM00000003129 XP_045192379.1 57.8 348
 145 2 4 349 18 365 3.90E-107 396.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003130 6579 155.6 UdeM00000003130 XP_033743219.1 39.5 210
 113 5 10 214 38 238 7.10E-35 155.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003131 6596 875.2 UdeM00000003131 XP_045191850.1 75.9 557
 134 0 1 557 1 557 5.20E-251 875.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003132 1735272 266.9 UdeM00000003132 XP_041355843.1 63
 208 77 0 6 213 7 214 2.20E-68 266.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003133 1735272 80.1 UdeM00000003133 XP_041376120.1 21.3
 239 169 4 34 260 172 403 5.40E-12 80.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003134 1735272 423.7 UdeM00000003134 XP_041376120.1 34.5
 800 448 15 1 745 430 1208 7.60E-115 423.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003135 6596 449.5 UdeM00000003135 XP_045193186.1 46.5 507
 239 7 1 498 34 517 5.50E-123 449.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003136 6596 591.7 UdeM00000003136 XP_045194056.1 50 678
314 6 40 698 129 800 1.30E-165 591.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003137 6596 93.2 UdeM00000003137 XP_045194054.1 50 108
48 2 11 115 3 107 5.50E-16 93.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003139 6579 357.8 UdeM00000003139 XP_033754572.1 58.8 313
105 4 52 362 1 291 1.60E-95 357.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003142 6565 334 UdeM00000003142 XP_022335660.1 59.1 291
96 3 1 289 27 296 2.10E-88 334 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003143 6573 345.9 UdeM00000003143 XP_021340709.1 53.7 315
123 3 2 314 8 301 5.60E-92 345.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003144 6573 347.4 UdeM00000003144 XP_021340709.1 59.4 286
95 2 1 286 27 291 1.80E-92 347.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003145 6565 78.6 UdeM00000003145 XP_022335660.1 52.9 68
32 0 1 68 226 293 4.20E-12 78.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003146 6500 213 UdeM00000003146 XP_012945639.1 57.2 201
69 2 168 368 4 187 6.40E-52 213 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000003147 6573 326.2 UdeM00000003147 XP_021340709.1 54.9 286
110 2 115 400 22 288 5.70E-86 326.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003148 225164 334.7 UdeM00000003148 XP_009067035.1 57.5
280 100 1 112 391 3 263 1.60E-88 334.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000003149 6573 334 UdeM00000003149 XP_021340709.1 54.8 299
113 3 36 332 12 290 2.30E-88 334 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003150 6573 325.1 UdeM00000003150 XP_021340709.1 60.4 270
86 2 98 367 22 270 1.20E-85 325.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003151 6565 357.1 UdeM00000003151 XP_022335660.1 61.7 298
91 2 69 364 17 293 2.90E-95 357.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003152 6573 135.2 UdeM00000003152 XP_021341651.1 50.9 163
66 4 1 158 1 154 7.40E-29 135.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003153 6579 144.8 UdeM00000003153 XP_033743219.1 39.2 199
107 5 4 197 49 238 1.10E-31 144.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003154 1735272 79.7 UdeM00000003154 XP_041374489.1 66.1
59 20 0 9 67 169 227 1.60E-12 79.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003155 6579 1366.7 UdeM00000003155 XP_033755377.1 64.9
1095 345 13 1 1080 1 1071 0.00E+00 1366.7 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003156 379532 89.4 UdeM00000003156 XP_012493712.1 33.9
177 99 4 27 201 67 227 6.20E-15 89.4 379532
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria ;Boreoeutheria;Euarchontoglires;Primates;Strepsirrhini;Lemuriformes;Indri idae;Propithecus;Propithecus coquereli

UdeM00000003157 6573 218.4 UdeM00000003157 XP_021354315.1 36.5 378
202 7 179 523 155 527 2.30E-53 218.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003158 45264 97.8 UdeM00000003158 XP_044184709.1 51.7 87
 42 0 38 124 55 141 2.20E-17 97.8 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000003159 45264 235.7 UdeM00000003159 XP_044184031.1 45.9 281
 136 6 1 272 213 486 6.80E-59 235.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000003160 45264 100.1 UdeM00000003160 XP_044165143.1 45.7 116
 61 2 1 114 358 473 2.00E-18 100.1 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000003161 45264 141.4 UdeM00000003161 XP_044184028.1 48.2 168
 82 3 27 193 68 231 1.60E-30 141.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000003162 45264 141.4 UdeM00000003162 XP_044184028.1 48.2 168
 82 3 42 208 68 231 1.70E-30 141.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000003163 6596 294.3 UdeM00000003163 XP_045191755.1 33.8 619
 356 11 71 638 46 661 3.90E-76 294.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003164 6596 310.1 UdeM00000003164 XP_045192357.1 49.7 326
 153 4 1 317 1 324 3.50E-81 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003166 1735272 255.4 UdeM00000003166 XP_041376541.1 62.9
 178 66 0 1 178 35 212 5.60E-65 255.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003167 1735272 69.7 UdeM00000003167 XP_041376541.1 54.7
 181 60 4 10 188 218 378 4.50E-09 69.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003168 6565 710.7 UdeM00000003168 XP_022342618.1 45.5 1030
 444 13 7 1022 19 945 2.80E-20 710.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003169 6573 72.8 UdeM00000003169 XP_021358275.1 56.5 69
 21 3 5 68 2 66 3.20E-10 72.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003170 6596 496.1 UdeM00000003170 XP_045192780.1 53 449
 197 7 5 452 15 450 4.70E-137 496.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003171 6596 471.5 UdeM00000003171 XP_045192780.1 53 434
 191 7 22 454 29 450 1.20E-129 471.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003173 6596 352.8 UdeM00000003173 XP_045175062.1 49.4 393
 195 2 1 390 1 392 5.60E-94 352.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003174 6596 540 UdeM00000003174 XP_045175062.1 51.7 547
 261 3 1 546 1 545 3.40E-150 540 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003175 6596 126.3 UdeM00000003175 XP_045175390.1 30.4 303
 187 7 39 331 99 387 7.10E-26 126.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003176 6596 725.3 UdeM00000003176 XP_045192190.1 80.8 412
 79 0 1 412 1 412 8.30E-206 725.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003177 6579 289.3 UdeM00000003177 XP_033754925.1 71.8 206
 58 0 1 206 1 206 4.00E-75 289.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003178 6596 755 UdeM00000003178 XP_045192182.1 59.5 699
 225 9 1 662 1 678 8.10E-215 755 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003179 6579 303.5 UdeM00000003179 XP_033755352.1 65.7 216
 73 1 6 220 3 218 2.20E-79 303.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003180 1735272 502.7 UdeM00000003180 XP_041376085.1 35.8
763 447 10 1 732 1 751 8.10E-139 502.7 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003181 6596 452.6 UdeM00000003181 XP_045192179.1 60.2 389
151 3 6 393 5 390 5.60E-124 452.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000003183 6579 295.4 UdeM00000003183 XP_033753679.1 76.5 179
34 3 1 172 586 763 6.20E-77 295.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003182 6573 563.9 UdeM00000003182 XP_021354199.1 50.6 674
283 12 82 731 120 767 3.20E-157 563.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003184 6573 454.1 UdeM00000003184 XP_021354199.1 48.1 580
259 9 82 644 120 674 2.90E-124 454.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003185 6596 122.9 UdeM00000003185 XP_045193571.1 27.7 264
148 6 85 330 213 451 8.10E-25 122.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000003186 6596 211.1 UdeM00000003186 XP_045193568.1 40.1 269
155 5 236 500 203 469 3.30E-51 211.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000003187 6596 211.1 UdeM00000003187 XP_045193568.1 40.1 269
155 5 279 543 203 469 3.60E-51 211.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000003188 6596 252.7 UdeM00000003188 XP_045193323.1 35.5 422
251 8 25 427 4 423 8.60E-64 252.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000003189 6565 64.7 UdeM00000003189 XP_022337943.1 31.8 129
 82 4 67 193 485 609 1.60E-07 64.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003190 6596 240.7 UdeM00000003190 XP_045191300.1 34.7 392
 234 5 5 375 8 398 3.10E-60 240.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003191 6596 255.8 UdeM00000003191 XP_045193323.1 35.8 413
 241 8 5 395 8 418 9.50E-65 255.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003193 6565 97.1 UdeM00000003193 XP_022337943.1 28.5 249
 160 7 106 352 377 609 5.00E-17 97.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003192 6565 97.1 UdeM00000003192 XP_022337943.1 28.5 249
 160 7 116 362 377 609 5.20E-17 97.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003195 6596 229.6 UdeM00000003195 XP_045192359.1 43.6 273
 145 5 1 264 1 273 4.80E-57 229.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003196 6596 792.7 UdeM00000003196 XP_045191547.1 65.2 577
 201 0 5 581 3 579 3.30E-226 792.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003197 6596 527.7 UdeM00000003197 XP_045193647.1 40.1 694
 384 10 379 1060 1106 1779 3.40E-146 527.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003198 400727 800.4 UdeM00000003198 XP_025115090.1 41.2
 935 536 8 4 930 58 986 2.40E-228 800.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000003199 6596 691.8 UdeM00000003199 XP_045194279.1 49 736
 336 9 1 730 1 703 1.00E-195 691.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003200 6579 359.4 UdeM00000003200 XP_033755221.1 36.3 1172
585 37 98 1174 774 1878 1.80E-95 359.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003201 6596 285 UdeM00000003201 XP_045191543.1 47.8 458
213 13 13 446 31 486 1.60E-73 285 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003202 6596 457.2 UdeM00000003202 XP_045191990.1 56.2 457
186 5 1 447 28 480 2.40E-125 457.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003203 6565 332.4 UdeM00000003203 XP_022336011.1 58.9 270
111 0 1 270 1 270 5.40E-88 332.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003205 29159 69.7 UdeM00000003205 XP_034299594.1 37.3 75
47 0 3 77 478 552 2.30E-09 69.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003206 6596 1139.8 UdeM00000003206 XP_045191953.1 73.5
769 196 3 1 767 1 763 0.00E+00 1139.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003207 6596 1146.7 UdeM00000003207 XP_045191953.1 74
763 196 2 1 761 1 763 0.00E+00 1146.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003208 6596 248.1 UdeM00000003208 XP_045194414.1 38.4 570
235 16 10 471 10 571 2.30E-62 248.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003209 400727 176.4 UdeM00000003209 XP_025076358.1 38.3
368 195 6 415 778 32 371 1.40E-40 176.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000003210 1735272 132.5 UdeM00000003210 XP_041376920.1 49
763 164 11 4 720 5 588 2.20E-27 132.5 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis
UdeM00000003211 6596 171 UdeM00000003211 XP_045192554.1 48.8 244
82 2 81 316 574 782 2.40E-39 171 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000003212 6596 148.7 UdeM00000003212 XP_045192554.1 44.2 337
116 3 639 956 501 784 3.90E-32 148.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000003213 6596 148.7 UdeM00000003213 XP_045192554.1 44.2 337
116 3 647 964 501 784 3.90E-32 148.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000003214 6596 396.7 UdeM00000003214 XP_045163562.1 76.6 248
51 2 3 243 8 255 2.10E-107 396.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000003215 94885 79 UdeM00000003215 XP_034281308.1 61.5 65
22 2 1 65 1 62 3.10E-12 79 94885 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Sauropsida; Sauria; Lepidosauria; Squamata; Bifurcata; Unidentata; Episquamata; Toxicofera; Serpentes; Colubroidea; Colubridae; Colubrinae; Pantherophis; Pantherophis guttatus
UdeM00000003216 6573 254.2 UdeM00000003216 XP_021352766.1 37.3 370
213 7 1 359 1 362 2.50E-64 254.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000003217 1735272 152.1 UdeM00000003217 XP_041359833.1 39.9
183 110 0 9 191 19 201 7.20E-34 152.1 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis
UdeM00000003218 6579 184.1 UdeM00000003218 XP_033754376.1 37.1 275
161 5 1506 1779 248 511 1.80E-42 184.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003219 6596 651 UdeM00000003219 XP_045191515.1 60 502
197 2 1 499 1 501 1.30E-183 651 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003220 6596 596.7 UdeM00000003220 XP_045191619.1 93.2 325
17 2 1 323 1 322 1.80E-167 596.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003221 1735272 476.9 UdeM00000003221 XP_041377064.1 53.3
467 199 8 58 515 42 498 3.40E-131 476.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003222 400727 188 UdeM00000003222 XP_025116008.1 46.3
270 135 3 1 267 1 263 1.60E-44 188 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000003223 400727 1040.8 UdeM00000003223 XP_025116008.1
71.3 788 210 5 1 782 1 778 8.90E-301 1040.8
400727 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000003224 400727 1046.2 UdeM00000003224 XP_025116008.1
71.6 785 213 3 1 782 1 778 2.10E-302 1046.2
400727 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000003225 6596 311.2 UdeM00000003225 XP_045194887.1 33.6 527
323 9 326 845 27 533 5.80E-81 311.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003227 6573 441 UdeM00000003227 XP_021358331.1 87.7 236
29 0 4 239 5 240 9.40E-121 441 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003228 6579 1203.3 UdeM00000003228 XP_033754451.1 63.5
924 323 6 1 920 1 914 0.00E+00 1203.3 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000003230 6596 110.9 UdeM00000003230 XP_045180427.1 39 177
105 2 76 250 98 273 2.50E-21 110.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000003231 6565 1079.7 UdeM00000003231 XP_022339330.1 68.7
795 239 4 128 918 94 882 0.00E+00 1079.7 6565
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000003232 6565 312.8 UdeM00000003232 XP_022339331.1 70.3 239
56 4 1 228 888 1122 3.70E-82 312.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000003233 6565 132.9 UdeM00000003233 XP_022339330.1 63.2 117
37 2 1 111 913 1029 3.00E-28 132.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000003234 151771 480.3 UdeM00000003234 XP_028419301.1 53.6
448 205 3 27 473 34 479 2.80E-132 480.3 151771
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Octocorallia; Alcyonacea; Alcyoniina; Nephtheidae; Dendronephthya; Dendronephthya gigantea

UdeM00000003235 151771 470.7 UdeM00000003235 XP_028419301.1 53.1
448 201 4 27 467 34 479 2.20E-129 470.7 151771
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Octocorallia; Alcyonacea; Alcyoniina; Nephtheidae; Dendronephthya; Dendronephthya gigantea

UdeM00000003236 6596 432.2 UdeM00000003236 XP_045192885.1 71.4 290
83 0 1 290 702 991 5.80E-118 432.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000003238 37653 366.3 UdeM00000003238 XP_014780554.1 42.5 452
250 5 22 466 49 497 5.70E-98 366.3 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000003239 6596 429.1 UdeM00000003239 XP_045192914.1 59.7 419
100 5 8 426 15 364 6.60E-117 429.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000003240 1735272 399.8 UdeM00000003240 XP_041376710.1 32
 866 432 21 72 903 196 938 9.10E-108 399.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003241 400727 63.5 UdeM00000003241 XP_025114569.1 34.3
 105 61 3 1 105 62 158 4.20E-07 63.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000003242 7574 278.1 UdeM00000003242 XP_013420590.1 48.4 316
 141 7 295 599 176 480 2.80E-71 278.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003243 6573 116.3 UdeM00000003243 XP_021358001.1 69.7 89
 18 2 9 88 143 231 2.00E-23 116.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003244 29159 558.9 UdeM00000003244 XP_034317111.1 51.9 553
 255 5 1 545 1 550 7.10E-156 558.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003245 29159 836.3 UdeM00000003245 XP_034317111.1 44.9 1036
 555 11 1 1027 1 1029 4.30E-239 836.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003246 29159 233 UdeM00000003246 XP_034324494.1 46.9 288
 142 5 3 282 266 550 4.60E-58 233 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003247 29159 182.2 UdeM00000003247 XP_034317111.1 35.8 358
 224 5 1 355 675 1029 1.20E-42 182.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003248 37653 157.1 UdeM00000003248 XP_014776876.1 69.3 127
 34 3 24 147 3 127 1.70E-35 157.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000003249 6596 228.4 UdeM00000003249 XP_045194587.1 42.2 244
 132 5 3 238 4 246 9.70E-57 228.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003250 6579 100.5 UdeM00000003250 XP_033745961.1 37.1 116
 72 1 21 136 17 131 1.80E-18 100.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003251 4558 99.4 UdeM00000003251 XP_002450438.2 36.2 149
 91 3 7 151 322 470 4.40E-18 99.4 4558 cellular
 organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
 ;Tracheophyta;Euphylllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;L
 iliopsida;Petrosaviidae;commelinids;Poales;Poaceae;PACMAD
 clade;Panicoideae;Andropogonodae;Andropogoneae;Sorghinae;Sorghum;Sorghum
 bicolor
 UdeM00000003252 6579 221.1 UdeM00000003252 XP_033744395.1 41.8 275
 140 5 24 295 23 280 2.10E-54 221.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003254 6579 165.6 UdeM00000003254 XP_033739239.1 51.6 157
 74 1 148 302 103 259 1.00E-37 165.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003253 6579 108.6 UdeM00000003253 XP_033755236.1 34.2 193
 120 4 187 376 17 205 3.10E-20 108.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003258 225164 123.2 UdeM00000003258 XP_009058199.1 42.5
 174 80 3 1 161 1 167 3.10E-25 123.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000003259 225164 116.3 UdeM00000003259 XP_009058199.1 45.8
 144 71 2 1 144 31 167 3.50E-23 116.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000003260 6579 262.3 UdeM00000003260 XP_033752673.1 45.6 316
 153 3 23 338 256 552 8.70E-67 262.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003261 6579 264.2 UdeM00000003261 XP_033752673.1 47.6 286
 144 1 21 306 273 552 2.10E-67 264.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003262 7604 151.4 UdeM00000003262 XP_033641066.1 65.4 104
 36 0 1 104 155 258 9.10E-34 151.4 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000003263 225164 72 UdeM00000003263 XP_009058200.1 48.7
76 39 0 1 76 1 76 3.80E-10 72 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000003266 29159 99.4 UdeM00000003266 XP_034322046.1 37.1 151
81 3 1 143 151 295 4.50E-18 99.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003267 29159 69.3 UdeM00000003267 XP_034303860.1 58.5 53
22 0 3 55 350 402 2.10E-09 69.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003268 9646 118.2 UdeM00000003268 XP_034495081.1 64.4 87
31 0 14 100 22 108 5.90E-24 118.2 9646 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Laurasiatheria;Carnivora;Caniformia;Ursidae;Ailuropoda;Ail
uropoda melanoleuca

UdeM00000003269 6573 472.2 UdeM00000003269 XP_021340527.1 74.8 305
77 0 37 341 26 330 5.40E-130 472.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003270 375764 126.7 UdeM00000003270 XP_029977959.1 56.2
96 42 0 357 452 36 131 7.40E-26 126.7 375764

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Kurtiformes;Apogonoide
i;Apogonidae;Apogoninae;Sphaeramia;Sphaeramia orbicularis

UdeM00000003271 30732 180.3 UdeM00000003271 XP_024118320.1 43.8 208
115 2 14 221 409 614 2.80E-42 180.3 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
melastigma

UdeM00000003272 8236 120.2 UdeM00000003272 XP_044216249.1 39 177
102 2 31 207 100 270 3.20E-24 120.2 8236 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombr
idae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000003273 6579 243.8 UdeM00000003273 XP_033731739.1 36.7 376
 103 1 2 242 3 378 2.20E-61 243.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003274 6596 450.3 UdeM00000003274 XP_045192733.1 43.8 512
 237 11 1 508 177 641 3.30E-123 450.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003275 6596 620.5 UdeM00000003275 XP_045192733.1 49.4 650
 303 14 5 639 3 641 2.30E-174 620.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003276 6596 801.2 UdeM00000003276 XP_045194525.1 45.9 939
 413 13 3 933 22 873 1.40E-228 801.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003278 133434 65.1 UdeM00000003278 XP_022082365.1 43
 79 38 2 85 156 249 327 1.20E-07 65.1 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000003277 7957 102.4 UdeM00000003277 XP_026114113.1 28.4 264
 142 7 37 258 2 260 1.00E-18 102.4 7957 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 idei;Cyprinidae;Cyprininae;Carassius;Carassius auratus
 UdeM00000003279 6579 392.1 UdeM00000003279 XP_033744278.1 33.7 730
 224 6 119 617 280 980 1.40E-105 392.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003280 6579 291.2 UdeM00000003280 XP_033744278.1 53.3 246
 114 1 132 376 735 980 2.20E-75 291.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003281 6579 642.5 UdeM00000003281 XP_033741736.1 56.4 527
 218 4 82 602 347 867 5.80E-181 642.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003282 210409 103.6 UdeM00000003282 XP_045124105.1 33.2
 232 138 8 37 264 25 243 4.10E-19 103.6 210409
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Brachyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus trituberculatus

UdeM00000003283 6596 557.4 UdeM00000003283 XP_045193792.1 78.9 323
68 0 1 323 331 653 1.20E-155 557.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003285 6596 533.5 UdeM00000003285 XP_045188256.1 50.9 546
241 6 308 845 78 604 5.50E-148 533.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003287 6596 489.2 UdeM00000003287 XP_045193246.1 73.1 334
87 2 1 331 105 438 4.20E-135 489.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003288 1735272 448.7 UdeM00000003288 XP_041376027.1 39.3
624 339 11 14 607 9 622 1.20E-122 448.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003289 6596 1202.6 UdeM00000003289 XP_045193235.1 58.4
1061 424 7 145 1190 127 1185 0.00E+00 1202.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003290 6596 62 UdeM00000003290 XP_045192008.1 59.3 59
22 2 17 75 412 468 1.40E-06 62 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003291 6596 496.9 UdeM00000003291 XP_045192008.1 65.6 378
117 5 1 369 1 374 2.30E-137 496.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003292 6596 1043.5 UdeM00000003292 XP_045193160.1 69
754 223 3 1 744 1 753 1.30E-301 1043.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003293 6579 229.9 UdeM00000003293 XP_033754480.1 65.6 157
 54 0 6 162 15 171 2.30E-57 229.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003294 1735272 462.2 UdeM00000003294 XP_041376935.1 63.2
 342 113 4 28 356 1 342 6.20E-127 462.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003296 6596 496.9 UdeM00000003296 XP_045193545.1 61.2 369
 135 2 24 390 14 376 2.40E-137 496.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003295 6596 499.2 UdeM00000003295 XP_045193546.1 60.9 376
 135 3 4 377 8 373 4.60E-138 499.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003297 1735272 1025.8 UdeM00000003297 XP_041376221.1
 54.3 915 394 8 7 901 27 937 3.50E-296 1025.8
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003299 6596 443 UdeM00000003299 XP_045193449.1 57 395
 167 1 27 421 96 487 4.40E-121 443 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003298 6596 530.8 UdeM00000003298 XP_045193449.1 54.9 486
 216 1 54 539 5 487 2.00E-147 530.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003300 6573 96.7 UdeM00000003300 XP_021354308.1 51.7 89
 43 0 53 141 1 89 3.20E-17 96.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003301 6573 97.1 UdeM00000003301 XP_021354308.1 51.7 89
 43 0 57 145 1 89 2.50E-17 97.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003302 6596 438.7 UdeM00000003302 XP_045194176.1 43.3 522
 244 6 4 501 11 504 9.80E-120 438.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003303 6596 228.8 UdeM00000003303 XP_045194118.1 26.5 744
 236 11 73 507 1690 2431 1.70E-56 228.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003304 6596 102.4 UdeM00000003304 XP_045194704.1 42.7 375
 174 7 32 368 33 404 1.20E-18 102.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003305 6596 458 UdeM00000003305 XP_045194095.1 45.3 558
 203 12 21 521 24 536 1.80E-125 458 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003306 6596 462.2 UdeM00000003306 XP_045194095.1 45.9 553
 225 13 11 514 6 533 1.10E-126 462.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003307 6596 300.1 UdeM00000003307 XP_045194097.1 55.7 244
 105 2 3 243 56 299 2.70E-78 300.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003308 6596 223.8 UdeM00000003308 XP_045194395.1 44.8 288
 158 1 118 405 1 287 4.30E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003311 6596 415.2 UdeM00000003311 XP_045192904.1 55.5 366
 153 5 57 418 56 415 9.70E-113 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003312 6412 62 UdeM00000003312 XP_009016697.1 33.1 130
 43 2 1 86 116 245 4.30E-07 62 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta

UdeM00000003314 6596 365.9 UdeM00000003314 XP_045203461.1 49.5 422
 190 9 14 423 16 426 6.90E-98 365.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003315 7741 241.9 UdeM00000003315 XP_019640655.1 51.1 225
 109 1 5 228 1 225 8.60E-61 241.9 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000003316 2652724 69.7 UdeM00000003316 XP_028516406.1 44.3
 61 30 1 86 142 2014 2074 3.40E-09 69.7 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000003317 6579 127.9 UdeM00000003317 XP_033754552.1 81.7 82
 13 1 1 82 1 80 3.70E-26 127.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003318 6596 429.1 UdeM00000003318 XP_045193590.1 91.1 237
 19 1 1 237 1 235 3.90E-117 429.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003319 29159 159.5 UdeM00000003319 XP_011433135.1 56.9 130
 51 2 14 138 1 130 3.30E-36 159.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003320 1735272 66.2 UdeM00000003320 XP_041366951.1 36.7
 90 51 1 27 116 152 235 3.50E-08 66.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003321 1735272 84.3 UdeM00000003321 XP_041362472.1 38.6
 132 75 4 3 128 206 337 1.20E-13 84.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003323 1735272 146.4 UdeM00000003323 XP_041377012.1 47.4
 152 76 2 1 150 37 186 7.70E-32 146.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003324 1735272 145.2 UdeM00000003324 XP_041377012.1 47.3
 146 75 1 3 146 41 186 1.70E-31 145.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000003325 6596 974.2 UdeM00000003325 XP_045194509.1 71.3 665
 187 3 7 669 6 668 8.60E-281 974.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000003326 6565 144.1 UdeM00000003326 XP_022342121.1 58.9 107
 44 0 1 107 200 306 1.10E-31 144.1 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000003327 7741 224.2 UdeM00000003327 XP_019622111.1 49.4 239
 116 4 225 461 43 278 3.50E-55 224.2 7741 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br-
 anchiostoma; Branchiostoma belcheri
 UdeM00000003328 6573 88.2 UdeM00000003328 XP_021349956.1 69 58
 18 0 1 58 355 412 4.60E-15 88.2 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000003329 6596 431 UdeM00000003329 XP_045193790.1 58.5 330
 130 3 27 356 25 347 1.50E-117 431 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000003330 6573 874 UdeM00000003330 XP_021349955.1 44.6 1473
 568 34 2 1410 20 1308 2.60E-250 874 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000003331 6596 443 UdeM00000003331 XP_045192585.1 64.8 349
 85 5 1 335 1 325 4.30E-121 443 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000003332 6596 229.2 UdeM00000003332 XP_045192589.1 87.8 123
 15 0 1 123 1 123 2.90E-57 229.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000003334 29159 286.6 UdeM00000003334 XP_034299106.1 52.1 553
 199 6 93 635 109 605 8.70E-74 286.6 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000003335 6565 238.8 UdeM00000003335 XP_022339162.1 47.9 303
 124 4 166 460 351 627 1.60E-59 238.8 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003336 1735272 292 UdeM00000003336 XP_041376054.1 94.8
 154 8 0 1 154 1 154 4.60E-76 292 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003337 400727 403.7 UdeM00000003337 XP_025076467.1 97.5
 199 5 0 10 208 156 354 1.40E-109 403.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000003338 6596 808.9 UdeM00000003338 XP_045192594.1 54 759
 311 15 1 743 1 737 5.40E-231 808.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003339 6596 530.4 UdeM00000003339 XP_045192595.1 50.5 553
 170 5 1 552 1 450 2.70E-147 530.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003340 6596 181.8 UdeM00000003340 XP_045192595.1 58.4 173
 62 4 3 170 447 614 7.70E-43 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003341 6573 107.5 UdeM00000003341 XP_021358252.1 47.2 123
 59 2 33 155 622 738 2.00E-20 107.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003342 6596 290.8 UdeM00000003342 XP_045192600.1 53.9 271
 114 5 1 264 724 990 1.70E-75 290.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003343 6579 182.2 UdeM00000003343 XP_033754271.1 51.1 178
 80 4 1 177 1 172 5.90E-43 182.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003344 6596 736.5 UdeM00000003344 XP_045194103.1 62.9 587
 210 4 105 687 66 648 3.10E-209 736.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003345 6596 878.2 UdeM00000003345 XP_045194103.1 63.5 716
 249 6 105 815 66 774 8.10E-252 878.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003347 6596 112.8 UdeM00000003347 XP_045194103.1 56.6 113
 42 2 5 116 794 900 3.10E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003349 6596 157.1 UdeM00000003349 XP_045174980.1 46.9 143
 71 1 6 148 38 175 2.00E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003350 6579 286.2 UdeM00000003350 XP_033753779.1 63.5 203
 74 0 246 448 398 600 7.20E-74 286.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003351 6596 350.1 UdeM00000003351 XP_045194776.1 49.2 400
 179 13 13 398 13 402 3.80E-93 350.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003352 29159 1546.6 UdeM00000003352 XP_034337991.1 70.2
 1055 310 4 29 1081 50 1102 0.00E+00 1546.6
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003353 6579 107.5 UdeM00000003353 XP_033754065.1 32.2 289
 156 8 1 272 1 266 2.90E-20 107.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003356 400727 99.8 UdeM00000003356 XP_025115682.1 43.1
 109 61 1 13 120 9 117 2.70E-18 99.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000003358 6596 131.7 UdeM00000003358 XP_045193285.1 80 85
 17 0 1 85 112 196 4.40E-28 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003357 6596 287 UdeM00000003357 XP_045193285.1 78.6 196
 42 0 1 196 1 196 1.90E-74 287 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003359 6596 493.8 UdeM00000003359 XP_045193287.1 57.2 411
172 3 9 418 35 442 2.10E-136 493.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003360 6579 334 UdeM00000003360 XP_033753726.1 57.2 290
123 1 20 309 15 303 2.40E-88 334 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003361 29159 399.8 UdeM00000003361 XP_011423227.2 56.8 558
228 8 72 619 74 628 6.30E-108 399.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003362 133434 213.4 UdeM00000003362 XP_022088924.1 84.3
108 17 0 1 108 1 108 1.40E-52 213.4 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000003363 6579 77.4 UdeM00000003363 XP_033753676.1 49.4 87
42 1 47 131 478 564 1.70E-11 77.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003364 6573 331.3 UdeM00000003364 XP_021342966.1 72.1 215
60 0 13 227 272 486 1.00E-87 331.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003365 6579 398.7 UdeM00000003365 XP_033753676.1 67.6 275
88 1 1 275 1 274 6.60E-108 398.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003366 6565 318.9 UdeM00000003366 XP_022341970.1 76.8 211
49 0 1 211 1 211 4.80E-84 318.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003367 1735272 62.8 UdeM00000003367 XP_041375845.1 35.6
90 55 2 12 100 144 231 3.60E-07 62.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003369 29159 520.4 UdeM00000003369 XP_034334954.1 23.9 2347
1480 71 154 2361 10 2188 1.30E-143 520.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr

UdeM00000003370 6596 99.4 UdeM00000003370 XP_045191760.1 43.9 114
63 1 2 114 364 477 3.30E-18 99.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003371 6596 384.8 UdeM00000003371 XP_045158565.1 60.6 292
113 1 329 620 81 370 2.10E-103 384.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003372 6596 410.2 UdeM00000003372 XP_045158558.1 62.1 327
112 5 25 349 31 347 2.60E-111 410.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003373 6596 612.5 UdeM00000003373 XP_045160920.1 40.8 1119
474 28 1 1074 243 1218 1.10E-171 612.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003375 6596 70.5 UdeM00000003375 XP_045160457.1 23.8 277
159 9 133 401 76 308 5.60E-09 70.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003376 6500 159.1 UdeM00000003376 XP_005107071.1 49 155
78 1 56 210 102 255 6.30E-36 159.1 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000003377 6596 573.2 UdeM00000003377 XP_045160611.1 65.7 396
136 0 1 396 1 396 2.60E-160 573.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003378 1735272 396.7 UdeM00000003378 XP_041358968.1 66.4
262 88 0 8 269 48 309 2.30E-107 396.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003379 29159 255.4 UdeM00000003379 XP_011423802.2 33.3 684
342 17 120 751 554 1175 3.00E-64 255.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000003380 6573 124.4 UdeM00000003380 XP_021343717.1 35.8 372
171 16 9 361 4 326 3.20E-25 124.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003381 6596 1533.9 UdeM00000003381 XP_045160148.1 78.1
967 212 0 1 967 1 967 0.00E+00 1533.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003382 6596 645.2 UdeM00000003382 XP_045160148.1 73 426
115 0 105 530 542 967 7.30E-182 645.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003383 6565 217.2 UdeM00000003383 XP_022299727.1 47 234
121 2 1 232 46 278 2.40E-53 217.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003384 6573 526.6 UdeM00000003384 XP_021350171.1 76.5 319
75 0 5 323 6 324 3.20E-146 526.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003385 6565 364.8 UdeM00000003385 XP_022314754.1 63.7 300
90 4 1 300 1 281 1.10E-97 364.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003388 6596 364 UdeM00000003388 XP_045159215.1 51.4 346
157 5 5 342 3 345 2.10E-97 364 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003389 6596 510.8 UdeM00000003389 XP_045160241.1 62 379
143 1 1 378 124 502 2.40E-141 510.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003390 6596 236.9 UdeM00000003390 XP_045157220.1 58.4 209
81 3 7 209 7 215 2.40E-59 236.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000003391 6596 226.9 UdeM00000003391 XP_045160242.1 57.7 168
 70 1 15 181 12 179 2.90E-56 226.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003392 6596 224.9 UdeM00000003392 XP_045160242.1 50.3 195
 88 1 18 212 31 216 1.40E-55 224.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003393 6596 1063.5 UdeM00000003393 XP_045159931.1 50.9
 1538 573 35 11 1456 7 1454 2.40E-307 1063.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003394 6596 937.2 UdeM00000003394 XP_045159933.1 86.9 528
 60 4 1 520 1 527 9.10E-270 937.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003395 6596 144.8 UdeM00000003395 XP_045187536.1 64.1 117
 42 0 1 117 396 512 7.00E-32 144.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003396 6500 175.3 UdeM00000003396 XP_005098534.1 46 211
 86 4 1 208 1 186 1.10E-40 175.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000003397 29159 304.3 UdeM00000003397 XP_034312365.1 70.8 530
 127 4 2 523 5 514 3.00E-79 304.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003398 6596 431.8 UdeM00000003398 XP_045157388.1 55.6 385
 163 5 30 412 37 415 9.80E-118 431.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003399 6596 431.8 UdeM00000003399 XP_045157388.1 55.6 385
 163 5 31 413 37 415 9.80E-118 431.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003400 6579 180.6 UdeM00000003400 XP_033738379.1 87.1 101
 13 0 1 101 1 101 9.70E-43 180.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003403 6596 317.4 UdeM00000003403 XP_045157390.1 47.1 340
 165 7 1 331 1 334 2.20E-83 317.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003405 6596 94.4 UdeM00000003405 XP_045209239.1 22.3 516
 362 16 130 628 69 562 7.50E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003406 6596 104.8 UdeM00000003406 XP_045209239.1 25.8 461
 310 15 149 604 71 504 5.70E-19 104.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003409 6573 331.6 UdeM00000003409 XP_021362540.1 67 282
 85 3 4 277 2 283 9.40E-88 331.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003410 103944 81.6 UdeM00000003410 XP_015665535.1 36.1
 122 76 1 34 155 9 128 1.20E-12 81.6 103944
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Serpentes;Col
 ubroidea;Viperidae;Crotalinae;Protobothrops;Protobothrops mucrosquamatus
 UdeM00000003411 6596 163.3 UdeM00000003411 XP_045156967.1 44 182
 102 0 3 184 14 195 3.50E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003412 6596 174.9 UdeM00000003412 XP_045156967.1 44.3 194
 108 0 113 306 2 195 1.80E-40 174.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003413 1735272 90.1 UdeM00000003413 XP_041372160.1 36.2
 130 73 3 21 144 1127 1252 2.50E-15 90.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003414 6596 804.3 UdeM00000003414 XP_045158780.1 77 504
 109 3 42 540 1 502 9.50E-230 804.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003415 6573 1063.9 UdeM00000003415 XP_021370678.1 55.5
 946 368 3 29 923 11 954 1.10E-307 1063.9 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003416 6596 328.2 UdeM00000003416 XP_045156962.1 77.2 202
 46 0 1 202 1 202 7.50E-87 328.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003419 29159 110.5 UdeM00000003419 XP_011451007.2 51.2 121
 50 4 1 112 1 121 1.40E-21 110.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003422 6596 583.9 UdeM00000003422 XP_045160184.1 48.3 598
 305 3 23 618 53 648 2.40E-163 583.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003424 6565 139.4 UdeM00000003424 XP_022314845.1 37.1 186
 115 1 6 191 3 186 5.00E-30 139.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003425 6579 271.9 UdeM00000003425 XP_033736727.1 76.9 160
 37 0 1 160 432 591 5.10E-70 271.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003426 6579 1008.4 UdeM00000003426 XP_033736727.1 79.2
 587 120 1 11 597 7 591 3.70E-291 1008.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003427 6596 470.7 UdeM00000003427 XP_045160571.1 41.5 674
 345 11 19 679 27 664 3.10E-129 470.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003428 6596 389 UdeM00000003428 XP_045216663.1 35.9 630
 390 6 4 621 9 636 1.10E-104 389 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003429 218467 367.9 UdeM00000003429 XP_023231567.1 37.5
606 350 13 15 599 39 636 2.50E-98 367.9 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000003431 6596 446.8 UdeM00000003431 XP_045160582.1 58.5 436
157 8 5 424 493 920 3.40E-122 446.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003432 6596 546.6 UdeM00000003432 XP_045160585.1 63.2 487
167 5 50 533 8 485 4.90E-152 546.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003433 6596 546.6 UdeM00000003433 XP_045160585.1 63.2 487
167 5 51 534 8 485 4.90E-152 546.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003434 1735272 563.9 UdeM00000003434 XP_041356738.1 77.6
371 81 2 1 369 1 371 1.50E-157 563.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003435 6596 177.2 UdeM00000003435 XP_045157679.1 72.3 119
31 2 6 123 34 151 1.30E-41 177.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003436 6565 256.9 UdeM00000003436 XP_022318026.1 78.1 151
28 2 1 147 1 150 1.60E-65 256.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003437 6596 137.9 UdeM00000003437 XP_045158181.1 53.3 167
73 2 4 168 22 185 1.80E-29 137.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003438 6596 476.5 UdeM00000003438 XP_045160935.1 41.2 633
328 13 2 626 85 681 8.70E-131 476.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000003439 48701 320.9 UdeM00000003439 XP_014832194.1 39.4 469
 268 8 1 462 128 587 2.70E-84 320.9 48701 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoides;Poeciliidae;Poeciliinae;Poecilia;Poecilia mexicana
 UdeM00000003440 6596 92 UdeM00000003440 XP_045158759.1 34.8 164
 89 4 44 191 25 186 8.60E-16 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euteleostomi;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000003441 29159 2407.9 UdeM00000003441 XP_034312697.1 66.5
 1878 496 24 1 1812 127 1937 0.00E+00 2407.9
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003442 29159 2376.7 UdeM00000003442 XP_034312695.1 64.7
 1927 499 26 1 1857 127 1941 0.00E+00 2376.7
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003443 29159 2397.9 UdeM00000003443 XP_034312695.1 66.2
 1882 500 25 1 1812 127 1941 0.00E+00 2397.9
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003444 29159 2406.3 UdeM00000003444 XP_034312697.1 65.8
 1878 509 24 1 1811 127 1937 0.00E+00 2406.3
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003445 6500 280.4 UdeM00000003445 XP_012940147.1 83.2 155
 26 0 3 157 86 240 1.40E-72 280.4 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000003446 6500 266.2 UdeM00000003446 XP_012940147.1 83 147
 25 0 1 147 94 240 2.60E-68 266.2 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000003447 6596 644.8 UdeM00000003447 XP_045158757.1 72 540
 121 8 94 613 44 573 1.10E-181 644.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003448 6565 160.2 UdeM00000003448 XP_022308193.1 54 139
61 2 1 139 423 558 1.90E-36 160.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003449 2607531 261.9 UdeM00000003449 XP_036362262.1 36.2
687 338 11 3 643 55 687 2.10E-66 261.9 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000003450 225164 96.3 UdeM00000003450 XP_009047897.1 56.5
92 32 2 9 100 23 106 3.80E-17 96.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000003451 6596 412.1 UdeM00000003451 XP_045158657.1 71.8 305
82 2 1 305 1 301 6.00E-112 412.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003452 29159 372.5 UdeM00000003452 XP_034310892.1 74.1 232
60 0 1 232 288 519 4.00E-100 372.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003453 6596 641 UdeM00000003453 XP_045190527.1 49.5 656
320 5 57 707 3 652 1.80E-180 641 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003454 6596 309.7 UdeM00000003454 XP_045158660.1 56.9 255
106 3 20 273 28 279 3.70E-81 309.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003455 6596 698.7 UdeM00000003455 XP_045158663.1 75.9 424
101 1 52 475 103 525 5.00E-198 698.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003456 6573 73.6 UdeM00000003456 XP_021363087.1 48.8 84
41 2 9 91 9 91 3.60E-10 73.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003458 1735272 2564.6 UdeM00000003458 XP_041360035.1
 76.8 1792 396 8 1 1789 6 1781 0.00E+00 2564.6
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003459 6565 623.6 UdeM00000003459 XP_022317390.1 91.5 329
 28 0 1 329 1 329 1.40E-175 623.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003460 29159 354.8 UdeM00000003460 XP_034313302.1 73.6 242
 64 0 1 242 1 242 1.20E-94 354.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003462 6579 325.1 UdeM00000003462 XP_033738146.1 71.4 231
 65 1 19 248 57 287 2.20E-85 325.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003463 400727 431.8 UdeM00000003463 XP_025109624.1 59.9
 344 131 1 1 344 4 340 8.30E-118 431.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000003464 6596 121.3 UdeM00000003464 XP_045158907.1 82.4 68
 12 0 13 80 163 230 6.90E-25 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003465 6596 163.3 UdeM00000003465 XP_045158907.1 75 104
 26 0 487 590 233 336 9.40E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003466 6573 2141.7 UdeM00000003466 XP_021357229.1 77.4
 1391 306 7 1 1385 8 1395 0.00E+00 2141.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003467 1735272 401.7 UdeM00000003467 XP_041358440.1 58.7
 339 138 2 36 373 8 345 1.50E-108 401.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003468 29159 60.5 UdeM00000003468 XP_034302955.1 48.5 66
 31 1 4 66 328 393 1.30E-06 60.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000003469 6596 933.3 UdeM00000003469 XP_045158923.1 70 617
182 2 80 694 975 1590 1.70E-268 933.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003470 6596 1094 UdeM00000003470 XP_045158924.1 57.8 959
395 4 43 998 27 978 0.00E+00 1094 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003473 6596 278.1 UdeM00000003473 XP_045159029.1 49.5 440
187 11 1 409 795 1230 1.80E-71 278.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003471 6596 1424.5 UdeM00000003471 XP_045159031.1 71.6
1078 270 12 18 1063 140 1213 0.00E+00 1424.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003472 6596 1422.1 UdeM00000003472 XP_045159031.1 71.1
1078 275 12 18 1062 140 1213 0.00E+00 1422.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003474 6596 482.6 UdeM00000003474 XP_045158339.1 78.4 301
62 2 1 299 1 300 3.70E-133 482.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003475 6596 387.1 UdeM00000003475 XP_045158339.1 82.3 220
39 0 1 220 81 300 1.60E-104 387.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003476 6596 475.3 UdeM00000003476 XP_045158339.1 78.7 296
60 2 1 294 1 295 5.60E-131 475.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003477 6412 102.8 UdeM00000003477 XP_009016697.1 53 100
43 1 17 112 146 245 2.90E-19 102.8 6412 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
ssisphoniidae;Helobdella;Helobdella robusta
UdeM00000003478 6565 209.1 UdeM00000003478 XP_022317621.1 81.2 117
22 0 1 117 135 251 3.00E-51 209.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003479 29159 1612.8 UdeM00000003479 XP_034312554.1 70.8
1330 316 10 255 1575 309 1574 0.00E+00 1612.8
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000003480 29159 1612.4 UdeM00000003480 XP_034312554.1 70.7
1331 316 10 255 1576 309 1574 0.00E+00 1612.4
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000003481 6565 456.8 UdeM00000003481 XP_022316534.1 45.4 679
296 16 1 633 1 650 6.50E-125 456.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003483 6596 747.7 UdeM00000003483 XP_045160506.1 41.9 1198
511 25 16 1155 65 1135 2.30E-212 747.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003484 6596 622.1 UdeM00000003484 XP_045160511.1 61.4 516
186 5 17 523 12 523 6.60E-175 622.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003485 6579 648.3 UdeM00000003485 XP_033738002.1 62.3 541
193 3 5 545 3 532 8.80E-183 648.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000003486 6579 149.8 UdeM00000003486 XP_033738004.1 46.2 171
85 3 20 190 18 181 4.90E-33 149.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000003487 6596 372.1 UdeM00000003487 XP_045160319.1 41.4 561
282 12 24 558 2 541 1.30E-99 372.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000003488 6596 104.8 UdeM00000003488 XP_045204471.1 47.7 111
 53 1 2 107 10 120 1.00E-19 104.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003489 6596 113.2 UdeM00000003489 XP_045170381.1 52.3 109
 46 2 5 107 3 111 2.90E-22 113.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003490 6596 256.5 UdeM00000003490 XP_045157611.1 51 257
 122 2 182 434 78 334 6.20E-65 256.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003491 6596 306.6 UdeM00000003491 XP_045157611.1 51.4 294
 139 2 9 298 78 371 3.50E-80 306.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003492 6565 435.3 UdeM00000003492 XP_022339409.1 48.7 472
 225 6 12 480 6 463 1.10E-118 435.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003493 6565 439.1 UdeM00000003493 XP_022339409.1 48.8 477
 225 7 94 566 6 467 8.50E-120 439.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003494 29159 305.4 UdeM00000003494 XP_011455684.2 74.3 214
 50 2 76 288 236 445 8.30E-80 305.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003495 7725 76.6 UdeM00000003495 XP_039259523.1 46.5 71
 38 0 1 71 85 155 1.40E-11 76.6 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
 clava
 UdeM00000003497 6565 703 UdeM00000003497 XP_022317755.1 75.2 427
 106 0 2 428 95 521 2.40E-199 703 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003498 6579 1087.4 UdeM00000003498 XP_033738305.1 65.1
 879 261 11 1 870 1 842 0.00E+00 1087.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000003499 6596 388.7 UdeM00000003499 XP_045160266.1 67.5 265
85 1 1 265 3 266 6.10E-105 388.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003500 6596 618.2 UdeM00000003500 XP_045160265.1 50 602
300 1 6 607 16 616 1.20E-173 618.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003502 37653 435.6 UdeM00000003502 XP_014784143.1 98.2 219
4 0 1 219 7 225 3.60E-119 435.6 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000003503 37653 235.3 UdeM00000003503 XP_014784143.1 99.1 115
1 0 1 115 7 121 3.80E-59 235.3 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000003504 29159 430.3 UdeM00000003504 XP_011432071.2 59.1 337
131 3 1 335 1 332 2.30E-117 430.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000003505 2607531 459.9 UdeM00000003505 XP_029641982.1 45.6
559 242 8 6 507 7 560 4.40E-126 459.9 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000003506 6596 270 UdeM00000003506 XP_045160416.1 45.6 406
166 16 35 400 41 431 4.80E-69 270 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003507 6565 236.5 UdeM00000003507 XP_022314794.1 74.4 156
40 0 10 165 175 330 2.40E-59 236.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003508 6596 200.3 UdeM00000003508 XP_045158827.1 64.7 150
52 1 1 149 1 150 3.00E-48 200.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003509 6596 200.3 UdeM00000003509 XP_045158827.1 64.7 150
52 1 1 149 1 150 2.30E-48 200.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003511 6596 124.4 UdeM00000003511 XP_045158819.1 41.8 177
89 6 6 174 161 331 1.40E-25 124.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003513 6596 360.5 UdeM00000003513 XP_045184054.1 31.8 881
519 22 459 1273 10 874 8.60E-96 360.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003515 6596 307.4 UdeM00000003515 XP_045158818.1 71.5 186
53 0 9 194 39 224 1.30E-80 307.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003514 6596 308.5 UdeM00000003514 XP_045158818.1 66.7 201
67 0 29 229 24 224 7.00E-81 308.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003517 6596 163.3 UdeM00000003517 XP_045158816.1 57.9 140
52 2 1 133 1 140 2.20E-37 163.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003516 6596 189.9 UdeM00000003516 XP_045158816.1 59.1 159
58 2 1 152 1 159 1.30E-44 189.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003518 6596 733 UdeM00000003518 XP_045158816.1 74.7 470
119 0 149 618 286 755 3.10E-208 733 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003519 1735272 84 UdeM00000003519 XP_041360327.1 50.6
83 38 1 1 80 1 83 6.80E-13 84 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003520 1735272 84 UdeM00000003520 XP_041360327.1 50.6
83 38 1 1 80 1 83 6.60E-13 84 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000003521 6579 180.3 UdeM00000003521 XP_033738842.1 37.9 327
178 8 3 314 2 318 3.90E-42 180.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000003522 6596 409.1 UdeM00000003522 XP_045159595.1 78 254
51 1 1 249 1 254 4.20E-111 409.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003523 7719 176.4 UdeM00000003523 XP_004227365.1 55 140
62 1 8 146 23 162 2.60E-41 176.4 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
intestinalis
UdeM00000003524 6596 350.1 UdeM00000003524 XP_045159595.1 69.7 241
73 0 1 241 1 241 2.30E-93 350.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003525 6596 149.8 UdeM00000003525 XP_045159594.1 50.8 130
64 0 6 135 15 144 2.50E-33 149.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003526 6565 350.9 UdeM00000003526 XP_022318692.1 75.4 211
52 0 6 216 1 211 1.20E-93 350.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003527 6596 476.9 UdeM00000003527 XP_045159844.1 44.2 735
332 16 165 881 225 899 5.80E-131 476.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003528 6596 322.8 UdeM00000003528 XP_045159845.1 65.4 228
74 1 1 223 1 228 3.50E-85 322.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003531 6573 262.7 UdeM00000003531 XP_021366163.1 96.9 130
4 0 1 130 7 136 2.50E-67 262.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003530 6596 875.5 UdeM00000003530 XP_045159849.1 76.8 565
 121 5 1 556 1 564 3.50E-251 875.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003529 6596 876.7 UdeM00000003529 XP_045159854.1 82.9 519
 70 2 1 500 1 519 1.40E-251 876.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003533 29159 65.1 UdeM00000003533 XP_034299474.1 33 112
 72 2 2 112 646 755 6.60E-08 65.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003534 29159 115.9 UdeM00000003534 XP_034309203.1 24.3 482
 241 12 9 490 15 372 1.50E-22 115.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003535 37653 681.8 UdeM00000003535 XP_014780139.1 68.3 505
 150 6 1 499 2 502 6.60E-193 681.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000003536 6596 521.2 UdeM00000003536 XP_045160406.1 76.3 354
 74 5 1 347 1 351 1.00E-144 521.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003537 6565 319.3 UdeM00000003537 XP_022319758.1 68.9 222
 68 1 1 222 1 221 3.90E-84 319.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003538 6596 329.7 UdeM00000003538 XP_045160405.1 54.8 292
 125 2 1 286 373 663 3.70E-87 329.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003539 6596 631.7 UdeM00000003539 XP_045159806.1 62.9 450
 166 1 14 462 46 495 7.30E-178 631.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003540 6596 438 UdeM00000003540 XP_045159814.1 46.7 482
 251 4 1 480 1 478 1.60E-119 438 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003541 6573 238 UdeM00000003541 XP_021362206.1 56 218
87 2 19 235 28 237 1.30E-59 238 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003542 1735272 152.5 UdeM00000003542 XP_041360149.1 28.9
346 227 10 1 341 245 576 9.80E-34 152.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003543 6565 168.7 UdeM00000003543 XP_022314461.1 36.8 266
152 5 94 355 53 306 1.40E-38 168.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000003544 6596 525.4 UdeM00000003544 XP_045159842.1 62.5 416
146 5 45 455 10 420 9.80E-146 525.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003545 6573 221.5 UdeM00000003545 XP_021378858.1 41.5 371
181 11 67 412 70 429 2.20E-54 221.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003546 6573 221.5 UdeM00000003546 XP_021378858.1 41.5 371
181 11 47 392 70 429 2.10E-54 221.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003547 225164 224.6 UdeM00000003547 XP_009065640.1 37.2
379 201 11 12 370 1 362 2.10E-55 224.6 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000003548 6596 282.3 UdeM00000003548 XP_045157593.1 45.6 395
196 10 1 384 1 387 9.00E-73 282.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003549 6596 412.5 UdeM00000003549 XP_045157593.1 56.3 394
159 6 1 386 1 389 5.80E-112 412.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003550 6596 305.1 UdeM00000003550 XP_045157593.1 47.2 390
185 8 1 377 1 382 1.30E-79 305.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003551 6596 328.2 UdeM00000003551 XP_045157593.1 51.2 389
168 9 1 374 1 382 1.40E-86 328.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003552 6596 328.2 UdeM00000003552 XP_045157593.1 51.2 389
168 9 5 378 1 382 1.40E-86 328.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003553 6596 941 UdeM00000003553 XP_045160447.1 72.7 656
158 7 18 658 33 682 8.00E-271 941 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003554 6579 192.6 UdeM00000003554 XP_033738450.1 60.8 181
57 2 1 181 483 649 1.40E-45 192.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003555 6596 606.7 UdeM00000003555 XP_045160132.1 69.7 439
120 5 2 432 5 438 5.80E-170 606.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003556 6596 340.1 UdeM00000003556 XP_045177362.1 43.2 421
229 6 2 414 5 423 4.00E-90 340.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003558 13397 91.3 UdeM00000003558 XP_041064467.1 30.1 196
108 4 1 196 295 461 1.60E-15 91.3 13397 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharodon;Carcharodon carcharias

UdeM00000003559 6596 372.1 UdeM00000003559 XP_045157835.1 50.8 360
174 2 65 422 95 453 9.80E-100 372.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003560 6596 110.2 UdeM00000003560 XP_045157835.1 42.6 129
74 0 3 131 129 257 2.50E-21 110.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003561 29159 224.6 UdeM00000003561 XP_011429300.2 23 868
555 19 172 943 214 1064 5.40E-55 224.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003562 1735272 2879.7 UdeM00000003562 XP_041359195.1
65.1 2298 663 22 8 2271 6 2197 0.00E+00 2879.7
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003563 1735272 484.2 UdeM00000003563 XP_041359193.1 80.3
320 62 1 1 320 1452 1770 1.30E-133 484.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003564 6579 444.5 UdeM00000003564 XP_033738282.1 59.5 341
136 2 30 370 6 344 1.30E-121 444.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003565 6579 444.5 UdeM00000003565 XP_033738282.1 59.5 341
136 2 43 383 6 344 1.40E-121 444.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003566 29159 327.4 UdeM00000003566 XP_011428208.2 57.6 523
183 5 20 536 17 506 3.40E-86 327.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003567 6596 102.8 UdeM00000003567 XP_045157518.1 78.5 65
14 0 30 94 52 116 2.40E-19 102.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003568 6596 120.9 UdeM00000003568 XP_045157518.1 67.2 116
36 2 1 114 1 116 1.00E-24 120.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003569 6596 199.5 UdeM00000003569 XP_045162406.1 35.1 419
248 10 1 408 1 406 8.10E-48 199.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003572 1735272 359 UdeM00000003572 XP_041359191.1 72.9
 247 63 3 144 390 1966 2208 7.90E-96 359 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003573 6579 441 UdeM00000003573 XP_033738282.1 59.9 344
 134 3 7 348 3 344 1.40E-120 441 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003574 29159 328.2 UdeM00000003574 XP_011428208.2 57.7 520
 184 5 20 533 17 506 2.00E-86 328.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003575 6596 120.9 UdeM00000003575 XP_045157518.1 67.2 116
 36 2 1 114 1 116 1.00E-24 120.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003576 6596 153.7 UdeM00000003576 XP_045162406.1 33.4 365
 205 11 1 347 62 406 4.40E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003577 6579 87 UdeM00000003577 XP_033750916.1 36.1 119
 76 0 77 195 124 242 2.80E-14 87 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003578 6579 86.7 UdeM00000003578 XP_033750916.1 38.3 107
 66 0 4 110 136 242 2.10E-14 86.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003579 29159 282.7 UdeM00000003579 XP_034339024.1 37 481
 193 7 1 375 1 477 7.50E-73 282.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003580 6596 1285.8 UdeM00000003580 XP_045171466.1 63
 971 345 8 8 969 545 1510 0.00E+00 1285.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003581 6596 1555.4 UdeM00000003581 XP_045171466.1 52.9
 1505 523 17 8 1331 11 1510 0.00E+00 1555.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003582 6596 426.8 UdeM00000003582 XP_045160921.1 33.1 779
364 13 67 704 3458 4220 5.50E-116 426.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM000000028791 6565 254.2 UdeM000000028791 XP_022295999.1 44.8 299
163 2 62 358 119 417 2.70E-64 254.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM000000028792 105023 418.3 UdeM000000028792 XP_015832376.1 59.6
317 126 1 9 325 47 361 9.10E-114 418.3 105023
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothobranchius furzeri

UdeM000000028793 1250792 139.4 UdeM000000028793 XP_041861569.1 47
151 77 2 29 179 520 667 4.40E-30 139.4 1250792
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM000000028794 1529436 69.7 UdeM000000028794 XP_033102039.1 43.7
87 43 3 36 121 295 376 3.10E-09 69.7 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM000000028795 6565 417.2 UdeM000000028795 XP_022333186.1 91.7 228
19 0 1 228 1 228 1.80E-113 417.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM000000028796 7741 374 UdeM000000028796 XP_019632020.1 85.4 213
31 0 1 213 25 237 1.40E-100 374 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM000000028797 225164 518.8 UdeM000000028797 XP_009045999.1 40.7
720 347 18 30 713 51 726 1.10E-143 518.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000028799 72036 87.4 UdeM00000028799 XP_040576246.1 39.7 126
68 3 1 122 1 122 1.40E-14 87.4 72036 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
aligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000028801 6596 431 UdeM00000028801 XP_045156424.1 57.4 331
138 2 144 472 575 904 2.00E-117 431 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028802 6596 222.2 UdeM00000028802 XP_045156424.1 37.8 365
190 11 33 369 177 532 1.10E-54 222.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028805 6579 178.3 UdeM00000028805 XP_033741736.1 53.2 171
78 1 1 169 671 841 8.60E-42 178.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028806 6579 477.6 UdeM00000028806 XP_033739131.1 63 343
127 0 1 343 1028 1370 1.30E-131 477.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028808 6579 698.7 UdeM00000028808 XP_033728194.1 51.2 693
325 5 1 684 282 970 7.20E-198 698.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031780 6596 208.4 UdeM00000031780 XP_045201937.1 52.7 205
97 0 1 205 1 205 1.00E-50 208.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031781 6596 953.7 UdeM00000031781 XP_045199854.1 57.9 810
272 7 132 876 302 1107 1.60E-274 953.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031782 6596 199.5 UdeM00000031782 XP_045199854.1 44.2 226
121 3 16 239 882 1104 4.80E-48 199.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031783 6596 208.8 UdeM00000031783 XP_045199854.1 44.8 212
 117 0 64 275 887 1098 9.30E-51 208.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031784 6596 412.5 UdeM00000031784 XP_045201159.1 75.3 271
 59 2 524 786 568 838 1.20E-111 412.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031785 29159 251.1 UdeM00000031785 XP_034330465.1 66.1 171
 58 0 7 177 62 232 1.10E-63 251.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031786 6579 337 UdeM00000031786 XP_033760247.1 58.9 248
 102 0 6 253 260 507 2.10E-89 337 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031788 32473 131.3 UdeM00000031788 XP_027863162.1 68.8 80
 25 0 1 80 71 150 5.40E-28 131.3 32473 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Xiphophorus;Xiph
 ophorus couchianus

UdeM00000031789 181472 224.2 UdeM00000031789 XP_029975096.1 53.8
 199 66 1 1 173 78 276 1.30E-55 224.2 181472
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Blennioidei;Blenniidae;Salariinae;Salaris;Salaris fasciatus

UdeM00000031790 30732 180.3 UdeM00000031790 XP_024118320.1 42.3 208
 118 2 14 221 409 614 2.80E-42 180.3 30732 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
 oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
 melastigma

UdeM00000031791 7604 280.8 UdeM00000031791 XP_033641610.1 43.8 345
 186 5 17 359 37 375 2.40E-72 280.8 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000031792 215358 159.5 UdeM00000031792 XP_027132200.1 33.1
 293 175 7 1 284 1 281 6.60E-36 159.5 215358
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae
 sedis;Sciaenidae;Larimichthys;Larimichthys crocea
 UdeM00000031793 6596 475.3 UdeM00000031793 XP_045201513.1 45.5 1003
 385 37 57 951 22 970 1.80E-130 475.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031794 6596 88.6 UdeM00000031794 XP_045201513.1 35.4 305
 143 17 57 331 22 302 1.70E-14 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031795 6579 434.5 UdeM00000031795 XP_033760568.1 77.7 273
 60 1 19 291 12 283 1.10E-118 434.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031796 6579 340.9 UdeM00000031796 XP_033749692.1 67.2 232
 70 3 1 231 1 227 1.30E-90 340.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031797 6596 198.4 UdeM00000031797 XP_045199633.1 93.4 106
 3 1 1 106 5 106 4.70E-48 198.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031798 29159 162.5 UdeM00000031798 XP_011445318.2 49.3 146
 70 2 239 384 2079 2220 1.50E-36 162.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031800 29159 151.4 UdeM00000031800 XP_011445318.2 47.2 144
 72 2 241 384 2081 2220 3.40E-33 151.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031802 6579 638.3 UdeM00000031802 XP_033760162.1 48.4 754
 345 14 1 734 1 730 1.20E-179 638.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031803 6526 102.8 UdeM00000031803 XP_013068722.1 39.6 139
 81 2 13 149 15 152 4.40E-19 102.8 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000031805 6579 339.3 UdeM00000031805 XP_033744278.1 54.5 288
130 1 1 287 726 1013 4.80E-90 339.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031806 6596 88.2 UdeM00000031806 XP_045200612.1 34.9 149
89 4 2 147 34 177 1.50E-14 88.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031807 37653 107.5 UdeM00000031807 XP_014784554.1 45 111
59 2 4 113 39 148 1.30E-20 107.5 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000031808 6500 118.6 UdeM00000031808 NP_001191663.1 49.6 115
58 0 1 115 54 168 5.40E-24 118.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000031810 6579 226.5 UdeM00000031810 XP_033731124.1 41.6 310
152 7 10 294 6 311 4.50E-56 226.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031811 6596 206.1 UdeM00000031811 XP_045176664.1 27.8 568
338 19 7 520 8 557 1.10E-49 206.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031812 6596 191 UdeM00000031812 XP_045176664.1 28.3 527
306 19 7 479 8 516 3.50E-45 191 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031813 6596 166 UdeM00000031813 XP_045176664.1 25.5 569
305 17 4 469 5 557 1.20E-37 166 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031814 1735272 62.8 UdeM00000031814 XP_041350990.1 45.2
62 34 0 125 186 461 522 5.40E-07 62.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031816 6565 77 UdeM00000031816 XP_022340761.1 52.1 73
 31 1 1 69 7 79 1.10E-11 77 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031815 6573 133.7 UdeM00000031815 XP_021346929.1 44.9 156
 79 1 5 153 13 168 2.30E-28 133.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031817 6565 100.9 UdeM00000031817 XP_022340762.1 37.3 153
 91 3 7 158 7 155 1.60E-18 100.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031819 6573 94.7 UdeM00000031819 XP_021353057.1 63.4 71
 26 0 13 83 29 99 6.10E-17 94.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031820 6565 112.1 UdeM00000031820 XP_022340762.1 43.2 146
 81 2 10 154 7 151 6.90E-22 112.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031821 6596 162.9 UdeM00000031821 XP_045200107.1 37.5 240
 136 4 1358 1583 1 240 3.40E-36 162.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031822 6689 470.7 UdeM00000031822 XP_027227974.1 85.8 247
 35 0 6 252 7 253 1.20E-129 470.7 6689 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus vannamei
 UdeM00000031823 2607531 910.6 UdeM00000031823 XP_029634269.1 62.6
 690 255 2 2 688 19 708 1.20E-261 910.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000031826 114398 272.7 UdeM00000031826 XP_042913678.1 41.3
 356 202 3 1 352 108 460 6.60E-70 272.7 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000031827 7574 83.6 UdeM00000031827 XP_013380206.1 41 83
 48 1 31 112 207 289 1.80E-13 83.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000031828 6596 1629.4 UdeM00000031828 XP_045199634.1 61.2
1394 424 10 5 1334 131 1471 0.00E+00 1629.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031829 6596 1638.2 UdeM00000031829 XP_045199634.1 62.3
1370 424 10 5 1310 131 1471 0.00E+00 1638.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031830 6573 136.7 UdeM00000031830 XP_021355076.1 59.7 119
46 2 14 132 83 199 4.50E-29 136.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031831 218467 144.8 UdeM00000031831 XP_023213948.1 47.6
170 88 1 4 173 1458 1626 1.20E-31 144.8 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000031832 6596 76.6 UdeM00000031832 XP_045185911.1 45.2 73
40 0 1 73 1 73 2.20E-11 76.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031834 6596 224.9 UdeM00000031834 XP_045201521.1 58.9 190
71 4 2 186 12 199 8.30E-56 224.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031835 37653 428.7 UdeM00000031835 XP_014778991.1 84.3 230
36 0 1 230 16 245 4.70E-117 428.7 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000031836 6579 425.6 UdeM00000031836 XP_033760471.1 58.5 342
135 2 6 340 5 346 5.90E-116 425.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031837 29159 161.8 UdeM00000031837 XP_011425843.2 24 621
382 26 1810 2409 624 1175 1.10E-35 161.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031840 6596 452.6 UdeM00000031840 XP_045201163.1 59.9 357
 140 3 1 356 16 370 4.70E-124 452.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031841 6596 792.7 UdeM00000031841 XP_045201160.1 41.1 1269
 575 29 21 1187 7 1204 6.30E-226 792.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031842 6412 166 UdeM00000031842 XP_009016697.1 38.8 245
 105 2 1 200 1 245 4.90E-38 166 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000031843 6596 187.2 UdeM00000031843 XP_045201160.1 58.5 147
 60 1 1 146 1202 1348 1.70E-44 187.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031844 6596 108.2 UdeM00000031844 XP_045201160.1 50 98
 48 1 13 109 1251 1348 8.00E-21 108.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031845 6596 723.4 UdeM00000031845 XP_045201334.1 56.5 722
 247 16 3 676 14 716 2.70E-205 723.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031846 6596 485.3 UdeM00000031846 XP_045200163.1 84.4 352
 55 0 10 361 651 1002 6.60E-134 485.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031847 6596 390.6 UdeM00000031847 XP_045200167.1 57.7 395
 137 10 1 373 108 494 2.30E-105 390.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031848 6596 100.5 UdeM00000031848 XP_045200165.1 82.1 56
 10 0 1 56 48 103 1.20E-18 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031849 6596 387.1 UdeM00000031849 XP_045200165.1 40.7 693
 349 16 1 648 115 790 4.40E-104 387.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031850 6596 1006.9 UdeM00000031850 XP_045200163.1 83.2
 649 105 1 1 645 3 651 1.20E-290 1006.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031851 6596 1093.6 UdeM00000031851 XP_045200790.1 64.4
 809 261 6 60 844 29 834 0.00E+00 1093.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031852 6596 1751.1 UdeM00000031852 XP_045200790.1 63.3
 1454 420 14 89 1479 834 2237 0.00E+00 1751.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031853 6596 248.4 UdeM00000031853 XP_045200794.1 59.9 212
 68 4 1 211 301 496 1.20E-62 248.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031854 6596 286.6 UdeM00000031854 XP_045200794.1 77.1 170
 39 0 1 170 127 296 2.10E-74 286.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031855 6573 161.8 UdeM00000031855 XP_021361574.1 64.6 113
 40 0 16 128 28 140 5.90E-37 161.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031856 6573 82.8 UdeM00000031856 XP_021344823.1 44.2 86
 48 0 36 121 33 118 3.30E-13 82.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031857 6596 344.4 UdeM00000031857 XP_045199715.1 52.1 315
 143 5 7 320 120 427 1.60E-91 344.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031858 6596 70.5 UdeM00000031858 XP_045199715.1 51.7 89
 32 4 8 86 438 525 2.30E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031859 29159 256.9 UdeM00000031859 XP_011449844.1 23.6 669
 499 6 15 673 16 682 7.10E-65 256.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031860 6596 470.7 UdeM00000031860 XP_045160232.1 65.4 356
 118 3 194 547 218 570 2.50E-129 470.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031862 6596 105.1 UdeM00000031862 XP_045160229.1 81.7 60
 11 0 3 62 4 63 1.70E-19 105.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031861 6596 105.1 UdeM00000031861 XP_045160229.1 81.7 60
 11 0 3 62 4 63 3.00E-19 105.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031863 6596 615.5 UdeM00000031863 XP_045160229.1 76.2 369
 88 0 1 369 74 442 4.30E-173 615.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031864 6565 201.8 UdeM00000031864 XP_022317095.1 39.5 248
 139 4 11 257 12 249 1.00E-48 201.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031865 6596 354.4 UdeM00000031865 XP_045160196.1 41.2 439
 246 6 8 443 7 436 2.10E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031866 1735272 504.6 UdeM00000031866 XP_041350473.1 60.2
 472 164 4 1 472 1 448 1.40E-139 504.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031867 29159 563.9 UdeM00000031867 XP_011445956.1 79.7 325
 63 1 1 325 1 322 1.30E-157 563.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031868 29159 555.4 UdeM00000031868 XP_011445956.1 79.4 321
 63 1 1 321 5 322 4.60E-155 555.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031869 29159 195.7 UdeM00000031869 XP_034315091.1 48.9 266
 135 1 11 276 12 276 8.70E-47 195.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031870 6596 3523.4 UdeM00000031870 XP_045161012.1 49.4
 3601 1485 33 58 3447 64 3539 0.00E+00 3523.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031871 6596 2935.2 UdeM00000031871 XP_045160168.1 45.7
 3870 1822 84 8 3719 128 3876 0.00E+00 2935.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031872 6596 385.2 UdeM00000031872 XP_045160165.1 54.8 354
 151 4 3 351 612 961 9.20E-104 385.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031873 6596 979.2 UdeM00000031873 XP_045160165.1 59 840
 329 8 8 838 128 961 3.40E-282 979.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031874 6596 117.5 UdeM00000031874 XP_045160165.1 57 100
 43 0 37 136 9 108 1.40E-23 117.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031875 6596 92.4 UdeM00000031875 XP_045158292.1 51.6 95
 43 1 4 95 1 95 7.50E-16 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031876 6596 425.2 UdeM00000031876 XP_045158292.1 44.4 620
 197 12 7 606 150 641 1.50E-115 425.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031877 6596 397.5 UdeM00000031877 XP_045158292.1 53.1 437
 177 9 6 424 215 641 2.50E-107 397.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031878 6565 958.7 UdeM00000031878 XP_022314345.1 71.8 674
 172 5 98 764 10 672 4.30E-276 958.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031879 6596 443 UdeM00000031879 XP_045182567.1 53.6 386
 173 3 52 434 14 396 4.70E-121 443 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031880 225164 392.9 UdeM00000031880 XP_009048435.1 54.2
 334 150 2 58 391 3 333 4.80E-106 392.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000031881 6596 1594.3 UdeM00000031881 XP_045160306.1 74.1
 1044 267 2 18 1060 18 1059 0.00E+00 1594.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031882 6596 1247.6 UdeM00000031882 XP_045214099.1 46
 1477 740 16 70 1505 8 1467 0.00E+00 1247.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031883 6596 1248.8 UdeM00000031883 XP_045214099.1 46
 1479 741 16 26 1463 6 1467 0.00E+00 1248.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031884 6596 573.9 UdeM00000031884 XP_045174310.1 68.2 421
 127 3 6 420 35 454 1.70E-160 573.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031885 6596 449.9 UdeM00000031885 XP_045159739.1 51.2 510
 165 8 7 510 40 471 4.30E-123 449.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031887 6596 441 UdeM00000031887 XP_045159876.1 79.8 352
 71 0 5 356 9 360 1.60E-120 441 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031888 6579 281.6 UdeM00000031888 XP_033738468.1 55.6 288
 108 5 68 336 53 339 3.50E-72 281.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031889 6596 2586.6 UdeM00000031889 XP_045160896.1 45.9
 3585 1644 83 1 3441 1 3432 0.00E+00 2586.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031890 6596 92.8 UdeM00000031890 XP_045190867.1 45.4 108
 58 1 452 559 646 752 1.50E-15 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031891 6596 368.2 UdeM00000031891 XP_045158475.1 52.7 357
 164 3 45 399 1 354 1.30E-98 368.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031892 6596 81.6 UdeM00000031892 XP_045198179.1 27.9 208
 137 3 2 205 880 1078 1.20E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031893 6596 494.2 UdeM00000031893 XP_045157040.1 68.8 340
 105 1 12 350 15 354 1.40E-136 494.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031894 6596 351.3 UdeM00000031894 XP_045157040.1 52.4 330
 138 5 27 338 24 352 1.40E-93 351.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031895 6596 386.3 UdeM00000031895 XP_045158812.1 43.3 457
231 7 27 479 28 460 5.70E-104 386.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031896 6596 90.9 UdeM00000031896 XP_045181700.1 25.3 288
174 8 18 279 26 298 2.80E-15 90.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031897 2607531 79.3 UdeM00000031897 XP_036354520.1 25.2
290 186 10 5 286 21 287 8.80E-12 79.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000031898 2607531 78.6 UdeM00000031898 XP_036354520.1 24.8
290 187 10 2 283 21 287 1.50E-11 78.6 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000031899 6596 88.6 UdeM00000031899 XP_045181700.1 26.4 288
171 10 18 279 26 298 1.40E-14 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031900 2607531 79.3 UdeM00000031900 XP_036354520.1 25.2
290 186 10 5 286 21 287 8.80E-12 79.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000031901 2607531 78.6 UdeM00000031901 XP_036354520.1 24.8
290 187 10 2 283 21 287 1.50E-11 78.6 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000031902 6596 88.6 UdeM00000031902 XP_045181700.1 26.4 288
171 10 18 279 26 298 1.40E-14 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031903 2607531 79 UdeM00000031903 XP_036354520.1 24.8
290 187 10 2 283 21 287 1.10E-11 79 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000031904 6596 176 UdeM00000031904 XP_045158855.1 46 189
95 3 3 191 15 196 4.60E-41 176 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031905 6596 151.4 UdeM00000031905 XP_045158855.1 41 212
111 5 31 237 1 203 1.60E-33 151.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031906 6579 900.6 UdeM00000031906 XP_033736984.1 59.3 815
285 8 1 804 1 779 1.50E-258 900.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031907 6579 977.2 UdeM00000031907 XP_033736982.1 59 905
316 12 1 891 1 864 1.40E-281 977.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031908 6579 753.8 UdeM00000031908 XP_033736984.1 57.3 714
258 8 20 722 102 779 2.00E-214 753.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031909 6579 300.8 UdeM00000031909 XP_033743027.1 71.8 220
61 1 1 219 4 223 1.40E-78 300.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031910 29159 217.2 UdeM00000031910 XP_011422825.2 27.3 480
313 11 38 492 17 485 5.90E-53 217.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031911 29159 217.2 UdeM00000031911 XP_011422825.2 27.3 480
313 11 31 485 17 485 5.90E-53 217.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031912 6596 1387.9 UdeM00000031912 XP_045160101.1 61.4
1120 417 6 59 1171 3 1114 0.00E+00 1387.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031914 6596 1393.3 UdeM00000031914 XP_045160101.1 61.6
1120 415 6 56 1168 3 1114 0.00E+00 1393.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031916 1735272 89.4 UdeM00000031916 XP_041354209.1 28.5
137 95 2 23 158 19 153 4.60E-15 89.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031917 118141 75.5 UdeM00000031917 XP_036372011.1 33.3
108 69 2 176 281 129 235 1.20E-10 75.5 118141
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;Elopopomorpha;Elopiiformes;Megalopidae;Megalops;Megalops cyprinoides

UdeM00000031918 50390 195.7 UdeM00000031918 XP_028127913.1 44 225
125 1 1 225 1 224 6.90E-47 195.7 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000031919 7725 141.7 UdeM00000031919 XP_039263221.1 60.7 112
44 0 48 159 9 120 9.70E-31 141.7 7725 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela clava

UdeM00000031920 7741 88.6 UdeM00000031920 XP_019638446.1 29.5 176
118 3 105 278 525 696 1.40E-14 88.6 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000031921 260615 196.8 UdeM00000031921 XP_039398742.1 65.5
177 19 3 22 156 249 425 2.00E-47 196.8 260615
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000031922 6596 1221.5 UdeM00000031922 XP_045159298.1 63.1
908 321 3 1 896 1 906 0.00E+00 1221.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031925 1735272 161.4 UdeM00000031925 XP_041359136.1 72.4
105 29 0 4 108 4 108 7.00E-37 161.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000031926	1735272	184.5	UdeM00000031926	XP_041359136.1	71.2
125	36	0	4	128	4
				128	8.60E-44
				184.5	1735272

cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000031927	225164	165.6	UdeM00000031927	XP_009044028.1	52
179	76	3	1	170	1
				178	5.40E-38
				165.6	225164

cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000031928	6596	753.4	UdeM00000031928	XP_045160914.1	63.1	654
187	8	24	674	238	840	2.50E-214
						753.4
						6596

cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031929	6596	1148.3	UdeM00000031929	XP_045160914.1	46	
1610	356	16	343	1905	1357	2499
						0.00E+00
						1148.3
						6596

cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031931	6596	169.5	UdeM00000031931	XP_045159158.1	24.7	534
368	15	3	518	80	597	1.20E-38
						169.5
						6596

cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031932	6596	155.6	UdeM00000031932	XP_045159158.1	24.9	490
334	15	50	521	124	597	1.80E-34
						155.6
						6596

cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031933	29159	225.3	UdeM00000031933	XP_011428105.2	50.2	231
95	5	1	220	1	222	7.50E-56
						225.3
						29159

cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000031934	29159	195.3	UdeM00000031934	XP_011428105.2	47.7	214
92	5	46	248	18	222	9.30E-47
						195.3
						29159

cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000031935	6573	282.7	UdeM00000031935	XP_021378869.1	43.4	708
308	10	1	700	1	623	1.30E-72
						282.7
						6573

cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000031936 6573 590.5 UdeM00000031936 XP_021345270.1 34.2 1178
 696 27 41 1196 28 1148 4.80E-165 590.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031937 400727 240 UdeM00000031937 XP_025109438.1 86.2
 123 17 0 12 134 50 172 4.50E-60 240 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000031939 6596 583.6 UdeM00000031939 XP_045160478.1 61.7 444
 162 7 2 441 40 479 2.30E-163 583.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031940 1735272 483.8 UdeM00000031940 XP_041372725.1 60.2
 384 145 1 1 384 1 376 2.00E-133 483.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031941 6596 1220.7 UdeM00000031941 XP_045157952.1 68.8
 833 254 4 1 829 1 831 0.00E+00 1220.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031942 6596 1229.2 UdeM00000031942 XP_045157952.1 69
 833 253 3 1 830 1 831 0.00E+00 1229.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031943 29159 718.4 UdeM00000031943 XP_034305523.1 53.8 653
 295 6 20 670 331 978 8.80E-204 718.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031944 1735272 357.8 UdeM00000031944 XP_041359087.1 82.8
 209 36 0 21 229 19 227 1.00E-95 357.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031945 6596 488.8 UdeM00000031945 XP_045158892.1 52.4 504
 197 9 1 470 1 495 7.90E-135 488.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031946 6596 72.8 UdeM00000031946 XP_045175451.1 29.7 165
 106 2 88 252 363 517 7.90E-10 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031947 6565 2971.4 UdeM00000031947 XP_022317346.1 80.8
 1752 336 1 3 1753 1 1752 0.00E+00 2971.4 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031948 1735272 81.3 UdeM00000031948 XP_041347065.1 38.5
 148 63 3 1 121 1 147 1.10E-12 81.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031949 6596 397.9 UdeM00000031949 XP_045160234.1 53.7 415
 162 7 3 403 2 400 1.90E-107 397.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031950 6579 63.2 UdeM00000031950 XP_033730826.1 36.3 102
 49 3 11 97 264 364 2.20E-07 63.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031951 6579 62.4 UdeM00000031951 XP_033739072.1 35.2 108
 68 2 30 136 5 111 1.00E-06 62.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031952 1735272 1477.2 UdeM00000031952 XP_041357210.1
 65.1 1091 352 9 3 1072 271 1353 0.00E+00 1477.2
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031953 6596 223.8 UdeM00000031953 XP_045158808.1 52.5 223
 98 3 1 223 1 215 2.30E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031954 6500 233 UdeM00000031954 XP_005108035.1 76.3 135
 32 0 2 136 46 180 2.20E-58 233 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000031955 6579 468.8 UdeM00000031955 XP_033738525.1 66.9 335
 104 3 1 335 1 328 5.90E-129 468.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000031956 6596 801.6 UdeM00000031956 XP_045158841.1 53.4 872
379 9 28 886 16 873 1.00E-228 801.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031957 6500 79.7 UdeM00000031957 XP_012939770.1 44.4 99
49 1 71 163 67 165 3.90E-12 79.7 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000031958 6596 222.6 UdeM00000031958 XP_045160126.1 62.9 364
112 1 78 418 64 427 9.20E-55 222.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031959 1735272 464.9 UdeM00000031959 XP_041358927.1 75.1
301 68 1 1 294 1 301 7.50E-128 464.9 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000031960 1735272 602.8 UdeM00000031960 XP_041358772.1 78.2
390 78 3 8 392 14 401 3.10E-169 602.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000031961 6596 513.8 UdeM00000031961 XP_045160123.1 71 345
98 1 1 343 1 345 1.60E-142 513.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031962 6596 308.5 UdeM00000031962 XP_045160121.1 66.5 239
74 4 18 255 7 240 7.80E-81 308.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000031964 6526 521.5 UdeM00000031964 XP_013076153.1 53.8 489
215 5 23 504 64 548 1.20E-144 521.5 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeidae; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000031963 6526 521.5 UdeM00000031963 XP_013076153.1 53.8 489
215 5 63 544 64 548 1.20E-144 521.5 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeidae; Planorbidae; Biomphalaria; Biomphalaria glabrata

pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000031965 6573 613.6 UdeM00000031965 XP_021375341.1 47.1 733
132 3 1 732 54 531 3.20E-172 613.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031966 29159 1025.4 UdeM00000031966 XP_034310940.1 70.6
737 214 2 1 737 1 734 3.60E-296 1025.4
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031967 400727 190.3 UdeM00000031967 XP_025111217.1 58.2
158 66 0 8 165 23 180 2.40E-45 190.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000031972 29159 231.5 UdeM00000031972 NP_001295773.1 64 175
63 0 50 224 291 465 1.10E-57 231.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031973 6596 507.3 UdeM00000031973 XP_045160379.1 81.9 298
54 0 1 298 2 299 1.60E-140 507.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031974 6596 240.4 UdeM00000031974 XP_045160172.1 40.6 434
206 12 1 420 1 396 4.30E-60 240.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031975 6596 221.9 UdeM00000031975 XP_045160172.1 41.8 368
192 8 43 399 40 396 1.50E-54 221.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031976 6573 165.6 UdeM00000031976 XP_021369049.1 39.6 265
155 3 1 263 1 262 9.70E-38 165.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031977 29159 105.9 UdeM00000031977 XP_034313478.1 34.6 257
136 10 23 275 29 257 8.80E-20 105.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031978 6596 147.1 UdeM00000031978 XP_045160913.1 29.4 476
256 13 31 497 39 443 5.90E-32 147.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031982 2607531 447.2 UdeM00000031982 XP_029657705.1 53.9
512 205 7 1 491 1 502 2.70E-122 447.2 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000031983 1735272 126.3 UdeM00000031983 XP_041358272.1 75
72 18 0 1 72 1 72 4.80E-26 126.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031984 6596 1028.1 UdeM00000031984 XP_045159866.1 60.2
897 318 13 1 868 1 887 6.60E-297 1028.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031985 6596 511.9 UdeM00000031985 XP_045160822.1 35.5 1314
568 40 1 1246 140 1242 2.30E-141 511.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031987 6573 75.1 UdeM00000031987 XP_021356235.1 91.9 37
3 0 1 37 1 37 6.30E-11 75.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031988 6565 423.3 UdeM00000031988 XP_022317619.1 65.9 361
102 6 1 360 1 341 3.10E-115 423.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031991 6573 133.3 UdeM00000031991 XP_021346496.1 30.5 295
153 5 7 260 411 694 4.70E-28 133.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031993 6596 287.3 UdeM00000031993 XP_045158202.1 37.5 456
221 6 8 404 27 477 3.00E-74 287.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031994 6596 253.4 UdeM00000031994 XP_045158202.1 36 405
222 7 1 373 78 477 4.40E-64 253.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031995 6573 314.7 UdeM00000031995 XP_021352044.1 65.4 214
 70 1 1 210 98 311 1.00E-82 314.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031996 6579 203 UdeM00000031996 XP_033731739.1 61.4 145
 56 0 1 145 188 332 2.60E-49 203 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031997 6596 290.4 UdeM00000031997 XP_045158202.1 39.2 401
 175 4 1 333 78 477 2.90E-75 290.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031998 6596 441 UdeM00000031998 XP_045158449.1 65.9 314
 103 2 5 318 14 323 1.30E-120 441 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031999 6596 283.1 UdeM00000031999 XP_045158202.1 35.6 463
 253 7 8 429 21 479 5.90E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032000 6596 219.2 UdeM00000032000 XP_045158986.1 63.2 152
 56 0 5 156 1223 1374 9.70E-54 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032001 6596 620.9 UdeM00000032001 XP_045158986.1 41.9 888
 426 14 5 805 490 1374 2.90E-174 620.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032002 6596 315.5 UdeM00000032002 XP_045158984.1 47.6 311
 163 0 246 556 150 460 1.40E-82 315.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032003 6565 668.7 UdeM00000032003 XP_022314745.1 54.5 686
 219 12 493 1168 551 1153 1.40E-188 668.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032004 6565 310.1 UdeM00000032004 XP_022319303.1 63 246
 86 3 74 317 116 358 4.00E-81 310.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032005 6565 316.6 UdeM00000032005 XP_022319303.1 58.6 370
 129 8 1 358 1 358 4.70E-83 316.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032007 6579 184.1 UdeM00000032007 XP_033738825.1 55.7 167
 71 3 1 165 1 166 1.70E-43 184.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032006 6573 212.2 UdeM00000032006 XP_021376720.1 48.2 251
 116 5 1 243 1 245 9.50E-52 212.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032008 6573 212.2 UdeM00000032008 XP_021376720.1 48.2 251
 116 5 1 243 1 245 9.80E-52 212.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032012 6596 956.4 UdeM00000032012 XP_045158623.1 55.7 819
 284 8 3 817 4 747 2.30E-275 956.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032013 225164 865.1 UdeM00000032013 XP_009044034.1 64.6
 639 202 8 1 622 1 632 5.40E-248 865.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000032014 6565 535 UdeM00000032014 XP_022317527.1 79.8 321
 65 0 6 326 4 324 6.60E-149 535 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032015 6596 242.7 UdeM00000032015 XP_045158283.1 53.6 274
 116 5 5 272 2 270 5.60E-61 242.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032016 6573 127.5 UdeM00000032016 XP_021361990.1 45.6 125
 68 0 1 125 1 125 1.20E-26 127.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000032017 1735272 159.5 UdeM00000032017 XP_041367923.1 40
 210 114 3 1 200 154 361 4.70E-36 159.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032018 29159 918.3 UdeM00000032018 XP_034310297.1 76.2 580
 134 1 1 580 1 576 4.90E-264 918.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032019 6596 654.1 UdeM00000032019 XP_045158196.1 69.2 507
 141 5 13 516 13 507 1.50E-184 654.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032020 6579 596.7 UdeM00000032020 XP_033738595.1 75.9 386
 93 0 1 386 22 407 3.20E-167 596.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032021 6596 1259.2 UdeM00000032021 XP_045158199.1 31.9
 2547 1632 51 351 2853 105 2593 0.00E+00 1259.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032022 6573 299.3 UdeM00000032022 XP_021367798.1 42.8 369
 196 7 20 379 18 380 7.10E-78 299.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032023 6850 112.5 UdeM00000032023 XP_013789054.1 36.1 169
 108 0 4 172 15 183 1.70E-21 112.5 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000032024 6596 220.7 UdeM00000032024 XP_045159463.1 64.1 170
 59 2 1 170 188 355 1.50E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032025 29159 196.8 UdeM00000032025 XP_011415785.2 59.3 162
 64 1 1 160 1 162 2.10E-47 196.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032026 6500 271.6 UdeM00000032026 XP_012945592.1 82.8 151
 26 0 1 151 1 151 6.30E-70 271.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000032027 6596 546.2 UdeM00000032027 XP_045159457.1 49.8 703
181 9 9 690 441 992 6.60E-152 546.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032028 6596 340.1 UdeM00000032028 XP_045159457.1 69.5 243
67 2 28 270 65 300 2.80E-90 340.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032029 6573 94 UdeM00000032029 XP_021339461.1 43.9 139
71 3 3 137 629 764 1.30E-15 94 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032030 1735272 648.7 UdeM00000032030 XP_041356679.1 55.9
630 211 7 1 626 1 567 9.10E-183 648.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000032031 6596 1206 UdeM00000032031 XP_045159803.1 77.5 754
164 5 1 750 1 752 0.00E+00 1206 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032032 6596 271.6 UdeM00000032032 XP_045160201.1 90.1 161
12 1 1 157 3 163 6.50E-70 271.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032033 6596 268.9 UdeM00000032033 XP_045160201.1 89.4 161
14 1 1 158 3 163 4.30E-69 268.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032034 6579 294.3 UdeM00000032034 XP_033736644.1 67.8 667
167 6 8 674 5 623 4.00E-76 294.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032035 37653 431.4 UdeM00000032035 XP_014784515.1 72.5 291
78 1 41 329 1 291 1.00E-117 431.4 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000032036 225164 620.9 UdeM00000032036 XP_009044177.1 73.4
 421 106 4 1 417 1 419 1.20E-174 620.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000032037 6565 671.8 UdeM00000032037 XP_022314542.1 76.1 427
 99 1 1 427 6 429 5.80E-190 671.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032038 6596 997.3 UdeM00000032038 XP_045158569.1 70.4 767
 213 5 1 765 157 911 1.10E-287 997.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032039 6596 72.8 UdeM00000032039 XP_045158569.1 41.7 108
 51 3 1 102 26 127 5.10E-10 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032040 6596 282.3 UdeM00000032040 XP_045159626.1 34.8 506
 300 5 10 487 1 504 1.20E-72 282.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032041 6596 168.3 UdeM00000032041 XP_045160503.1 63.7 124
 45 0 1 124 2 125 6.10E-39 168.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032043 7719 661 UdeM00000032043 XP_009861333.1 83.4 374
 62 0 4 377 2 375 9.10E-187 661 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
 intestinalis
 UdeM00000032044 6596 596.3 UdeM00000032044 XP_045159181.1 67.8 500
 128 10 1 483 2 485 3.50E-167 596.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032045 6596 594.7 UdeM00000032045 XP_045159181.1 67.6 500
 130 10 1 484 2 485 1.00E-166 594.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032046 6579 376.7 UdeM00000032046 XP_033737854.1 80.6 227
 44 0 1 227 60 286 2.10E-101 376.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032047 6596 271.2 UdeM00000032047 XP_045159178.1 53.4 268
110 5 1 264 1 257 1.40E-69 271.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032048 6596 238.8 UdeM00000032048 XP_045159177.1 58.7 189
77 1 1 188 1 189 6.10E-60 238.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032049 6596 915.2 UdeM00000032049 XP_045159177.1 62.5 720
234 10 154 844 354 1066 6.00E-263 915.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032050 6596 236.9 UdeM00000032050 XP_045184115.1 24.9 1030
643 30 2 947 23 1005 1.10E-58 236.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032051 6596 247.7 UdeM00000032051 XP_045184115.1 25.2 1045
651 30 5 965 8 1005 6.30E-62 247.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032052 6596 668.7 UdeM00000032052 XP_045160737.1 72.7 505
121 4 16 513 17 511 9.30E-189 668.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032053 6579 293.5 UdeM00000032053 XP_033737843.1 59.1 220
90 0 126 345 97 316 3.60E-76 293.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032054 400727 203 UdeM00000032054 XP_025109352.1 73
126 34 0 3 128 9 134 2.30E-49 203 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000032055 6596 72.8 UdeM00000032055 XP_045158252.1 90 40
4 0 1 40 1 40 1.20E-10 72.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032056 400727 1479.2 UdeM00000032056 XP_025109348.1
93.2 798 52 1 7 802 8 805 0.00E+00 1479.2
400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglo
ssa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000032057 6596 494.6 UdeM00000032057 XP_045160129.1 31.2 1419
711 32 1 1361 1 1212 4.10E-136 494.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032059 6596 198.7 UdeM00000032059 XP_045157065.1 60.8 143
56 0 4 146 2 144 5.00E-48 198.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032060 6596 426 UdeM00000032060 XP_045158806.1 38.5 615
365 9 3 608 818 1428 8.00E-116 426 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032061 6596 941.8 UdeM00000032061 XP_045158806.1 58.1 767
307 7 33 791 25 785 6.00E-271 941.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032062 6596 182.6 UdeM00000032062 XP_045157174.1 78.3 120
23 1 27 143 43 162 4.20E-43 182.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032063 6596 461.1 UdeM00000032063 XP_045188813.1 56.9 411
151 3 17 401 18 428 1.50E-126 461.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032064 29159 348.6 UdeM00000032064 XP_011442333.1 83.8 191
31 0 1 191 1 191 8.10E-93 348.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032065 29159 348.6 UdeM00000032065 XP_011442333.1 83.8 191
31 0 1 191 1 191 8.90E-93 348.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032066 6579 106.7 UdeM00000032066 XP_033739227.1 26.2 653
 326 31 18 588 1052 1630 1.00E-19 106.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032067 6596 521.5 UdeM00000032067 XP_045159455.1 82.5 315
 54 1 43 357 305 618 1.10E-144 521.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032069 29159 1129.4 UdeM00000032069 XP_034305946.1 47
 1262 624 18 54 1286 314 1559 0.00E+00 1129.4
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032070 6573 742.3 UdeM00000032070 XP_021340694.1 55.7 644
 284 1 32 675 1467 2109 5.60E-211 742.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032071 6596 434.5 UdeM00000032071 XP_045159103.1 79.2 264
 55 0 1 264 25 288 1.00E-118 434.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032073 6579 516.2 UdeM00000032073 XP_033737895.1 62.6 422
 116 5 5 425 4 384 4.10E-143 516.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032075 6596 659.1 UdeM00000032075 XP_045160239.1 51.4 747
 313 19 1 706 36 773 6.60E-186 659.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032076 6596 196.1 UdeM00000032076 XP_045160240.1 87.1 101
 13 0 1 101 1 101 2.70E-47 196.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032077 6596 120.6 UdeM00000032077 XP_045160240.1 85.7 77
 11 0 8 84 113 189 1.00E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032079 1529436 60.8 UdeM00000032079 XP_033110257.1 36.9
 84 51 1 7 90 162 243 1.10E-06 60.8 1529436
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica

UdeM00000032080 6596 695.3 UdeM00000032080 XP_045160240.1 61.9 556
172 6 6 537 182 721 6.30E-197 695.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000044131 6596 388.3 UdeM00000044131 XP_045170511.1 29.8 866
507 27 337 1134 97 929 3.90E-104 388.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000036591 29159 220.7 UdeM00000036591 XP_034331610.1 45.7 256
124 6 277 529 446 689 4.40E-54 220.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036592 29159 114.8 UdeM00000036592 XP_034329456.1 47.1 104
55 0 28 131 293 396 8.90E-23 114.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036597 6596 129.4 UdeM00000036597 XP_045182313.1 48.6 146
73 2 18 161 1068 1213 4.20E-27 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000036596 6596 193.4 UdeM00000036596 XP_045182316.1 28.5 826
504 27 1 801 392 1155 1.10E-45 193.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028395 2652724 255.8 UdeM00000028395 XP_028512668.1 39.8
369 192 9 4 368 91 433 1.00E-64 255.8 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000028397 7739 281.6 UdeM00000028397 XP_035668229.1 46.2 340
167 8 3 327 17 355 1.50E-72 281.6 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae

UdeM00000028398 2652724 293.9 UdeM00000028398 XP_028512668.1 41.5
357 192 10 2 341 124 480 4.10E-76 293.9 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000028399 2652724 286.2 UdeM00000028399 XP_028512668.1 41.5
357 190 11 2 339 124 480 8.60E-74 286.2 2652724

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000028400 48498 86.3 UdeM00000028400 XP_020632435.1 32.8 195
99 8 43 226 581 754 5.60E-14 86.3 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000028401 941984 62.4 UdeM00000028401 XP_040899707.1 28.1
203 113 7 37 224 931 1115 9.90E-07 62.4 941984
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Carangaria incertae
sedis;Toxotidae;Toxotes;Toxotes jaculatrix
UdeM00000028403 37621 118.6 UdeM00000028403 XP_014676916.1 36.1 208
131 2 127 332 44 251 1.50E-23 118.6 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000028404 6596 298.1 UdeM00000028404 XP_045181920.1 50.2 281
130 4 1 274 30 307 1.20E-77 298.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028409 1047088 68.6 UdeM00000028409 XP_038194410.1 26.3
224 148 6 98 311 111 327 2.90E-08 68.6 1047088
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Cricet
idae;Arvicolinae;Arvicola;Arvicola amphibius
UdeM00000028410 7830 73.9 UdeM00000028410 XP_038669116.1 24.9 285
191 11 94 364 93 368 7.00E-10 73.9 7830 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Carcharhiniformes;Scyliorhinidae;Scylio
rhinus;Scyliorhinus canicula
UdeM00000028411 37621 106.7 UdeM00000028411 XP_014679850.1 41.9 155
80 3 14 160 76 228 3.40E-20 106.7 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000028411 37621 58.9 UdeM00000028411 XP_014679850.1 71.4 35
10 0 161 195 476 510 8.20E-06 58.9 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000028413 46514 136.3 UdeM00000028413 XP_038073135.1 42.9 161
85 2 275 435 380 533 9.10E-29 136.3 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000028417 51337 67.8 UdeM00000028417 XP_004670381.2 25.4 252
 157 9 87 328 116 346 4.60E-08 67.8 51337 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Dipodoidea;Dipo
 didae;Dipodinae;Jaculus;Jaculus jaculus
 UdeM00000028418 59472 70.1 UdeM00000028418 XP_045426894.1 27.9 251
 140 9 85 318 107 333 5.90E-09 70.1 59472 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Chiroptera;Microchiroptera;Vespertilionidae
 ;Pipistrellus;Pipistrellus kuhlii
 UdeM00000028419 7739 187.2 UdeM00000028419 XP_035686596.1 26.8 593
 263 17 1 434 1 581 4.40E-44 187.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000028420 29159 167.9 UdeM00000028420 XP_034334268.1 60.2 123
 46 1 42 164 122 241 1.10E-38 167.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028421 77115 68.2 UdeM00000028421 XP_038144245.1 44.1 68
 38 0 5 72 319 386 5.00E-09 68.2 77115 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinod
 ontini;Cyprinodon;Cyprinodon tularosa
 UdeM00000028423 1735272 62 UdeM00000028423 XP_041360657.1 31.2
 128 82 4 229 351 12 138 3.50E-06 62 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028424 29159 159.8 UdeM00000028424 XP_034313081.1 50.7 150
 73 1 1 150 137 285 2.60E-36 159.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028425 1735272 176.8 UdeM00000028425 XP_041349280.1 40.1
 262 137 6 7 258 62 313 4.10E-41 176.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028426 63436 196.8 UdeM00000028426 XP_043469808.1 32.5 372
 212 10 131 470 43 407 6.10E-47 196.8 63436 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Parasitoida;Cynipoidea;Figitidae;Eucoilinae;Leptopilina;Leptopilina heterotoma

UdeM00000028427 6565 430.6 UdeM00000028427 XP_022298331.1 70.1 291
87 0 1 291 116 406 1.60E-117 430.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028428 6573 448 UdeM00000028428 XP_021342792.1 59.8 368
144 3 9 372 99 466 1.20E-122 448 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028431 109280 142.5 UdeM00000028431 XP_019729826.1 37.8
209 107 2 6 191 10 218 5.50E-31 142.5 109280
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Syngnatharia;Syngnathiformes;Syngnathoidei;Syngnathidae;Hippocampinae;Hippocampus;Hippocampus comes

UdeM00000028432 29159 349 UdeM00000028432 XP_034334268.1 54.4 285
127 1 1 285 69 350 5.80E-93 349 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028433 143302 79 UdeM00000028433 XP_012589114.1 26.8
239 158 7 94 319 107 341 2.10E-11 79 143302
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Laurasiatheria;Eulipotyphla;Talpidae;Condylura;Condylura cristata

UdeM00000028435 6596 88.2 UdeM00000028435 XP_045162193.1 39.8 118
64 3 345 457 456 571 3.80E-14 88.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028436 441366 156.4 UdeM00000028436 XP_028326620.1 42.2
218 116 5 1 217 48 256 4.20E-35 156.4 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidae;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000035458 6596 206.1 UdeM00000035458 XP_045162610.1 27 736
 418 27 27 678 45 745 1.70E-49 206.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035460 400727 368.2 UdeM00000035460 XP_025108466.1 44.9
 437 228 4 27 463 119 542 1.60E-98 368.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000035461 6573 632.9 UdeM00000035461 XP_021354853.1 51.8 581
 276 3 194 771 147 726 5.50E-178 632.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035462 6596 156 UdeM00000035462 XP_045209241.1 28.6 465
 297 18 116 565 564 1008 1.60E-34 156 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035463 29159 161.4 UdeM00000035463 XP_034299474.1 47.8 178
 88 2 1 173 578 755 1.00E-36 161.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035464 29159 207.6 UdeM00000035464 XP_034299474.1 35.6 362
 167 6 1 296 394 755 2.20E-50 207.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035465 29159 126.7 UdeM00000035465 XP_034299474.1 50.8 118
 56 1 1 116 329 446 1.90E-26 126.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035466 7998 232.6 UdeM00000035466 XP_017334791.1 71.6 148
 42 0 1 148 1 148 3.20E-58 232.6 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus
 UdeM00000035467 7998 201.8 UdeM00000035467 XP_017322823.1 66.4 140
 47 0 1 140 113 252 5.60E-49 201.8 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus
 UdeM00000035468 7739 583.2 UdeM00000035468 XP_035696678.1 57.2 481
 203 1 2 479 423 903 3.30E-163 583.2 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000035469 7741 283.5 UdeM00000035469 XP_019622111.1 51.2 281
132 4 5 283 1 278 3.00E-73 283.5 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000035472 202533 96.3 UdeM00000035472 XP_035214075.1 30.4
273 157 8 28 280 53 312 7.70E-17 96.3 202533
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
UdeM00000035473 50429 272.7 UdeM00000035473 XP_022799197.1 30.1 594
374 12 11 579 14 591 1.10E-69 272.7 50429 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata
UdeM00000035474 29159 87.4 UdeM00000035474 XP_034320029.1 51.1 94
41 2 49 138 394 486 1.60E-14 87.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000035475 1735272 63.9 UdeM00000035475 XP_041355798.1 32.4
105 70 1 20 124 52 155 2.20E-07 63.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000035476 1735272 95.9 UdeM00000035476 XP_041355798.1 35.4
144 91 2 20 163 52 193 5.10E-17 95.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000035477 50429 256.1 UdeM00000035477 XP_022799197.1 28.6 601
383 13 4 571 5 592 1.00E-64 256.1 50429 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata
UdeM00000035479 6596 211.8 UdeM00000035479 XP_045162610.1 27.9 687
395 24 84 712 101 745 3.30E-51 211.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035481 6596 237.7 UdeM00000035481 XP_045209416.1 29.4 540
353 18 15 538 371 898 3.60E-59 237.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035482 72036 407.1 UdeM00000035482 XP_040576246.1 45.8 461
 239 6 79 535 8 461 3.40E-110 407.1 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000035484 6596 95.9 UdeM00000035484 XP_045208792.1 47.3 131
 61 4 1 125 1 129 8.80E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032879 6596 129.4 UdeM00000032879 XP_045204527.1 33.8 201
 129 1 370 566 206 406 1.40E-26 129.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032880 6596 129.4 UdeM00000032880 XP_045204527.1 33.8 201
 129 1 388 584 206 406 1.50E-26 129.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032881 6565 122.1 UdeM00000032881 XP_022320945.1 33.6 238
 130 6 308 538 185 401 2.20E-24 122.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032882 6596 167.9 UdeM00000032882 XP_045204525.1 32.5 329
 203 7 23 348 12 324 2.20E-38 167.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032883 6596 166.8 UdeM00000032883 XP_045204522.1 34.4 299
 158 7 58 348 219 487 5.00E-38 166.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032884 6596 149.8 UdeM00000032884 XP_045206725.1 25.7 404
 267 6 2 376 5 404 6.80E-33 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032885 6596 113.2 UdeM00000032885 XP_045188059.1 27 259
 164 6 288 530 165 414 1.00E-21 113.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032886 6596 119.8 UdeM00000032886 XP_045204842.1 29.6 257
 138 7 289 514 333 577 1.00E-23 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032887 6596 118.2 UdeM00000032887 XP_045204842.1 29.2 264
 158 5 288 525 317 577 3.10E-23 118.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032888 6596 164.5 UdeM00000032888 XP_045188059.1 39.9 238
 122 3 1234 1456 185 416 1.00E-36 164.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032891 6596 155.2 UdeM00000032891 XP_045203542.1 38.2 220
 120 4 210 424 598 806 1.80E-34 155.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032893 29159 73.9 UdeM00000032893 XP_034300181.1 44.2 113
 57 4 128 234 301 413 3.20E-10 73.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032896 6596 90.1 UdeM00000032896 XP_045203542.1 36.3 113
 68 2 115 223 694 806 3.80E-15 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032897 6596 153.3 UdeM00000032897 XP_045203686.1 37.6 237
 127 6 304 533 448 670 8.70E-34 153.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032898 6596 147.5 UdeM00000032898 XP_045206727.1 36.4 236
 133 5 273 496 207 437 4.50E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032899 6596 162.5 UdeM00000032899 XP_045206727.1 39.7 234
 124 6 329 550 207 435 1.50E-36 162.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032900 6565 151.4 UdeM00000032900 XP_022325378.1 40.5 215
 116 6 124 328 387 599 2.00E-33 151.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032901 6596 106.7 UdeM00000032901 XP_045204716.1 26.8 339
 223 8 8 336 131 454 6.00E-20 106.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032902 6596 108.6 UdeM00000032902 XP_045203540.1 31.3 214
 124 7 367 574 546 742 2.70E-20 108.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032903 6596 434.5 UdeM00000032903 XP_045203458.1 30.6 1133
 661 29 511 1535 9 1124 5.60E-118 434.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032904 6596 120.6 UdeM00000032904 XP_045203467.1 22.6 680
 441 21 12 673 7 619 9.20E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032905 6596 236.9 UdeM00000032905 XP_045203458.1 24.6 932
 586 22 7 899 183 1036 1.00E-58 236.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032906 6596 131.3 UdeM00000032906 XP_045203467.1 22.7 638
 430 17 12 611 7 619 4.10E-27 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032907 6596 376.3 UdeM00000032907 XP_045203458.1 28.7 1001
 586 24 7 938 183 1124 1.10E-100 376.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032908 6596 74.7 UdeM00000032908 XP_045203467.1 29.1 134
 94 1 12 145 7 139 1.20E-10 74.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032909 6596 255.4 UdeM00000032909 XP_045203603.1 42.8 318
 168 4 1 306 125 440 1.80E-64 255.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032910 6565 108.6 UdeM00000032910 XP_022289724.1 52.1 94
 45 0 7 100 3 96 5.30E-21 108.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032913 6596 164.5 UdeM00000032913 XP_045206965.1 45.2 177
 90 3 1 171 1 176 1.60E-37 164.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032914 6596 368.2 UdeM00000032914 XP_045202954.1 41.5 463
 228 7 7 445 31 474 2.10E-98 368.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032915 225164 157.5 UdeM00000032915 XP_009049132.1 42.6
 204 66 2 7 159 224 427 1.40E-35 157.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000032916 6596 255.4 UdeM00000032916 XP_045203603.1 42.8 318
 168 4 1 306 125 440 1.60E-64 255.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032917 6565 108.6 UdeM00000032917 XP_022289724.1 52.1 94
 45 0 7 100 3 96 5.30E-21 108.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032919 6596 164.5 UdeM00000032919 XP_045206965.1 45.2 177
 90 3 1 171 1 176 1.60E-37 164.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032920 6596 389.8 UdeM00000032920 XP_045202954.1 44 445
 226 6 7 429 31 474 6.50E-105 389.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032921 225164 159.1 UdeM00000032921 XP_009049132.1 43.1
 204 65 2 37 189 224 427 5.70E-36 159.1 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000032923 6596 252.7 UdeM00000032923 XP_045203603.1 44 282
144 5 24 291 183 464 6.20E-64 252.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032924 7574 121.3 UdeM00000032924 XP_013396733.1 37.4 206
111 3 96 283 43 248 2.00E-24 121.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000032925 6596 113.6 UdeM00000032925 XP_045204179.1 57.1 98
41 1 8 104 48 145 1.70E-22 113.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032926 6596 229.2 UdeM00000032926 XP_045203603.1 42.9 266
145 3 3 261 175 440 1.10E-56 229.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032927 6565 110.2 UdeM00000032927 XP_022290110.1 47.2 123
56 2 7 129 3 116 2.20E-21 110.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032928 6565 214.5 UdeM00000032928 XP_022288562.1 57.6 170
71 1 1 169 1 170 1.00E-52 214.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032929 29159 129.4 UdeM00000032929 XP_034307861.1 63.2 95
34 1 11 105 3 96 2.70E-27 129.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032931 6596 302 UdeM00000032931 XP_045203603.1 47.9 326
155 3 3 313 115 440 1.50E-78 302 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032932 6596 106.7 UdeM00000032932 XP_045204411.1 53.6 97
44 1 7 102 5 101 1.80E-20 106.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032933 6596 386.7 UdeM00000032933 XP_045203603.1 48.4 436
 206 9 2 421 8 440 5.50E-104 386.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032934 6596 496.9 UdeM00000032934 XP_045193585.1 56.9 418
 172 3 413 829 11 421 5.00E-137 496.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032935 6573 204.5 UdeM00000032935 XP_021352112.1 47.7 176
 92 0 91 266 121 296 1.80E-49 204.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032936 6596 375.9 UdeM00000032936 XP_045204875.1 43.7 423
 209 3 7 409 29 442 6.40E-101 375.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032937 6573 275.8 UdeM00000032937 XP_021352112.1 45.5 264
 144 0 91 354 121 384 7.90E-71 275.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032938 6596 380.6 UdeM00000032938 XP_045204875.1 44.1 426
 206 3 7 412 29 442 2.60E-102 380.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032939 6573 274.2 UdeM00000032939 XP_021352112.1 45.8 260
 141 0 91 350 121 380 2.30E-70 274.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032940 6596 382.5 UdeM00000032940 XP_045204875.1 44.1 426
 206 3 7 412 29 442 6.90E-103 382.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032941 6573 273.1 UdeM00000032941 XP_021352112.1 45.4 260
 142 0 49 308 121 380 4.50E-70 273.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032942 6596 283.1 UdeM00000032942 XP_045204660.1 59.3 236
 89 2 1 229 1 236 3.20E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032943 1735272 202.2 UdeM00000032943 XP_041356580.1 35.8
388 191 12 5 371 277 627 3.70E-48 202.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000032944 6596 102.4 UdeM00000032944 XP_045205621.1 52.5 99
46 1 1 99 858 955 3.40E-19 102.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032946 6596 716.8 UdeM00000032946 XP_045203886.1 59.9 591
191 6 12 580 45 611 2.20E-203 716.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032947 6596 317.8 UdeM00000032947 XP_045203350.1 68.3 221
69 1 1 220 6 226 1.10E-83 317.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032948 6573 229.2 UdeM00000032948 XP_021363019.1 58.3 278
103 9 11 285 14 281 1.20E-56 229.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000032950 6596 68.6 UdeM00000032950 XP_045169421.1 43.6 78
31 1 21 85 51 128 5.90E-09 68.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032952 6596 160.2 UdeM00000032952 XP_045188152.1 40.2 256
129 10 106 353 15 254 4.80E-36 160.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032953 6500 120.6 UdeM00000032953 XP_035824760.1 40.1 157
87 3 13 167 366 517 2.00E-24 120.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000032954 6596 473.8 UdeM00000032954 XP_045184046.1 44.1 512
273 4 9 514 7 511 3.10E-130 473.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032955 75366 454.1 UdeM00000032955 XP_016132731.1 64.8 375
 132 0 1 375 229 603 1.70E-124 454.1 75366 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 idei;Cyprinidae;Cyprininae;Sinocyclocheilus;Sinocyclocheilus grahami
 UdeM00000032956 4097 177.9 UdeM00000032956 XP_016476856.1 60.6 155
 61 0 1 155 222 376 1.00E-41 177.9 4097 cellular
 organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
 ;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
 udicotyledons;Gunneridae;Pentapetalae;asterids;lamiids;Solanales;Solanace
 ae;Nicotianoideae;Nicotianeae;Nicotiana;Nicotiana tabacum
 UdeM00000032957 6596 661.4 UdeM00000032957 XP_045202954.1 55.3 577
 246 4 2 567 26 601 1.00E-186 661.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032958 6596 714.5 UdeM00000032958 XP_045202954.1 59.4 577
 222 4 2 567 26 601 1.00E-202 714.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032959 1735272 81.3 UdeM00000032959 XP_041347149.1 45.6
 103 49 3 5 102 252 352 2.30E-12 81.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032960 6596 705.7 UdeM00000032960 XP_045202954.1 60.8 574
 217 3 4 569 28 601 4.90E-200 705.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032961 6596 747.3 UdeM00000032961 XP_045202954.1 63.4 574
 202 3 4 569 28 601 1.50E-212 747.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032962 6596 734.2 UdeM00000032962 XP_045202954.1 62.2 576
 210 3 2 569 26 601 1.30E-208 734.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032963 6565 114.4 UdeM00000032963 XP_022322655.1 55 111
 47 3 1 111 1 108 1.10E-22 114.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032964 29159 244.6 UdeM00000032964 XP_034299474.1 42.6 291
 153 3 7 297 248 524 1.70E-61 244.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032965 29159 112.1 UdeM00000032965 XP_034299474.1 61.1 90
 35 0 1 90 579 668 3.80E-22 112.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032966 29159 306.6 UdeM00000032966 XP_034330911.1 49 308
 141 6 5 301 186 488 3.50E-80 306.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032967 29159 328.9 UdeM00000032967 XP_034330911.1 47.8 343
 163 6 2 333 151 488 7.30E-87 328.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032968 6596 80.1 UdeM00000032968 XP_045185032.1 54.5 66
 28 1 82 145 1 66 7.30E-12 80.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032969 6596 176.8 UdeM00000032969 XP_045204716.1 38.9 229
 135 2 184 408 228 455 9.60E-41 176.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032970 6596 167.2 UdeM00000032970 XP_045206103.1 39.2 240
 142 3 200 437 227 464 6.90E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032971 6596 110.2 UdeM00000032971 XP_045203854.1 38.5 122
 75 0 3 124 55 176 2.00E-21 110.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032972 6596 165.2 UdeM00000032972 XP_045203542.1 39.8 211
 122 2 292 498 595 804 3.30E-37 165.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032973 6596 165.2 UdeM00000032973 XP_045203542.1 39.8 211
 122 2 200 406 595 804 2.90E-37 165.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032975 6596 263.5 UdeM00000032975 XP_045203868.1 70.7 184
 49 3 9 190 10 190 2.10E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032976 6573 188.7 UdeM00000032976 XP_021363204.1 64.9 148
 47 2 5 148 4 150 5.20E-45 188.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032977 6573 1031.2 UdeM00000032977 XP_021363224.1 82.6
 634 101 2 2 626 4 637 5.60E-298 1031.2 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032978 6596 567.8 UdeM00000032978 XP_045206221.1 52.3 581
 237 4 20 562 27 605 1.60E-158 567.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032979 6579 430.3 UdeM00000032979 XP_033743517.1 63 327
 120 1 31 356 35 361 2.50E-117 430.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032980 6579 430.3 UdeM00000032980 XP_033743517.1 63 327
 120 1 52 377 35 361 2.60E-117 430.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032981 2607531 474.6 UdeM00000032981 XP_036363996.1 52.6
 481 201 5 131 593 104 575 1.90E-130 474.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000032983 6573 175.3 UdeM00000032983 XP_021370618.1 35 314
 187 5 74 371 63 375 1.90E-40 175.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032984 1735272 215.3 UdeM00000032984 XP_041354040.1 46.6
 234 121 1 129 362 157 386 2.30E-52 215.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032986 29159 131 UdeM00000032986 XP_034329650.1 47.8 113
 59 0 1 113 266 378 9.90E-28 131 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032987 6573 129 UdeM00000032987 XP_021352044.1 55.2 116
27 2 1 92 98 212 3.30E-27 129 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032988 6579 73.6 UdeM00000032988 XP_033761099.1 25.6 207
130 5 190 377 111 312 6.40E-10 73.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032989 29159 124 UdeM00000032989 XP_034329650.1 46.3 108
58 0 4 111 271 378 1.20E-25 124 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032992 6579 72.8 UdeM00000032992 XP_033761099.1 25.6 207
130 5 202 389 111 312 1.10E-09 72.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032994 6596 154.5 UdeM00000032994 XP_045194835.1 46.2 182
70 4 1 157 518 696 1.60E-34 154.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032993 6579 593.6 UdeM00000032993 XP_033743343.1 49 669
278 10 1 666 1 609 3.40E-166 593.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032995 6579 450.3 UdeM00000032995 XP_033743343.1 49.6 512
197 8 1 510 1 453 3.40E-123 450.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032996 400727 1243.8 UdeM00000032996 XP_025087117.1
63.5 944 293 3 1 944 1 892 0.00E+00 1243.8
400727 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000032997 6596 176.4 UdeM00000032997 XP_045202988.1 77 196
44 1 1 196 90 284 3.50E-41 176.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032998 6596 146.7 UdeM00000032998 XP_045202988.1 80.2 86
15 2 1 84 1 86 1.60E-32 146.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032999 400727 260.4 UdeM00000032999 XP_025086607.1 82.4
142 25 0 1 142 1 142 1.40E-66 260.4 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000033000 6596 950.3 UdeM00000033000 XP_045206220.1 40 1911
745 36 1 1801 1 1620 4.10E-273 950.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033001 6596 950.3 UdeM00000033001 XP_045206220.1 40 1911
745 36 1 1801 1 1620 4.10E-273 950.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033002 6596 950.7 UdeM00000033002 XP_045206220.1 40.1 1910
745 36 1 1800 1 1620 3.10E-273 950.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033003 6596 499.6 UdeM00000033003 XP_045206220.1 65.6 413
116 7 22 424 1224 1620 4.10E-138 499.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033004 6579 121.3 UdeM00000033004 XP_033742713.1 40.7 216
110 4 45 260 1681 1878 1.80E-24 121.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033005 6596 1169.8 UdeM00000033005 XP_045206230.1 61.6
1109 353 23 4 1090 1 1058 0.00E+00 1169.8 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033006 7574 1337.4 UdeM00000033006 XP_013394207.1 58.6
1096 430 6 6 1078 1947 3041 0.00E+00 1337.4 7574

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000033007 7574 325.5 UdeM00000033007 XP_013413797.1 59.4 251
102 0 5 255 1696 1946 6.20E-86 325.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000033008 225164 1880.5 UdeM00000033008 XP_009051304.1
55.9 1643 713 9 34 1673 29 1663 0.00E+00 1880.5
225164 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000033009 29159 110.5 UdeM00000033009 XP_019925978.2 24.2 347
238 6 601 936 458 790 1.10E-20 110.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033010 6565 144.8 UdeM00000033010 XP_022327686.1 28.3 360
234 8 6 361 5 344 2.10E-31 144.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033011 6596 110.5 UdeM00000033011 XP_045203696.1 33.2 190
118 2 23 212 30 210 2.60E-21 110.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033012 6596 121.7 UdeM00000033012 XP_045203698.1 33.3 192
116 3 20 203 24 211 1.10E-24 121.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033013 6579 131 UdeM00000033013 XP_033743222.1 49.7 143
55 4 2 133 70 206 1.30E-27 131 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033014 6596 149.1 UdeM00000033014 XP_045204333.1 29.3 454
275 14 1 436 1 426 1.40E-32 149.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033015 29159 115.5 UdeM00000033015 XP_011449386.1 51.4 105
47 2 1 103 1 103 4.10E-23 115.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033017 6596 648.7 UdeM00000033017 XP_045204644.1 53.2 682
292 7 1 666 140 810 8.30E-183 648.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033018 6596 680.6 UdeM00000033018 XP_045204644.1 50.7 745
346 9 15 741 30 771 2.20E-192 680.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033019 6596 708 UdeM00000033019 XP_045204644.1 54.7 706
296 9 46 731 70 771 1.30E-200 708 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033020 6573 94.4 UdeM00000033020 XP_021365625.1 52.9 87
41 0 59 145 40 126 2.40E-16 94.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033021 6596 305.8 UdeM00000033021 XP_045206242.1 58.5 275
98 3 77 338 12 283 7.00E-80 305.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033022 6596 382.1 UdeM00000033022 XP_045204644.1 53.3 381
165 2 1 368 391 771 8.40E-103 382.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033023 6596 666.8 UdeM00000033023 XP_045204648.1 50.5 703
316 8 58 741 66 755 3.30E-188 666.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033024 6596 586.3 UdeM00000033024 XP_045206242.1 45.9 724
350 8 68 762 13 723 5.80E-164 586.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033025 6596 2334.3 UdeM00000033025 XP_045204537.1 83.1
1348 222 2 1 1344 1 1346 0.00E+00 2334.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033026 6596 566.6 UdeM00000033026 XP_045206424.1 49.8 580
252 10 11 554 10 586 3.70E-158 566.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033027 29159 257.7 UdeM00000033027 XP_011445494.2 64.5 197
70 0 1 197 1 197 1.20E-65 257.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033028 6596 352.1 UdeM00000033028 XP_045189373.1 60.7 270
96 2 5 274 26 285 9.60E-94 352.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033029 6596 573.2 UdeM00000033029 XP_045205042.1 75.9 348
78 2 1 343 1 347 2.40E-160 573.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033030 6596 1483 UdeM00000033030 XP_045205055.1 66 1107
346 10 5 1086 20 1121 0.00E+00 1483 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033031 6596 175.3 UdeM00000033031 XP_045204751.1 51.8 164
74 2 5 165 3 164 1.20E-40 175.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033032 6596 161.8 UdeM00000033032 XP_045204751.1 48.2 170
77 3 5 171 3 164 1.10E-36 161.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033033 6526 222.6 UdeM00000033033 XP_013069929.1 29.9 511
322 12 79 566 1156 1653 1.30E-54 222.6 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000033034 6596 587.4 UdeM00000033034 XP_045206867.1 47.5 577
296 3 7 581 12 583 2.00E-164 587.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033036 6579 448.7 UdeM00000033036 XP_033742656.1 77 283
64 1 5 286 3 285 9.20E-123 448.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000033037 29159 649 UdeM00000033037 XP_034299855.1 68.9 447
139 0 20 466 4 450 4.40E-183 649 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033038 6596 401.7 UdeM00000033038 XP_045205075.1 42 614
274 13 17 556 16 621 1.50E-108 401.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033039 6596 349.4 UdeM00000033039 XP_045205077.1 79.7 212
43 0 9 220 454 665 3.40E-93 349.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033040 6596 162.2 UdeM00000033040 XP_045204980.1 26 712
448 23 236 921 86 744 3.30E-36 162.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033041 6573 282.3 UdeM00000033041 XP_021363057.1 54.6 269
114 3 1 266 1 264 6.20E-73 282.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033042 6596 422.9 UdeM00000033042 XP_045204796.1 42.6 528
294 5 9 528 6 532 5.90E-115 422.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033043 6596 184.9 UdeM00000033043 XP_045187289.1 32.2 419
216 10 5 362 6 417 1.80E-43 184.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033044 6573 241.9 UdeM00000033044 XP_021340456.1 76.1 159
32 3 12 168 19 173 5.90E-61 241.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033045 6573 168.7 UdeM00000033045 XP_021340457.1 44.9 263
136 4 61 316 174 434 1.50E-38 168.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033046 6573 170.6 UdeM00000033046 XP_021340457.1 45.2 263
134 5 61 315 174 434 4.00E-39 170.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033047 6573 243.8 UdeM00000033047 XP_021340456.1 76.3 156
31 3 15 168 22 173 1.60E-61 243.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033048 6573 137.5 UdeM00000033048 XP_021340457.1 43.1 269
147 5 20 284 174 440 3.30E-29 137.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033049 6596 840.5 UdeM00000033049 XP_045203207.1 73.9 755
158 15 11 741 80 819 1.60E-240 840.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033050 6579 70.5 UdeM00000033050 XP_033742783.1 29.4 218
119 6 3 208 2 196 2.90E-09 70.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000033052 6596 541.6 UdeM00000033052 XP_045205619.1 34.8 1234
612 37 1 1104 1 1172 2.40E-150 541.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033053 6596 513.1 UdeM00000033053 XP_045205619.1 33.4 1269
632 37 1 1153 1 1172 9.50E-142 513.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033054 1735272 108.2 UdeM00000033054 XP_041358609.1 45.5
156 67 7 27 174 671 816 1.10E-20 108.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000033056 6596 364 UdeM00000033056 XP_045205622.1 48.7 478
180 10 1 414 1 477 4.10E-97 364 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033057 6573 1196.8 UdeM00000033057 XP_021363040.1 68.8
1117 314 12 2 1092 6 1114 0.00E+00 1196.8 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033058 116153 414.5 UdeM00000033058 XP_019866035.1 60.3
378 147 1 69 443 534 911 1.80E-112 414.5 116153
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Cucujoidea;Nitidulidae;Nitidulinae;Aethina;Aethina tumida
UdeM00000033059 116153 415.2 UdeM00000033059 XP_019866035.1 60.2
379 148 1 47 422 533 911 9.80E-113 415.2 116153
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Cucujoidea;Nitidulidae;Nitidulinae;Aethina;Aethina tumida
UdeM00000033060 116153 419.1 UdeM00000033060 XP_019866035.1 59.8
386 152 1 1 383 526 911 6.20E-114 419.1 116153
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Cucujoidea;Nitidulidae;Nitidulinae;Aethina;Aethina tumida
UdeM00000033061 116153 419.9 UdeM00000033061 XP_019866035.1 60.1
386 151 1 1 383 526 911 3.60E-114 419.9 116153
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Cucujoidea;Nitidulidae;Nitidulinae;Aethina;Aethina tumida
UdeM00000033062 6596 580.9 UdeM00000033062 XP_045203144.1 48 615
283 4 1 615 11 588 2.00E-162 580.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033063 6565 68.6 UdeM00000033063 XP_022326654.1 36.5 85
53 1 1 85 140 223 5.70E-09 68.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033064 6596 583.9 UdeM00000033064 XP_045203144.1 48.5 613
281 4 1 613 11 588 2.30E-163 583.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033066 6565 266.2 UdeM00000033066 XP_022326654.1 50.8 242
118 1 13 254 32 272 4.50E-68 266.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033067 6565 267.3 UdeM00000033067 XP_022326654.1 50.8 242
118 1 18 259 32 272 2.10E-68 267.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033068 29159 255 UdeM00000033068 XP_034302754.1 48.1 233
120 1 60 292 43 274 1.20E-64 255 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000033069 6596 653.7 UdeM00000033069 XP_045203144.1 56 573
249 2 9 581 19 588 2.20E-184 653.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000033070 6596 653.3 UdeM00000033070 XP_045203144.1 56 573
249 2 9 581 19 588 2.90E-184 653.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000033071 6596 656 UdeM00000033071 XP_045203144.1 56.5 573
246 2 9 581 19 588 4.50E-185 656 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000033072 6596 647.9 UdeM00000033072 XP_045203144.1 55.8 573
250 2 9 581 19 588 1.20E-182 647.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000033073 6573 434.9 UdeM00000033073 XP_021379079.1 74.1 293
61 2 7 292 173 457 8.30E-119 434.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000033074 6596 105.5 UdeM00000033074 XP_045205131.1 41 122
69 1 1 122 1 119 5.30E-20 105.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000033075 6596 117.1 UdeM00000033075 XP_045205147.1 35.4 288
158 5 8 288 13 279 3.90E-23 117.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000033076 400727 326.6 UdeM00000033076 XP_025086651.1 60.1
271 106 2 29 297 49 319 3.30E-86 326.6 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000033077 7515 77 UdeM00000033077 XP_026475035.1 54.5 66
24 2 8 68 7 71 1.00E-11 77 7515 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Siphonaptera; Pulicomorpha

;Pulicoidea;Pulicidae;Archaeopsyllinae;Ctenocephalides;Ctenocephalides felis

UdeM00000033078 6565 437.2 UdeM00000033078 XP_022321251.1 42.1 558
308 4 62 607 20 574 3.50E-119 437.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033079 6565 430.3 UdeM00000033079 XP_022321251.1 41.6 565
308 5 62 614 20 574 4.30E-117 430.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033080 6573 428.7 UdeM00000033080 XP_021363226.1 45.8 474
249 2 44 511 78 549 1.10E-116 428.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033081 6573 429.1 UdeM00000033081 XP_021363226.1 45.8 474
249 2 44 511 78 549 8.40E-117 429.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033082 1415580 242.3 UdeM00000033082 XP_030075314.1 46.4
289 136 3 3 288 326 598 7.70E-61 242.3 1415580
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor

UdeM00000033083 7757 283.5 UdeM00000033083 XP_032835197.1 81 168
32 0 77 244 3 170 2.70E-73 283.5 7757 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
s;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000033084 6596 261.5 UdeM00000033084 XP_045204501.1 40.4 450
244 10 13 451 7 443 2.00E-66 261.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033085 6596 246.9 UdeM00000033085 XP_045204501.1 37.4 484
231 9 23 505 24 436 5.60E-62 246.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033086 6565 362.5 UdeM00000033086 XP_022334858.1 48.1 349
170 4 9 352 10 352 6.30E-97 362.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033087 6596 318.9 UdeM00000033087 XP_045204482.1 52.3 342
134 9 330 659 250 574 1.50E-83 318.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033088	6596	3397.4				UdeM00000033088	XP_045204485.1	79.6		
	2104	427	2	2	2103	2224	4327	0.00E+00	3397.4	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033089	6596	3629.3				UdeM00000033089	XP_045204485.1	79.6		
	2226	435	5	1	2210	1	2224	0.00E+00	3629.3	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033090	6579	394.8				UdeM00000033090	XP_033743685.1	79.5	234	
	46	2	43	275	1	233	8.90E-107	394.8	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033091	6596	207.6				UdeM00000033091	XP_045216805.1	37.3	292	
	174	5	8	297	9	293	2.20E-50	207.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033092	6596	207.2				UdeM00000033092	XP_045216805.1	37.3	292	
	174	5	5	294	9	293	2.80E-50	207.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033093	6579	761.5				UdeM00000033093	XP_033761049.1	48.7	762	
	378	6	78	834	12	765	1.10E-216	761.5	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033094	6596	87				UdeM00000033094	XP_045204503.1	45.8	118	
	56	2	1	118	1	110	1.80E-14	87	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033096	6596	119				UdeM00000033096	XP_045206225.1	28.8	406	
	249	9	2	390	425	807	1.80E-23	119	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033097	6573	123.6				UdeM00000033097	XP_021379116.1	34.2	260	
	154	7	14	269	62	308	6.80E-25	123.6	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033098 6596 287.7 UdeM00000033098 XP_045204501.1 38.6 461
247 10 4 460 6 434 2.70E-74 287.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033099 6596 97.1 UdeM00000033099 XP_045204501.1 40.2 132
79 0 19 150 24 155 3.60E-17 97.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033100 6596 96.3 UdeM00000033100 XP_045204501.1 33.5 164
109 0 2 165 8 171 3.90E-17 96.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033101 6596 571.2 UdeM00000033101 XP_045205732.1 65.3 401
139 0 6 406 5 405 1.00E-159 571.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033102 6596 500.7 UdeM00000033102 XP_045205732.1 66.1 348
118 0 1 348 58 405 1.50E-138 500.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033103 6596 494.6 UdeM00000033103 XP_045206106.1 54.1 482
204 4 61 542 9 473 1.60E-136 494.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033104 1735272 532.3 UdeM00000033104 XP_041355817.1 48.3
538 262 8 26 558 24 550 7.60E-148 532.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000033105 1735272 542.3 UdeM00000033105 XP_041355817.1 48.9
530 257 6 25 550 24 543 7.20E-151 542.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000033106 1735272 542.3 UdeM00000033106 XP_041355817.1 48.9
530 257 6 25 550 24 543 7.40E-151 542.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000033107 6579 66.2 UdeM00000033107 XP_033742806.1 44.7 76
40 1 45 118 36 111 3.40E-08 66.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000033108 6596 694.5 UdeM00000033108 XP_045204805.1 73.9 475
112 3 6 475 38 505 9.40E-197 694.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033109 6596 276.9 UdeM00000033109 XP_045205623.1 53 283
115 4 5 270 171 452 2.70E-71 276.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033110 6565 237.3 UdeM00000033110 XP_022321503.1 27.8 569
389 15 130 686 89 647 6.00E-59 237.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033111 6565 652.9 UdeM00000033111 XP_022325356.1 57.3 557
226 6 1 553 1 549 3.60E-184 652.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033112 6596 580.9 UdeM00000033112 XP_045205829.1 37.9 973
476 22 1 865 1 953 2.80E-162 580.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033113 6565 295.8 UdeM00000033113 XP_022322438.1 68.3 218
45 1 1 194 1 218 4.00E-77 295.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033114 6596 533.9 UdeM00000033114 XP_045204191.1 57.6 446
156 7 5 421 6 447 1.90E-148 533.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033115 6579 196.8 UdeM00000033115 XP_033729790.1 45.3 214
117 0 10 223 17 230 3.40E-47 196.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000033117 2652724 173.3 UdeM00000033117 XP_020913146.1 49
194 98 1 167 360 177 369 6.80E-40 173.3 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000033118 6565 305.8 UdeM00000033118 XP_022322441.1 73.4 188
50 0 3 190 440 627 3.80E-80 305.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033119 6565 260.8 UdeM00000033119 XP_022322441.1 73.9 157
41 0 1 157 471 627 1.10E-66 260.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033120 6596 269.2 UdeM00000033120 XP_045203279.1 75.6 172
41 1 6 176 5 176 3.60E-69 269.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033121 105023 94.4 UdeM00000033121 XP_015827797.1 36.8
136 83 1 1 133 137 272 1.20E-16 94.4 105023
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc
hius furzeri
UdeM00000033122 6596 590.9 UdeM00000033122 XP_045203279.1 81.7 344
63 0 1 344 180 523 1.10E-165 590.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033123 7725 69.3 UdeM00000033123 XP_039259631.1 45.3 75
37 2 3 73 38 112 4.50E-09 69.3 7725 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
clava
UdeM00000033125 6596 250.8 UdeM00000033125 XP_045204670.1 54.8 252
96 5 1 244 200 441 1.80E-63 250.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033124 6596 475.7 UdeM00000033124 XP_045204670.1 61.4 409
140 5 46 446 43 441 6.40E-131 475.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033126 6596 459.9 UdeM00000033126 XP_045203481.1 43 577
306 10 36 603 113 675 4.90E-126 459.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033127 6596 133.3 UdeM00000033127 XP_045203481.1 50.4 135
63 1 44 178 113 243 3.40E-28 133.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033128 6596 246.1 UdeM00000033128 XP_045203504.1 36.5 408
218 9 1 381 195 588 7.10E-62 246.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033129 6596 97.1 UdeM00000033129 XP_045205783.1 54.7 95
40 2 47 138 2 96 2.20E-17 97.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033130 6596 370.2 UdeM00000033130 XP_045203504.1 41.8 476
256 8 1 472 130 588 4.00E-99 370.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033132 1735272 239.6 UdeM00000033132 XP_041361546.1 47
234 116 5 1 228 441 672 4.00E-60 239.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033131 6596 391.7 UdeM00000033131 XP_045167902.1 43.2 428
212 7 370 796 351 748 2.20E-105 391.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033133 6596 818.5 UdeM00000033133 XP_045168250.1 43.1 873
481 9 76 937 55 922 8.60E-234 818.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033134 29159 184.9 UdeM00000033134 XP_011423714.3 25.5 542
388 11 5 537 140 674 2.70E-43 184.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033135 6596 161 UdeM00000033135 XP_045203860.1 32.3 464
225 14 36 486 29 416 3.80E-36 161 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033136 6596 161.4 UdeM00000033136 XP_045203860.1 32.3 464
 225 14 37 487 29 416 2.90E-36 161.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033137 6596 184.9 UdeM00000033137 XP_045203688.1 39.8 289
 154 6 372 654 135 409 3.30E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033138 6596 184.9 UdeM00000033138 XP_045203688.1 39.8 289
 154 6 388 670 135 409 3.40E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033139 6596 186.4 UdeM00000033139 XP_045203688.1 42.8 250
 123 6 76 319 170 405 5.70E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033141 6596 176.8 UdeM00000033141 XP_045203864.1 36.4 291
 169 6 9 294 22 301 4.20E-41 176.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033142 6565 171 UdeM00000033142 XP_022306954.1 38.7 212
 126 2 1 208 737 948 1.60E-39 171 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033143 6596 125.6 UdeM00000033143 XP_045203864.1 33.1 236
 122 4 132 338 73 301 1.30E-25 125.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033144 6596 114.8 UdeM00000033144 XP_045180427.1 39.5 177
 104 2 76 250 98 273 1.70E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033145 6596 155.2 UdeM00000033145 XP_045206077.1 38.1 218
 125 5 317 534 242 449 2.30E-34 155.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033147 6579 158.3 UdeM00000033147 XP_033742796.1 34.1 337
 182 6 16 322 114 440 1.70E-35 158.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033148 6596 172.2 UdeM00000033148 XP_045203688.1 38.2 325
 170 10 21 334 96 400 1.20E-39 172.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033149 6596 194.1 UdeM00000033149 XP_045203860.1 38.8 312
 163 7 151 440 116 421 4.40E-46 194.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033150 6596 172.9 UdeM00000033150 XP_045203688.1 34.4 343
 200 10 176 506 148 477 1.00E-39 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033151 6596 155.6 UdeM00000033151 XP_045203860.1 40.6 234
 122 6 1 224 195 421 8.80E-35 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033152 6579 58.9 UdeM00000033152 XP_033743291.1 30.3 119
 79 2 8 123 146 263 6.80E-06 58.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033153 151771 751.5 UdeM00000033153 XP_028414839.1 41.1
 1029 536 22 13 999 156 1156 1.40E-213 751.5 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000033154 63436 529.3 UdeM00000033154 XP_043460997.1 35.6 831
 409 16 140 862 118 930 9.80E-147 529.3 63436 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
 sitoida;Cynipoidea;Figitidae;Eucoilinae;Leptopilina;Leptopilina
 heterotoma
 UdeM00000033155 7493 111.7 UdeM00000033155 XP_014235688.2 31.7 186
 111 2 96 274 142 318 1.50E-21 111.7 7493 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para

sitoida;Chalcidoidea;Trichogrammatidae;Trichogramma;Trichogramma
 pretiosum
 UdeM00000033156 6596 188 UdeM00000033156 XP_045203860.1 36.9 312
 169 7 184 473 116 421 3.20E-44 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033157 6596 190.7 UdeM00000033157 XP_045203860.1 38.2 304
 160 7 153 433 116 414 4.10E-45 190.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033158 6573 123.2 UdeM00000033158 XP_021376884.1 32 259
 162 8 11 262 12 263 5.50E-25 123.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033159 6573 116.7 UdeM00000033159 XP_021376884.1 32.4 244
 151 8 11 247 12 248 4.40E-23 116.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033160 6596 198.7 UdeM00000033160 XP_045206626.1 41.9 258
 124 5 10 266 11 243 9.20E-48 198.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033161 6596 678.3 UdeM00000033161 XP_045204834.1 56.7 577
 242 6 5 575 10 584 8.40E-192 678.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033162 6579 295.4 UdeM00000033162 XP_033734618.1 56.8 257
 105 3 1 257 1 251 6.90E-77 295.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033163 6579 185.3 UdeM00000033163 XP_033743066.1 28.7 647
 321 20 3 533 1 623 2.10E-43 185.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033164 6596 407.1 UdeM00000033164 XP_045175517.1 36.2 638
 372 13 15 637 13 630 4.00E-110 407.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033165 29159 384 UdeM00000033165 XP_011447315.1 66.1 274
 90 2 1 273 1 272 1.60E-103 384 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033166 37653 118.2 UdeM00000033166 XP_014773616.1 52.6 114
54 0 2 115 3 116 6.80E-24 118.2 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000033167 6579 1003 UdeM00000033167 XP_033743077.1 79.6 587
117 1 37 623 53 636 1.60E-289 1003 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033168 6579 2191 UdeM00000033168 XP_033743075.1 56.7 2209
878 31 1 2173 1 2167 0.00E+00 2191 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033169 6579 2191 UdeM00000033169 XP_033743075.1 56.7 2207
881 30 1 2172 1 2167 0.00E+00 2191 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033170 1735272 235 UdeM00000033170 XP_041358579.1 57
193 83 0 18 210 5 197 1.20E-58 235 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033171 6596 439.5 UdeM00000033171 XP_045202984.1 47.2 867
402 21 34 871 7 846 9.90E-120 439.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000033172 1735272 67.4 UdeM00000033172 XP_041358579.1 46.3
82 36 2 10 84 196 276 1.00E-08 67.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033173 6596 792.7 UdeM00000033173 XP_045160383.1 32.5 1693
1016 49 12 1628 5 1646 8.80E-226 792.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000033174 6596 350.9 UdeM00000033174 XP_045204432.1 47.6 347
177 3 7 348 6 352 1.90E-93 350.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000033175 6596 321.2 UdeM00000033175 XP_045204432.1 42.6 352
 199 2 1 349 1 352 1.60E-84 321.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033176 29159 498 UdeM00000033176 XP_034307109.1 44.9 584
 308 7 6 578 24 604 1.60E-137 498 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033177 6596 330.9 UdeM00000033177 XP_045204432.1 44.6 352
 192 2 1 349 1 352 2.00E-87 330.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033178 400727 121.3 UdeM00000033178 XP_025099402.1 49.2
 120 60 1 4 123 252 370 1.00E-24 121.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000033179 6596 773.9 UdeM00000033179 XP_045160383.1 32.5 1666
 1000 48 41 1632 19 1634 4.20E-220 773.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033180 6526 79.3 UdeM00000033180 XP_013087029.1 48.9 94
 46 2 1 93 1 93 3.40E-12 79.3 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata

UdeM00000033181 6596 234.6 UdeM00000033181 XP_045167776.1 31 525
 297 16 7 478 1152 1664 2.90E-58 234.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033182 6596 293.9 UdeM00000033182 XP_045160383.1 33.4 569
 344 15 16 567 456 1006 4.40E-76 293.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033183 6596 188.3 UdeM00000033183 XP_045161016.1 38.8 291
 161 10 1 283 809 1090 1.30E-44 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033184 6596 144.1 UdeM00000033184 XP_045160383.1 34.3 254
 152 4 25 264 176 428 2.60E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033185 7998 175.6 UdeM00000033185 XP_017334791.1 66.9 118
 39 0 1 118 62 179 4.90E-41 175.6 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus
 UdeM00000033186 7741 243.8 UdeM00000033186 XP_019622111.1 50.2 243
 118 3 1 242 38 278 2.20E-61 243.8 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000033187 6596 351.3 UdeM00000033187 XP_045204432.1 46.7 347
 180 3 7 348 6 352 1.40E-93 351.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033188 6596 327 UdeM00000033188 XP_045204432.1 43.2 352
 197 2 1 349 1 352 2.90E-86 327 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033189 6573 109.4 UdeM00000033189 XP_021352054.1 49.6 117
 55 2 1 114 1 116 3.50E-21 109.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033190 6565 296.2 UdeM00000033190 XP_022295545.1 45.6 287
 142 5 1 280 137 416 4.40E-77 296.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033191 37621 162.5 UdeM00000033191 XP_014677462.1 51.2 166
 62 3 1 147 1 166 5.50E-37 162.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000033192 6573 490 UdeM00000033192 XP_021353682.1 44.8 585
 311 6 12 584 39 623 4.30E-135 490 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033193 6596 252.7 UdeM00000033193 XP_045204432.1 48 248
 126 2 10 254 105 352 5.00E-64 252.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033195 10224 256.5 UdeM00000033195 XP_002738718.1 50.6 255
 121 1 2 251 7 261 3.50E-65 256.5 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000033194 556484 311.6 UdeM00000033194 XP_002184253.1 40
 450 168 3 6 359 8 451 1.30E-81 311.6 556484
 cellular
 organisms;Eukaryota;Sar;Stramenopiles;Ochrophyta;Bacillariophyta;Bacillar
 iophyceae;Bacillariophycidae;Naviculales;Phaeodactylaceae;Phaeodactylum;P
 haeodactylum tricornutum;Phaeodactylum tricornutum CCAP 1055/1
 UdeM00000033196 6596 516.9 UdeM00000033196 XP_045161006.1 34.6 1013
 576 31 196 1146 733 1721 6.50E-143 516.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033197 6573 58.5 UdeM00000033197 XP_021358159.1 40 90
 50 3 36 123 520 607 7.00E-06 58.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033198 6596 314.7 UdeM00000033198 XP_045160383.1 32.3 666
 416 15 12 655 5 657 3.00E-82 314.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033199 6596 353.6 UdeM00000033199 XP_045204432.1 47 347
 179 3 7 348 6 352 2.90E-94 353.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033200 6596 324.7 UdeM00000033200 XP_045204432.1 43.2 352
 197 2 1 349 1 352 1.40E-85 324.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033201 6596 267.7 UdeM00000033201 XP_045204432.1 44.4 288
 157 2 1 285 65 352 1.70E-68 267.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033202 6573 492.3 UdeM00000033202 XP_021353682.1 44.8 585
 311 5 12 584 39 623 8.70E-136 492.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033203 6596 329.7 UdeM00000033203 XP_045204432.1 44.3 352
 193 2 1 349 1 352 4.50E-87 329.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033204 45351 441.8 UdeM00000033204 XP_032240171.1 48.7 464
 220 5 3 449 14 476 1.00E-120 441.8 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000033205 29159 444.5 UdeM00000033205 XP_034307109.1 43.6 580
 312 8 10 578 29 604 2.10E-121 444.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033206 29159 106.3 UdeM00000033206 XP_011445731.2 37.5 144
 86 3 245 388 208 347 9.40E-20 106.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033207 29159 103.6 UdeM00000033207 XP_011445731.2 40.7 123
 71 2 14 136 227 347 2.30E-19 103.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033208 6565 788.9 UdeM00000033208 XP_022322568.1 68.8 890
 268 2 2 891 7 886 6.80E-225 788.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033209 29159 82.8 UdeM00000033209 XP_034317111.1 53.3 75
 35 0 2 76 330 404 2.10E-13 82.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033210 29159 229.9 UdeM00000033210 XP_011423850.2 64.9 168
 59 0 1 168 14 181 2.30E-57 229.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033211 29159 1133.6 UdeM00000033211 XP_011432546.2 60.6
 1031 367 12 3 1023 2 1003 0.00E+00 1133.6
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033212 6596 536.2 UdeM00000033212 XP_045202966.1 75 336
 84 0 1 336 1 336 3.00E-149 536.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033213 6596 78.6 UdeM00000033213 XP_045203301.1 27.9 262
 144 7 207 429 103 358 2.90E-11 78.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033214 6596 78.6 UdeM00000033214 XP_045203301.1 27.9 262
144 7 226 448 103 358 3.00E-11 78.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033216 29159 63.9 UdeM00000033216 XP_011449844.1 25.3 269
169 9 119 381 403 645 5.60E-07 63.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033217 6596 319.7 UdeM00000033217 XP_045204923.1 83.5 182
30 0 1 182 1 182 2.40E-84 319.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033218 29159 264.6 UdeM00000033218 XP_034307382.1 51.4 259
122 2 44 302 33 287 1.50E-67 264.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014002 6596 252.7 UdeM00000014002 XP_045156247.1 35.1 442
141 6 8 306 317 755 6.10E-64 252.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014003 7739 77 UdeM00000014003 XP_035677667.1 47.8 69
36 0 4 72 7 75 2.30E-11 77 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000014007 6596 298.1 UdeM00000014007 XP_045164960.1 44.4 399
191 9 1 387 114 493 1.70E-77 298.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014009 10224 317 UdeM00000014009 XP_002736880.1 54.1 283
107 1 32 291 35 317 3.00E-83 317 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000014010 6596 126.3 UdeM00000014010 XP_045178416.1 32.2 255
121 3 1 203 11 265 4.40E-26 126.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014012 6596 213.8 UdeM00000014012 XP_045178416.1 43.4 256
 140 4 1 252 11 265 2.60E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014011 6596 219.2 UdeM00000014011 XP_045178416.1 43.3 263
 144 4 106 364 4 265 8.80E-54 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014013 2652724 80.1 UdeM00000014013 XP_028514197.1 35
 123 76 3 9 128 41 162 2.80E-12 80.1 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000014014 6596 67.8 UdeM00000014014 XP_045177776.1 33.1 127
 79 3 21 147 945 1065 1.60E-08 67.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014016 6579 97.8 UdeM00000014016 XP_033731337.1 33.8 160
 94 3 13 170 174 323 1.60E-17 97.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014017 29159 93.2 UdeM00000014017 XP_034330187.1 35.1 171
 88 6 164 334 9 156 7.10E-16 93.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014018 6596 60.1 UdeM00000014018 XP_045186063.1 33.6 113
 65 2 175 278 354 465 5.40E-06 60.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014019 7725 75.5 UdeM00000014019 XP_039258759.1 40.8 76
 45 0 12 87 139 214 3.80E-11 75.5 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
 clava
 UdeM00000014020 29159 91.3 UdeM00000014020 XP_034331441.1 46.6 103
 52 3 1 102 722 822 8.20E-16 91.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014024 29159 146.4 UdeM00000014024 XP_034299474.1 36 247
 90 2 6 184 509 755 3.70E-32 146.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014025 6565 123.2 UdeM00000014025 XP_022299602.1 40.5 168
 93 5 78 244 2 163 1.20E-24 123.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014026 6565 123.2 UdeM00000014026 XP_022299602.1 40.5 168
 93 5 155 321 2 163 1.30E-24 123.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014027 7741 233 UdeM00000014027 XP_019622111.1 45.8 249
 133 2 23 270 27 274 4.50E-58 233 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000014028 6596 280 UdeM00000014028 XP_045177776.1 40.6 433
 234 8 1 426 405 821 5.00E-72 280 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014030 6579 81.6 UdeM00000014030 XP_033737465.1 52.9 70
 33 0 8 77 431 500 5.20E-13 81.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014032 29159 82.4 UdeM00000014032 XP_034330187.1 44.6 92
 49 2 181 271 75 165 1.10E-12 82.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014033 29159 90.9 UdeM00000014033 XP_034330187.1 34.7 173
 86 5 164 334 9 156 3.50E-15 90.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014036 6596 431 UdeM00000014036 XP_045178868.1 72.2 273
 76 0 1 273 1 273 1.10E-117 431 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014037 6596 120.6 UdeM00000014037 XP_045178868.1 64.8 91
 31 1 84 174 273 362 3.20E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014038 6596 1212.6 UdeM00000014038 XP_045178874.1 62
 1043 336 12 8 1035 355 1352 0.00E+00 1212.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014042 6596 806.2 UdeM00000014042 XP_045179433.1 68.1 576
 180 1 2 573 5 580 2.90E-230 806.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014043 6565 454.1 UdeM00000014043 XP_022322249.1 61.8 327
 123 1 6 332 505 829 1.50E-124 454.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014044 6573 432.6 UdeM00000014044 XP_021342574.1 51.5 388
 184 2 10 394 52 438 5.60E-118 432.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014045 225164 395.2 UdeM00000014045 XP_009050116.1 52.1
 355 166 4 10 363 7 358 9.10E-107 395.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000014046 6573 790.8 UdeM00000014046 XP_021342572.1 57.7 640
 262 6 13 647 232 867 1.30E-225 790.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014049 7739 585.9 UdeM00000014049 XP_035696678.1 57.6 481
 201 1 2 479 423 903 5.00E-164 585.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000014050 29159 580.5 UdeM00000014050 XP_034331610.1 44.1 709
 361 10 480 1185 446 1122 4.90E-162 580.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014052 6579 566.2 UdeM00000014052 XP_033728059.1 32.4 1301
 722 34 14 1250 5 1211 1.00E-157 566.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014053 6596 368.2 UdeM00000014053 XP_045177779.1 38.6 536
 322 6 75 607 78 609 2.00E-98 368.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014055 6579 137.1 UdeM00000014055 XP_033732676.1 32.3 282
 170 8 251 524 136 404 6.40E-29 137.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000025027 6579 857.8 UdeM00000025027 XP_033728194.1 47.4 988
449 17 187 1123 124 1091 1.60E-245 857.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000025028 6579 65.9 UdeM00000025028 XP_033747958.1 55.2 58
24 1 1 56 87 144 2.00E-08 65.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000025029 6565 839 UdeM00000025029 XP_022334993.1 49.4 893
413 13 1 878 1 869 5.70E-240 839 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000025030 6565 212.6 UdeM00000025030 XP_022287303.1 34.2 310
190 7 6 303 443 750 6.90E-52 212.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000025031 6565 132.1 UdeM00000025031 XP_022334997.1 44.8 154
80 3 6 156 29 180 6.20E-28 132.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000025033 6596 221.1 UdeM00000025033 XP_045161541.1 41.7 295
147 5 14 286 30 321 2.00E-54 221.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000025035 6565 77 UdeM00000025035 XP_022290317.1 51.7 58
28 0 2 59 4 61 1.20E-11 77 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044404 1095194 189.5 UdeM00000044404 XP_038746483.1 43.7
252 141 1 1 251 1 252 5.40E-45 189.5 1095194
cellular
organisms; Eukaryota; Opisthokonta; Fungi; Dikarya; Ascomycota; saccharomyceta; Pezizomycotina; leotiomyceta; sordariomyceta; Sordariomycetes; Hypocreomycetidae; Glomerellales; Glomerellaceae; Colletotrichum; Colletotrichum boninense species complex; Colletotrichum karsti
UdeM00000012765 6596 129.8 UdeM00000012765 XP_045186558.1 63.2 106
33 1 3 108 71 170 2.10E-27 129.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000012767 6573 1111.3 UdeM00000012767 XP_021347494.1 68
823 261 1 1 821 775 1597 0.00E+00 1111.3 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012766 6573 1834.3 UdeM00000012766 XP_021347494.1 60.1
1613 573 12 1 1558 1 1597 0.00E+00 1834.3 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012768 6573 690.6 UdeM00000012768 XP_021347494.1 55.7 668
268 9 1 656 1 652 1.90E-195 690.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012769 6565 170.6 UdeM00000012769 XP_022329833.1 50.2 203
74 5 47 249 73 248 2.60E-39 170.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012770 1735272 374.4 UdeM00000012770 XP_041353524.1 41.6
464 254 7 66 521 150 604 2.40E-100 374.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012771 6573 2417.1 UdeM00000012771 XP_021347323.1 51.8
2476 1146 10 1 2438 2738 5203 0.00E+00 2417.1 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012772 29159 1211.4 UdeM00000012772 XP_034325660.1 51.7
1117 525 6 3 1104 1468 2584 0.00E+00 1211.4
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012773 6596 271.2 UdeM00000012773 XP_045158584.1 44.6 323
171 6 16 336 96 412 1.90E-69 271.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012774 6579 1763.4 UdeM00000012774 XP_033733564.1 50.8
1670 706 11 28 1601 14 1663 0.00E+00 1763.4 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012775 6573 161.8 UdeM00000012775 XP_021345423.1 57.2 138
58 1 2 138 3 140 7.80E-37 161.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012776 6573 823.2 UdeM00000012776 XP_021360421.1 60.4 627
 244 4 30 654 26 650 3.20E-235 823.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012777 6565 430.6 UdeM00000012777 XP_022327962.1 56.9 390
 164 3 1 386 323 712 4.00E-117 430.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012778 1529436 172.6 UdeM00000012778 XP_033125825.1 57.7
 149 62 1 1 148 1 149 3.90E-40 172.6 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000012779 29159 275.4 UdeM00000012779 XP_011436588.1 91.9 149
 12 0 1 149 1 149 4.30E-71 275.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012780 8005 290.4 UdeM00000012780 XP_026867805.1 98 149
 3 0 1 149 1 149 1.30E-75 290.4 8005 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnoto
 idei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000012781 9755 157.1 UdeM00000012781 XP_023974562.1 47.1 174
 83 3 14 187 57 221 2.10E-35 157.1 9755 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Artiodactyla;Whippomorpha;Cetacea;Odontocet
 i;Physeteridae;Physeter;Physeter catodon
 UdeM00000012782 9798 243.4 UdeM00000012782 XP_008516751.1 74.6 169
 38 2 24 192 14 177 2.30E-61 243.4 9798 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Perissodactyla;Equidae;Equus;Equus;Equus
 przewalskii
 UdeM00000012783 7739 237.3 UdeM00000012783 XP_035669437.1 77 148
 34 0 1 148 1 148 1.30E-59 237.3 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000012784 1156394 211.1 UdeM00000012784 XP_008607073.1 68.7
 150 46 1 1 150 1 149 1.00E-51 211.1 1156394
 cellular
 organisms;Eukaryota;Sar;Stramenopiles;Oomycota;Saprolegniales;Saprolegnia
 ceae;Saprolegnia;Saprolegnia diclina;Saprolegnia diclina VS20
 UdeM00000012785 29139 147.5 UdeM00000012785 XP_027718166.1 47.7 149
 77 1 1 148 1 149 1.40E-32 147.5 29139 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metatheria;Diprotodontia;Vombatidae;Vombatus;Vombatus ursinus

UdeM00000012787 412030 240.4 UdeM00000012787 XP_001448363.1 77.2
149 34 0 1 149 1 149 1.50E-60 240.4 412030
cellular

organisms;Eukaryota;Sar;Alveolata;Ciliophora;Intramacronucleata;Oligohymenophorea;Peniculida;Parameciidae;Paramecium;Paramecium tetraurelia;Paramecium tetraurelia strain d4-2

UdeM00000012788 109461 285 UdeM00000012788 XP_022654919.1 95.3
149 7 0 1 149 1 149 5.40E-74 285 109461
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Mesostigmata;Monogynaspida;Gamasina;Dermanyssoidea;Varroidae;Varroa;Varroa destructor

UdeM00000012789 3981 184.1 UdeM00000012789 XP_021690954.1 63.3 150
51 2 1 149 1 147 1.30E-43 184.1 3981 cellular

organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;eudicotyledons;Gunneridae;Pentapetalae;rosids;fabids;Malpighiales;Euphorbiaceae;Crotonoideae;Micrandreae;Hevea;Hevea brasiliensis

UdeM00000012790 6596 245 UdeM00000012790 XP_045165014.1 42.1 304
159 5 2 288 4 307 1.20E-61 245 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012791 78828 198.4 UdeM00000012791 XP_020583000.1 67.1 146
47 1 1 145 1 146 6.60E-48 198.4 78828 cellular

organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;Liliopsida;Petrosaviidae;Asparagales;Orchidaceae;Epidendroideae;Vandae;Aeridinae;Phalaenopsis;Phalaenopsis equestris

UdeM00000012792 6573 231.9 UdeM00000012792 XP_021349551.1 75.8 149
36 0 1 149 1 149 5.40E-58 231.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012793 6573 120.6 UdeM00000012793 XP_021341946.1 36.2 174
95 3 26 183 31 204 2.40E-24 120.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000012794 29159 68.9 UdeM00000012794 XP_034318944.1 58.1 62
24 1 5 64 422 483 5.70E-09 68.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012795 400727 1016.9 UdeM00000012795 XP_025104635.1
68.4 709 220 1 1 705 1 709 1.30E-293 1016.9
400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000012796 6596 515.8 UdeM00000012796 XP_045175931.1 67.8 367
113 3 1 365 1 364 4.60E-143 515.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012797 6596 443.7 UdeM00000012797 XP_045175943.1 73.4 289
75 1 12 298 5 293 2.00E-121 443.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012798 6596 444.1 UdeM00000012798 XP_045175943.1 73.4 289
75 1 6 292 5 293 1.50E-121 444.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012799 6596 293.1 UdeM00000012799 XP_045175918.1 51.9 260
125 0 15 274 8 267 3.90E-76 293.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012801 7741 194.1 UdeM00000012801 XP_019640293.1 64.5 141
49 1 19 158 267 407 1.50E-46 194.1 7741 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma belcheri

UdeM00000012802 6596 1511.9 UdeM00000012802 XP_045216282.1 67.8
1156 316 7 4 1141 13 1130 0.00E+00 1511.9 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012804 225164 585.9 UdeM00000012804 XP_009063622.1 74.2
407 56 1 9 415 6 363 4.20E-164 585.9 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiidae; Lottia; Lottia gigantea

UdeM00000012803 6579 963.8 UdeM00000012803 XP_033734019.1 69.5 721
114 3 9 673 6 676 1.20E-277 963.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000012805 1735272 230.7 UdeM00000012805 XP_041352812.1 51.1
225 95 3 45 265 33 246 2.40E-57 230.7 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000012806 6596 552 UdeM00000012806 XP_045215928.1 40.2 748
419 10 76 808 104 838 1.30E-153 552 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012807 6596 552.4 UdeM00000012807 XP_045215928.1 40.4 757
418 11 66 806 99 838 1.00E-153 552.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012808 6596 564.3 UdeM00000012808 XP_045215928.1 41.4 723
399 9 42 751 119 829 2.40E-157 564.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012809 6596 138.3 UdeM00000012809 XP_045214703.1 54.1 135
46 4 32 151 75 208 9.70E-30 138.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012810 6412 74.7 UdeM00000012810 XP_009012646.1 42.6 108
53 3 1 100 1 107 7.80E-11 74.7 6412 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
ssisphoniidae;Helobdella;Helobdella robusta
UdeM00000012811 6579 131 UdeM00000012811 XP_033734617.1 38 242
131 5 22 257 222 450 1.10E-26 131 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000012812 29159 73.9 UdeM00000012812 XP_034307341.1 38.6 88
54 0 3 90 5 92 1.70E-10 73.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012813 29159 92 UdeM00000012813 XP_034307341.1 39.8 118
63 2 9 118 230 347 9.10E-16 92 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000012814 1735272 304.3 UdeM00000012814 XP_041379319.1 50.2
285 138 3 2 284 640 922 1.60E-79 304.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000012816 6596 545.4 UdeM00000012816 XP_045187536.1 67.3 401
128 2 1 401 327 724 5.90E-152 545.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012815 6596 674.5 UdeM00000012815 XP_045187536.1 67.6 500
159 2 2 501 228 724 1.10E-190 674.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012817 6596 1759.6 UdeM00000012817 XP_045158123.1 67.5
1296 396 5 1 1296 1 1271 0.00E+00 1759.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012818 6596 381.7 UdeM00000012818 XP_045168008.1 51.5 375
164 2 16 372 19 393 1.60E-102 381.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012819 6596 380.9 UdeM00000012819 XP_045168025.1 54.2 349
159 1 1 349 1 348 2.60E-102 380.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012820 6596 130.6 UdeM00000012820 XP_045176009.1 46.3 108
58 0 1 108 422 529 1.20E-27 130.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012821 1735272 209.9 UdeM00000012821 XP_041352291.1 57.1
175 73 1 1 173 354 528 2.60E-51 209.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012822 6579 184.5 UdeM00000012822 XP_033735324.1 55.6 153
66 1 4 156 31 181 1.10E-43 184.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012825 6596 659.4 UdeM00000012825 XP_045175967.1 48.2 730
345 5 313 1019 197 916 7.20E-186 659.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012824 6596 666.4 UdeM00000012824 XP_045175967.1 35 1304
724 20 313 1549 197 1443 8.90E-188 666.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012826 6596 1062.8 UdeM00000012826 XP_045175954.1 79.7
634 124 1 26 659 29 657 1.80E-307 1062.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012827 29159 105.9 UdeM00000012827 XP_034325534.1 67.2 67
22 0 1 67 125 191 2.10E-20 105.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012828 6579 148.3 UdeM00000012828 XP_033733810.1 57.4 101
43 0 28 128 28 128 7.10E-33 148.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012829 6596 443.7 UdeM00000012829 XP_045186364.1 45.4 509
252 8 40 544 11 497 3.30E-121 443.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012830 6596 530.8 UdeM00000012830 XP_045186372.1 41.1 776
71 2 20 795 15 404 3.00E-147 530.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012831 6579 235.3 UdeM00000012831 XP_033735831.1 39.2 355
199 5 1 343 1 350 1.50E-58 235.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012832 29159 80.1 UdeM00000012832 XP_034339171.1 37.3 118
71 1 1 118 653 767 2.30E-12 80.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012833 29159 128.6 UdeM00000012833 XP_034331441.1 37.3 212
120 6 153 358 14 218 1.60E-26 128.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012834 29159 122.5 UdeM00000012834 XP_034331441.1 42.6 155
83 3 15 165 66 218 5.20E-25 122.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012836 29159 80.1 UdeM00000012836 XP_034339171.1 37.3 118
 71 1 1 118 653 767 2.30E-12 80.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012835 29159 97.8 UdeM00000012835 XP_034339171.1 37 146
 88 2 4 148 625 767 1.30E-17 97.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012837 29159 122.5 UdeM00000012837 XP_034331441.1 42.6 155
 83 3 15 165 66 218 5.20E-25 122.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012838 29159 98.2 UdeM00000012838 XP_034339171.1 37.7 146
 87 2 4 148 625 767 1.00E-17 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012839 6596 88.6 UdeM00000012839 XP_045171063.1 31 174
 108 4 2 165 43 214 9.80E-15 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012840 6579 425.6 UdeM00000012840 XP_033736222.1 56.7 367
 144 5 12 372 10 367 6.40E-116 425.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012841 6596 183.3 UdeM00000012841 XP_045168049.1 58.4 149
 52 2 15 153 9 157 2.40E-43 183.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012842 400727 121.3 UdeM00000012842 XP_025103718.1 46.9
 128 67 1 7 133 16 143 1.10E-24 121.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000012843 6573 438 UdeM00000012843 XP_021359218.1 56.3 364
 158 1 134 497 405 767 1.70E-119 438 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012844 6579 768.8 UdeM00000012844 XP_033734428.1 85.3 435
 64 0 19 453 41 475 3.80E-219 768.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012845 400727 781.2 UdeM00000012845 XP_025103500.1 83.6
 445 72 1 19 462 35 479 7.40E-223 781.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000012846 260615 124.8 UdeM00000012846 XP_039383630.1 95.3
 64 3 0 96 159 276 339 9.90E-26 124.8 260615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;
 Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;
 Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;
 Geoemydinae;Mauremys;Mauremys reevesii
 UdeM00000012847 6565 169.1 UdeM00000012847 XP_022332323.1 55.6 144
 64 0 4 147 3 146 4.30E-39 169.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012848 7574 194.1 UdeM00000012848 XP_013392779.1 60.6 142
 56 0 23 164 1 142 1.40E-46 194.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;
 Lingulidae;Lingula;Lingula anatina
 UdeM00000012850 6596 83.6 UdeM00000012850 XP_045187526.1 60 70
 26 1 311 378 350 419 8.80E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000012851 6596 83.6 UdeM00000012851 XP_045187526.1 60 70
 26 1 311 378 350 419 9.00E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000012849 6596 83.6 UdeM00000012849 XP_045187526.1 60 70
 26 1 311 378 350 419 1.00E-12 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000012854 6573 330.1 UdeM00000012854 XP_021353694.1 87.9 173
 21 0 1 173 1 173 1.70E-87 330.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012855 70779 104.4 UdeM00000012855 XP_015760391.1 50 98
 49 0 10 107 312 409 9.90E-20 104.4 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
 Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera
 UdeM00000012856 10224 114.8 UdeM00000012856 XP_006820181.1 54.2 107
 48 1 3 109 373 478 9.10E-23 114.8 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000012857 10224 186 UdeM00000012857 XP_006820181.1 48.5 196
100 1 1 195 164 359 4.50E-44 186 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000012858 6526 270.8 UdeM00000012858 XP_013072216.1 97.7 131
3 0 25 155 3 133 1.10E-69 270.8 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidae;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000012859 6596 544.7 UdeM00000012859 XP_045162235.1 69.5 857
187 9 2 836 1 805 2.10E-151 544.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012860 29159 246.5 UdeM00000012860 XP_011413365.2 63.7 259
64 6 1 257 1 231 4.00E-62 246.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidae;Crassostrea;Crassostrea gigas
UdeM00000012861 6596 67.4 UdeM00000012861 XP_045161434.1 26.9 216
148 3 166 371 14 229 4.40E-08 67.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012862 6596 97.1 UdeM00000012862 XP_045187003.1 48.3 180
86 2 1 180 1 173 3.00E-17 97.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012863 6526 68.9 UdeM00000012863 XP_013094521.1 43 121
68 1 2 121 176 296 1.00E-08 68.9 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidae;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000012864 6596 105.5 UdeM00000012864 XP_045188023.1 53.7 121
52 1 8 128 8 124 6.10E-20 105.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000012865 6596 102.4 UdeM00000012865 XP_045188023.1 53.7 121
52 1 8 128 8 124 5.10E-19 102.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000012866 6596 193.7 UdeM00000012866 XP_045171063.1 36.2 293
 172 6 15 296 7 295 4.30E-46 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012867 29159 145.6 UdeM00000012867 XP_034331441.1 38.7 222
 129 5 1 219 1 218 1.10E-31 145.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012868 6565 291.2 UdeM00000012868 XP_022305442.1 38.5 405
 238 9 6 404 70 469 2.10E-75 291.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012869 6579 71.6 UdeM00000012869 XP_033739514.1 30.7 163
 95 4 37 181 620 782 1.20E-09 71.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012875 6573 64.3 UdeM00000012875 XP_021341921.1 21.4 753
 454 29 170 882 146 800 1.10E-06 64.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012876 29159 130.6 UdeM00000012876 XP_011413368.2 43.6 365
 129 6 318 618 123 474 7.00E-27 130.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012877 6573 84.7 UdeM00000012877 XP_021341890.1 39.2 120
 68 1 47 166 37 151 1.20E-13 84.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012878 6596 253.1 UdeM00000012878 XP_045156787.1 40.8 331
 167 3 5 333 2896 3199 5.10E-64 253.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012879 6596 97.4 UdeM00000012879 XP_045187191.1 40.9 137
 81 0 7 143 10 146 1.50E-17 97.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012880 6596 115.5 UdeM00000012880 XP_045187190.1 43.1 137
 78 0 7 143 10 146 5.40E-23 115.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria
 mercenaria
 UdeM00000012881 13686 152.5 UdeM00000012881 XP_011170408.3 37.9 240
 130 6 73 301 117 348 8.80E-34 152.5 13686 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsi
 s invicta
 UdeM00000012882 6596 108.6 UdeM00000012882 XP_045187190.1 39.4 137
 81 2 7 141 10 146 6.50E-21 108.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012883 6596 110.2 UdeM00000012883 XP_045179367.1 42.3 142
 77 4 3 140 63 203 2.30E-21 110.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012884 6596 370.5 UdeM00000012884 XP_045177666.1 47.9 388
 184 3 25 394 142 529 2.60E-99 370.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012885 6579 938.7 UdeM00000012885 XP_033733639.1 55.5 840
 358 9 28 864 666 1492 5.20E-270 938.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012886 6573 1381.7 UdeM00000012886 XP_021379972.1 60.7
 1131 423 7 30 1143 74 1199 0.00E+00 1381.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012887 7757 562.4 UdeM00000012887 XP_032835197.1 78.4 357
 75 2 77 432 3 358 5.70E-157 562.4 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000012888 1415580 177.9 UdeM00000012888 XP_030075314.1 53.8
 158 72 1 3 160 326 482 1.00E-41 177.9 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000012891 225164 114 UdeM00000012891 XP_009059259.1 29.6
 277 184 6 230 500 91 362 5.50E-22 114 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000012892 6596 619 UdeM00000012892 XP_045185472.1 63.3 458
164 3 8 463 2 457 4.90E-174 619 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000012893 6579 160.2 UdeM00000012893 XP_033735462.1 52.3 149
71 0 1 149 1 149 2.10E-36 160.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012894 6579 777.3 UdeM00000012894 XP_033735282.1 38.5 1422
649 35 1 1274 122 1465 2.90E-221 777.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012895 225164 226.5 UdeM00000012895 XP_009063161.1 46.2
266 141 2 42 306 1 265 4.70E-56 226.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000012896 133434 237.3 UdeM00000012896 XP_022088649.1 64
342 109 3 1 337 10 342 2.90E-59 237.3 133434
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac-
anthasteridae;Acanthaster;Acanthaster planci

UdeM00000012898 50390 266.5 UdeM00000012898 XP_028127913.1 41.4 333
189 3 1 332 1 328 4.40E-68 266.5 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse-
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu-
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D-
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera

UdeM00000012899 6596 285.4 UdeM00000012899 XP_045169106.1 69.2 198
58 2 52 246 36 233 7.70E-74 285.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000012900 6565 81.3 UdeM00000012900 XP_022331514.1 37.4 99
58 1 9 103 8 106 8.50E-13 81.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr-
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012901 225164 294.3 UdeM00000012901 XP_009056063.1 100
149 0 0 1 149 1 149 8.90E-77 294.3 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000012902 6596 914.4 UdeM00000012902 XP_045213630.1 65.2 658
226 2 1 657 32 687 8.00E-263 914.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012903 1735272 75.1 UdeM00000012903 XP_041378228.1 51.5
66 31 1 1 66 73 137 3.90E-11 75.1 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000012904 6596 951.4 UdeM00000012904 XP_045213630.1 67.3 658
212 2 1 657 32 687 5.90E-274 951.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012905 6596 199.1 UdeM00000012905 XP_045186616.1 46.7 214
110 1 1 214 1 210 5.60E-48 199.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012907 6596 908.7 UdeM00000012907 XP_045187007.1 59.9 837
279 6 1 785 1 832 5.90E-261 908.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012908 6526 472.2 UdeM00000012908 XP_013069396.1 71.8 301
84 1 9 308 10 310 7.30E-130 472.2 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeioidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000012909 7574 149.4 UdeM00000012909 XP_013417267.1 45.5 165
72 4 4 150 10 174 3.70E-33 149.4 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000012911 6596 248.4 UdeM00000012911 XP_045180801.1 40.1 394
218 9 57 446 107 486 1.70E-62 248.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000012912 6596 624.4 UdeM00000012912 XP_045176523.1 73.6 375
96 1 8 379 5 379 9.50E-176 624.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012913 6500 97.8 UdeM00000012913 XP_005107613.1 43.5 85
48 0 25 109 19 103 9.00E-18 97.8 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000012914 29159 594 UdeM00000012914 XP_034324244.1 81.3 358
65 2 1 357 1 357 1.90E-166 594 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012915 6596 172.2 UdeM00000012915 XP_045187266.1 58.4 161
58 3 12 164 7 166 5.60E-40 172.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012916 217634 87.4 UdeM00000012916 XP_018566622.1 53.7
82 38 0 4 85 1 82 1.30E-14 87.4 217634

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Cerambycidae;Lamiinae;Lamiini;Anoplophora;Anoplophora glabripennis

UdeM00000012917 1735272 309.3 UdeM00000012917 XP_041352726.1 54.5
279 120 4 14 290 2 275 1.00E-80 309.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012918 6596 646.7 UdeM00000012918 XP_045167927.1 51.5 660
288 17 1 652 1 636 3.10E-182 646.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012919 7741 238 UdeM00000012919 XP_019639017.1 51.1 221
105 3 18 237 35 253 1.20E-59 238 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000012920 6596 1254.2 UdeM00000012920 XP_045186297.1 74.1
857 221 1 1 856 1 857 0.00E+00 1254.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012921 6596 4150.5 UdeM00000012921 XP_045186297.1 69.7
3129 906 11 1 3106 859 3968 0.00E+00 4150.5 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012922 6105 252.7 UdeM00000012922 XP_031566938.1 34.6 434
244 12 83 512 25 422 1.00E-63 252.7 6105 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000012923 6596 401 UdeM00000012923 XP_045165310.1 47.8 433
193 4 1 407 1 426 1.90E-108 401 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012924 6596 437.6 UdeM00000012924 XP_045165305.1 51.4 422
173 4 4 393 239 660 1.70E-119 437.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012925 6596 113.6 UdeM00000012925 XP_045165283.1 42.3 149
82 2 4 150 6 152 2.40E-22 113.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012926 6596 159.8 UdeM00000012926 XP_045165252.1 43.2 162
92 0 1 162 4 165 2.80E-36 159.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012927 6596 444.1 UdeM00000012927 XP_045185607.1 44.3 467
248 5 7 464 4 467 2.30E-121 444.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012928 29159 99.8 UdeM00000012928 XP_034326852.1 43.1 116
63 2 20 132 113 228 2.90E-18 99.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012929 6596 446.8 UdeM00000012929 XP_045180102.1 50.6 443
205 5 1 433 7 445 3.30E-122 446.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012930 6945 62.4 UdeM00000012930 XP_040079019.1 41.2 68
40 0 51 118 5 72 1.30E-06 62.4 6945 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000012931 6596 1248 UdeM00000012931 XP_045181951.1 43.6 1506
 829 12 77 1579 89 1576 0.00E+00 1248 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012932 6579 260 UdeM00000012932 XP_033755648.1 33.6 452
 275 9 1 434 11 455 5.70E-66 260 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012934 6565 79 UdeM00000012934 XP_022330448.1 64.8 54
 19 0 151 204 287 340 8.00E-12 79 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012935 6579 369.8 UdeM00000012935 XP_033733812.1 55.4 323
 139 1 58 375 67 389 4.30E-99 369.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012936 6596 287.7 UdeM00000012936 XP_045162751.1 67.2 204
 67 0 22 225 379 582 1.30E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012937 6565 421 UdeM00000012937 XP_022335157.1 65.9 349
 114 3 11 355 437 784 1.50E-114 421 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012938 6565 934.9 UdeM00000012938 XP_022335157.1 64 786
 277 4 1 782 1 784 6.80E-269 934.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012939 29159 912.9 UdeM00000012939 XP_011455679.1 75 572
 137 3 1 572 1 566 2.00E-262 912.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012940 6579 210.3 UdeM00000012940 XP_033736190.1 70 140
 42 0 1 140 1 140 1.60E-51 210.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000012941 6596 662.1 UdeM00000012941 XP_045187099.1 66.9 499
 163 2 1 498 34 531 5.40E-187 662.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012943 6596 157.9 UdeM00000012943 XP_045182803.1 49 143
 73 0 133 275 103 245 1.80E-35 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012942 6596 157.9 UdeM00000012942 XP_045182803.1 49 143
 73 0 135 277 103 245 1.80E-35 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012944 6573 388.3 UdeM00000012944 XP_021367630.1 95.8 191
 8 0 1 191 1 191 5.80E-105 388.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012946 29159 434.9 UdeM00000012946 XP_019926413.2 61 372
 70 2 1 298 239 609 9.70E-119 434.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012947 29159 242.3 UdeM00000012947 XP_019926413.2 79.2 154
 31 1 1 153 53 206 4.10E-61 242.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000012948 6596 461.1 UdeM00000012948 XP_045183835.1 49.3 755
 283 29 1 716 162 855 2.60E-126 461.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012949 6596 120.6 UdeM00000012949 XP_045162401.1 39 154
 86 2 26 171 75 228 2.90E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012952 6565 324.3 UdeM00000012952 XP_022332521.1 75.3 259
 60 3 1 257 1 257 1.50E-85 324.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012954 6565 615.9 UdeM00000012954 XP_022330544.1 76.8 427
 92 5 3 426 1 423 4.50E-173 615.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012955 6596 738.8 UdeM00000012955 XP_045187076.1 95.1 391
 19 0 5 395 3 393 3.60E-210 738.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012956 6596 1395.2 UdeM00000012956 XP_045187075.1 61.7
1274 416 21 1 1207 1 1269 0.00E+00 1395.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012957 13616 128.3 UdeM00000012957 XP_007472864.1 57.6 99
42 0 1 99 59 157 5.60E-27 128.3 13616 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metather
ia;Didelphimorphia;Didelphidae;Didelphinae;Monodelphis;Monodelphis
domestica

UdeM00000012958 34773 127.5 UdeM00000012958 XP_041927996.1 63.4 93
34 0 7 99 5 97 9.60E-27 127.5 34773 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;A
losa sapidissima

UdeM00000012959 400727 560.5 UdeM00000012959 XP_025104604.1 69.9
422 124 3 1 421 1 420 7.10E-156 560.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000012960 6596 357.5 UdeM00000012960 XP_045170693.1 61.7 295
112 1 1 294 1 295 1.70E-95 357.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012961 6596 515.4 UdeM00000012961 XP_045170682.1 82.4 313
51 2 1 313 1 309 5.10E-143 515.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012962 6596 751.9 UdeM00000012962 XP_045170667.1 78.5 465
92 5 1 463 1 459 4.80E-214 751.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012963 6596 962.6 UdeM00000012963 XP_045170646.1 64.1 715
257 0 1 715 1 715 2.80E-277 962.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012964 6596 104.8 UdeM00000012964 XP_045202044.1 55.8 283
 125 0 7 289 8 290 2.00E-19 104.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012965 6596 516.9 UdeM00000012965 XP_045170718.1 52.4 521
 226 9 1 506 1 514 4.50E-143 516.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012966 7574 370.5 UdeM00000012966 XP_013407698.1 77.7 238
 51 2 12 248 15 251 1.60E-99 370.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000012967 1735272 114 UdeM00000012967 XP_041354124.1 63.9
 83 29 1 10 92 12 93 1.10E-22 114 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012968 6579 259.2 UdeM00000012968 XP_033735933.1 33.6 819
 375 21 21 819 4 673 1.80E-65 259.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012969 6579 634.8 UdeM00000012969 XP_033735936.1 56.5 637
 236 14 1 612 1 621 1.10E-178 634.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000012970 6565 411.4 UdeM00000012970 XP_022330644.1 40.5 666
 354 14 80 726 791 1433 2.70E-111 411.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000012971 1735272 189.9 UdeM00000012971 XP_041355165.1 36.2
 426 212 16 135 542 1643 2026 8.60E-45 189.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012972 6596 431 UdeM00000012972 XP_045172589.1 59.1 362
 146 2 1 362 1 360 1.50E-117 431 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000012973 6596 396 UdeM00000012973 XP_045162154.1 68 266
 85 0 9 274 34 299 4.00E-107 396 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012974 6596 249.2 UdeM00000012974 XP_045187140.1 53.1 416
 176 3 1 405 1 408 8.90E-63 249.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012975 6596 524.2 UdeM00000012975 XP_045187139.1 37.6 798
 458 12 12 787 25 804 2.80E-145 524.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012976 6596 912.9 UdeM00000012976 XP_045172463.1 63.2 726
 242 12 5 711 3 722 2.50E-262 912.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012977 225164 105.5 UdeM00000012977 XP_009065828.1 63.2
 87 29 2 1 85 1 86 3.50E-20 105.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000012978 6596 1009.6 UdeM00000012978 XP_045179818.1 52
 942 420 7 1 932 1 920 2.60E-291 1009.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012979 6596 214.9 UdeM00000012979 XP_045179837.1 69.9 146
 43 1 1 145 1 146 6.80E-53 214.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012980 6565 199.1 UdeM00000012980 XP_022329427.1 72.4 123
 34 0 27 149 76 198 3.90E-48 199.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000012981 6596 80.9 UdeM00000012981 XP_045185588.1 55.1 78
 34 1 1 78 1 77 1.30E-12 80.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012982 6596 263.5 UdeM00000012982 XP_045162039.1 65.4 182
 57 2 17 198 27 202 2.30E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012984 6596 231.1 UdeM00000012984 XP_045162039.1 63.9 166
 54 3 2 167 43 202 1.10E-57 231.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012983 6596 253.4 UdeM00000012983 XP_045162039.1 63.4 183
 61 3 25 207 26 202 2.50E-64 253.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012986 6573 167.5 UdeM00000012986 XP_021368772.1 54.2 155
 60 6 2 151 44 192 1.30E-38 167.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012985 6573 210.3 UdeM00000012985 XP_021368772.1 56.5 184
 69 6 11 189 15 192 2.20E-51 210.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000012987 6596 148.3 UdeM00000012987 XP_045187840.1 50 142
 71 0 301 442 302 443 2.40E-32 148.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012988 6596 150.2 UdeM00000012988 XP_045187867.1 43.1 181
 94 1 235 415 227 398 5.80E-33 150.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000012989 6579 94.4 UdeM00000012989 XP_033752274.1 35.3 139
 77 2 30 155 218 356 1.50E-16 94.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038440 6596 295 UdeM00000038440 XP_045170131.1 63.4 224
 79 2 1 224 1 221 7.90E-77 295 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038441 6573 469.2 UdeM00000038441 XP_021352742.1 71.9 303
 85 0 1 303 1 303 4.10E-129 469.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038442 6573 102.8 UdeM00000038442 XP_021352394.1 50 116
 51 2 5 115 162 275 4.30E-19 102.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000038443 6579 176.8 UdeM00000038443 XP_033754505.1 56.6 145
63 0 1 145 16 160 2.30E-41 176.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000038444 6579 154.5 UdeM00000038444 XP_033754505.1 57.7 123
52 0 3 125 38 160 1.00E-34 154.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000038445 6596 326.2 UdeM00000038445 XP_045192847.1 67.2 262
84 2 9 270 11 270 4.70E-86 326.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038446 6596 57.8 UdeM00000038446 XP_045188985.1 43.9 82
43 2 26 105 217 297 1.00E-05 57.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038447 6596 563.1 UdeM00000038447 XP_045192867.1 73.4 353
93 1 61 412 29 381 2.80E-157 563.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038449 6596 481.5 UdeM00000038449 XP_045170131.1 65.5 357
120 2 1 357 1 354 9.50E-133 481.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038450 6596 144.8 UdeM00000038450 XP_045192856.1 68.8 96
29 1 26 120 306 401 7.00E-32 144.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038451 6596 481.5 UdeM00000038451 XP_045170131.1 65.5 357
120 2 1 357 1 354 9.50E-133 481.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000038452 6596 144.8 UdeM00000038452 XP_045192856.1 68.8 96
29 1 26 120 306 401 7.00E-32 144.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria
 UdeM00000038453 13686 311.2 UdeM00000038453 XP_011170408.3 30 706
 325 13 132 678 115 810 3.20E-81 311.2 13686 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsi
 s invicta
 UdeM00000038454 6596 478.4 UdeM00000038454 XP_045170131.1 65.7 353
 118 2 14 366 5 354 8.30E-132 478.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038456 6573 469.2 UdeM00000038456 XP_021352742.1 71.9 303
 85 0 1 303 1 303 4.10E-129 469.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040555 6596 308.5 UdeM00000040555 XP_045194229.1 30.1 722
 453 14 419 1116 15 708 3.40E-80 308.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040556 6596 311.2 UdeM00000040556 XP_045191742.1 30.3 717
 462 13 8 703 6 705 3.40E-81 311.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040557 6596 136.3 UdeM00000040557 XP_045204548.1 40.9 159
 87 5 1 157 386 539 3.30E-29 136.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040558 6596 133.7 UdeM00000040558 XP_045204548.1 40.3 159
 88 5 1 157 386 539 2.10E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040559 29159 328.6 UdeM00000040559 XP_034321663.1 46.4 338
 175 5 24 361 9 340 1.10E-86 328.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040560 6596 133.7 UdeM00000040560 XP_045204548.1 40.3 159
 88 5 1 157 386 539 2.10E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040561 1735272 281.6 UdeM00000040561 XP_041370326.1 44.3
291 150 4 27 307 14 302 1.20E-72 281.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040562 6579 501.5 UdeM00000040562 XP_033732123.1 43.2 544
294 5 5 539 1 538 1.30E-138 501.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040563 6579 501.5 UdeM00000040563 XP_033732123.1 43.2 544
294 5 26 560 1 538 1.40E-138 501.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040568 6573 391 UdeM00000040568 XP_021357394.1 77.6 241
50 2 1 238 1 240 1.90E-105 391 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040569 6573 369.8 UdeM00000040569 XP_021357394.1 65.6 285
50 3 1 282 1 240 4.90E-99 369.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040570 6596 479.2 UdeM00000040570 XP_045197937.1 67 336
107 1 1 336 8 339 4.40E-132 479.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040571 6596 470.7 UdeM00000040571 XP_045196786.1 62.2 357
131 3 1 354 1 356 1.70E-129 470.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040572 6573 190.3 UdeM00000040572 XP_021367187.1 40.8 250
143 3 13 262 14 258 3.20E-45 190.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040573 6579 285.8 UdeM00000040573 XP_033763355.1 49.3 286
141 3 2 283 16 301 6.10E-74 285.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040574 1735272 94.4 UdeM00000040574 XP_041368704.1 29.8
305 173 12 24 312 31 310 3.10E-16 94.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000040575 7574 141.7 UdeM00000040575 XP_013386407.1 58.7 109
45 0 3 111 7 115 5.50E-31 141.7 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000040576 6596 730.3 UdeM00000040576 XP_045205441.1 60.1 557
222 0 21 577 42 598 1.90E-207 730.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040577 114398 422.2 UdeM00000040577 XP_042903861.1 39.1
609 353 7 1 598 1 602 1.10E-114 422.2 114398
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum
UdeM00000040578 29159 145.6 UdeM00000040578 XP_011449844.1 24 525
361 12 14 513 174 685 1.70E-31 145.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040579 161013 139.8 UdeM00000040579 XP_034251733.1 45.8
142 64 2 5 133 66 207 2.60E-30 139.8 161013
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;T
hripoidea;Thripidae;Thripinae;Thrips;Thrips palmi
UdeM00000040580 29159 371.3 UdeM00000040580 XP_034318672.1 40.1 544
193 8 249 668 359 893 2.70E-99 371.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040581 7741 433 UdeM00000040581 XP_019627143.1 56.3 375
158 6 4 372 159 533 4.10E-118 433 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000040582 29159 63.9 UdeM00000040582 XP_034320570.1 42.2 83
47 1 65 147 768 849 2.10E-07 63.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040583 7574 137.5 UdeM00000040583 XP_013407624.1 54.8 135
60 1 1 135 167 300 1.40E-29 137.5 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000040584 1735272 185.7 UdeM00000040584 XP_041347279.1 33.2
334 197 7 1 313 1 329 9.30E-44 185.7 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040585 1735272 575.1 UdeM00000040585 XP_041347279.1 56.4
479 208 1 1 478 404 882 8.30E-161 575.1 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040586 1735272 519.2 UdeM00000040586 XP_041347279.1 56.5
430 186 1 2 430 453 882 4.90E-144 519.2 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040587 29159 110.2 UdeM00000040587 XP_011457078.3 37.4 139
83 2 166 304 49 183 4.90E-21 110.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040588 29159 110.2 UdeM00000040588 XP_011457078.3 37.4 139
83 2 160 298 49 183 4.80E-21 110.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040589 441366 635.6 UdeM00000040589 XP_028318218.1 48.8
565 289 0 1 565 216 780 6.70E-179 635.6 441366

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
willdenowi

UdeM00000040590 6596 117.1 UdeM00000040590 XP_045206986.1 44.2 154
79 3 13 162 122 272 2.10E-23 117.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040593 6596 124.8 UdeM00000040593 XP_045206986.1 42.3 163
88 2 48 206 112 272 1.30E-25 124.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040592 6596 124.8 UdeM00000040592 XP_045206986.1 42.3 163
88 2 99 257 112 272 1.60E-25 124.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040594 6596 1335.1 UdeM00000040594 XP_045194112.1 47.3
 1390 636 15 6 1315 62 1435 0.00E+00 1335.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040595 6596 333.2 UdeM00000040595 XP_045210908.1 66.7 246
 71 4 23 258 36 280 3.00E-88 333.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040596 6579 94 UdeM00000040596 XP_033727551.1 30.6 232
 133 9 3 210 36 263 6.20E-16 94 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040597 6579 90.5 UdeM00000040597 XP_033727551.1 27.1 221
 141 4 3 204 36 255 3.00E-15 90.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040600 218467 77.4 UdeM00000040600 XP_023232316.1 34.3
 140 86 3 61 199 64 198 3.00E-11 77.4 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000040603 543639 79.3 UdeM00000040603 XP_037565501.1 33.7
 98 64 1 3 99 41 138 6.40E-12 79.3 543639
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Dermacentor;Dermacentor
 silvarum
 UdeM00000040606 6945 90.1 UdeM00000040606 XP_040069682.2 28.6 182
 111 5 12 182 43 216 5.40E-15 90.1 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000040607 543639 84.7 UdeM00000040607 XP_037564446.1 29.1
 182 108 7 12 180 40 213 2.10E-13 84.7 543639
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Dermacentor;Dermacentor
 silvarum
 UdeM00000040610 6945 82 UdeM00000040610 XP_040069237.1 28.8 226
 135 5 26 225 52 277 1.40E-12 82 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000040611 6579 93.2 UdeM00000040611 XP_033727551.1 30.3 234
 138 9 3 217 36 263 6.40E-16 93.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040612 6579 97.1 UdeM00000040612 XP_033727551.1 27.4 223
 142 4 3 206 36 257 4.30E-17 97.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040613 6579 97.1 UdeM00000040613 XP_033727551.1 27.4 223
 142 4 3 206 36 257 4.30E-17 97.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040614 218467 88.2 UdeM00000040614 XP_023232316.1 37.7
 122 75 1 61 181 64 185 2.00E-14 88.2 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000040615 218467 85.1 UdeM00000040615 XP_023232316.1 31.8
 170 104 4 23 181 17 185 1.20E-13 85.1 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000040616 218467 85.1 UdeM00000040616 XP_023232316.1 31.8
 170 104 4 23 181 17 185 1.20E-13 85.1 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000040617 218467 83.6 UdeM00000040617 XP_023232316.1 31.8
 170 104 4 23 181 17 185 3.60E-13 83.6 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000040618 218467 83.6 UdeM00000040618 XP_023232316.1 31.8
 170 104 4 23 181 17 185 5.00E-13 83.6 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000040619 218467 85.1 UdeM00000040619 XP_023232316.1 31.8
 170 104 4 23 181 17 185 1.30E-13 85.1 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000040620 218467 85.1 UdeM00000040620 XP_023232316.1 31.8
 170 104 4 23 181 17 185 1.30E-13 85.1 218467
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000040621 218467 86.3 UdeM00000040621 XP_023232316.1 31.8
170 104 4 23 181 17 185 9.90E-14 86.3 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000040622 218467 85.1 UdeM00000040622 XP_023232316.1 31.8
170 104 4 23 181 17 185 1.30E-13 85.1 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000040623 218467 85.1 UdeM00000040623 XP_023232316.1 31.8
170 104 4 23 181 17 185 1.20E-13 85.1 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000040624 218467 86.3 UdeM00000040624 XP_023232316.1 31.8
170 104 4 23 181 17 185 7.70E-14 86.3 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000040625 6596 226.1 UdeM00000040625 XP_045187659.1 76.2 143
32 2 3 144 452 593 2.90E-56 226.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040626 6596 741.1 UdeM00000040626 XP_045187648.1 81.5 443
79 1 1 443 12 451 2.30E-210 741.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000040627 29159 441 UdeM00000040627 XP_034313077.1 63.8 323
117 0 1 323 1 323 1.30E-120 441 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040628 6579 127.1 UdeM00000040628 XP_033728274.1 31.2 311
161 9 1 262 1 307 3.40E-26 127.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040629 6596 1043.1 UdeM00000040629 XP_045187625.1 57.2
1101 433 18 5 1076 63 1154 2.40E-301 1043.1 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042577 83332 812.4 UdeM00000042577 NP_215287.1 81.6 489 90
0 1 489 23 511 3.20E-232 812.4 83332 cellular

organisms;Bacteria;Terrabacteria

group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000041602 6579 262.7 UdeM00000041602 XP_033741736.1 55.7 228
99 1 1 226 614 841 4.50E-67 262.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041603 6579 219.2 UdeM00000041603 XP_033741736.1 52.7 205
95 1 1 203 637 841 5.20E-54 219.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041604 6596 1362.8 UdeM00000041604 XP_045156859.1 30.6
2828 1584 51 1 2538 5592 8331 0.00E+00 1362.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041605 6579 139 UdeM00000041605 XP_033724553.1 34.2 190
118 4 1 188 364 548 6.00E-30 139 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041606 6573 1112.1 UdeM00000041606 XP_021353290.1 28.9
2737 1630 68 4 2599 186 2746 0.00E+00 1112.1 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041607 6573 564.3 UdeM00000041607 XP_021353372.1 50.2 584
277 8 15 593 14 588 1.80E-157 564.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041608 1735272 70.9 UdeM00000041608 XP_041378093.1 25.6
203 87 4 93 233 7552 7752 3.50E-09 70.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041611 6565 207.6 UdeM00000041611 XP_022297447.1 61 164
63 1 421 584 204 366 4.30E-50 207.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014721 6573 92 UdeM00000014721 XP_021372908.1 53.8 91
37 1 1 91 263 348 4.40E-16 92 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014722 6596 619.8 UdeM00000014722 XP_045160659.1 53.9 566
255 3 26 590 35 595 3.70E-174 619.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014723 6596 603.6 UdeM00000014723 XP_045158739.1 78.3 405
39 5 33 430 3 365 2.00E-169 603.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014724 6596 596.3 UdeM00000014724 XP_045158739.1 76.9 412
39 6 33 437 3 365 3.20E-167 596.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014725 6596 606.3 UdeM00000014725 XP_045158739.1 78.7 404
37 5 17 413 4 365 2.90E-170 606.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014726 6596 920.6 UdeM00000014726 XP_045158737.1 83.8 517
80 2 15 527 8 524 9.00E-265 920.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000014727 6573 112.1 UdeM00000014727 XP_021345932.1 30.4 316
187 8 948 1239 86 392 7.40E-21 112.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000014728 37621 129.4 UdeM00000014728 XP_014678940.1 54.6 108
49 0 5 112 461 568 3.30E-27 129.4 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus
UdeM00000014729 37621 216.1 UdeM00000014729 XP_014672567.1 52.9 174
82 0 10 183 345 518 4.80E-53 216.1 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus
UdeM00000014730 7668 120.2 UdeM00000014730 XP_011671223.1 48.4 124
62 2 8 131 10 131 2.60E-24 120.2 7668 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000014731 6596 422.5 UdeM00000014731 XP_045158400.1 62.1 594
 201 10 8 589 6 587 1.10E-114 422.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014732 6579 679.5 UdeM00000014732 XP_033738770.1 40.3 1083
 490 19 1 1057 21 972 6.90E-192 679.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014733 6579 680.2 UdeM00000014733 XP_033738770.1 40.3 1084
 492 19 1 1061 21 972 4.10E-192 680.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014734 6596 1796.9 UdeM00000014734 XP_045158402.1 82.5
 1032 181 0 3 1034 2 1033 0.00E+00 1796.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014735 400727 72.8 UdeM00000014735 XP_025110490.1 33.3
 108 56 3 54 149 184 287 4.30E-10 72.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000014736 6500 72.8 UdeM00000014736 XP_012941846.1 41.5 94
 52 1 27 117 231 324 3.90E-10 72.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000014738 6500 72.4 UdeM00000014738 XP_012941846.1 41.5 94
 52 1 22 112 231 324 4.90E-10 72.4 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000014740 6500 72.4 UdeM00000014740 XP_012941846.1 41.5 94
 52 1 35 125 231 324 5.30E-10 72.4 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000014743 6596 3162.5 UdeM00000014743 XP_045160618.1 64.8
 2524 766 18 98 2547 95 2569 0.00E+00 3162.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014744 6596 3154.4 UdeM00000014744 XP_045160618.1 64.4
 2539 766 19 98 2562 95 2569 0.00E+00 3154.4 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014745 6579 141 UdeM00000014745 XP_033730201.1 49.3 152
77 0 14 165 20 171 1.40E-30 141 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014746 6596 369 UdeM00000014746 XP_045159757.1 41.8 498
270 8 1 487 1 489 9.20E-99 369 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014747 6596 331.6 UdeM00000014747 XP_045157074.1 55.5 281
121 3 13 291 16 294 9.90E-88 331.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014748 6573 1620.5 UdeM00000014748 XP_021359588.1 78
978 215 0 32 1009 31 1008 0.00E+00 1620.5 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014749 6565 94.4 UdeM00000014749 XP_022292556.1 44 109
52 1 2 110 187 286 1.10E-16 94.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014750 6565 61.6 UdeM00000014750 XP_022292556.1 41.6 77
36 1 4 80 219 286 6.00E-07 61.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014751 29159 77 UdeM00000014751 XP_034307341.1 34.8 135
74 2 2 122 59 193 3.00E-11 77 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014752 6596 1220.7 UdeM00000014752 XP_045159227.1 39.8
1773 910 37 282 2007 751 2413 0.00E+00 1220.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014753 29159 65.9 UdeM00000014753 XP_034302097.1 51.6 64
31 0 9 72 561 624 3.60E-08 65.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014754 6596 669.8 UdeM00000014754 XP_045159227.1 35.2 1209
 653 29 282 1464 751 1855 7.60E-189 669.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014755 6565 537 UdeM00000014755 XP_022316532.1 55.3 494
 198 7 50 533 1609 2089 2.90E-149 537 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014756 6596 827.8 UdeM00000014756 XP_045159227.1 37.2 1300
 644 24 4 1152 1035 2312 1.80E-236 827.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014758 29159 179.5 UdeM00000014758 XP_034324494.1 43.7 247
 131 4 11 252 293 536 5.40E-42 179.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014759 110193 60.8 UdeM00000014759 XP_017777214.1 40.7
 81 47 1 10 90 11 90 1.80E-06 60.8 110193
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Stap
 hyliniformia;Staphylinoidea;Silphidae;Nicrophorinae;Nicrophorus;Nicrophor
 us vespilloides
 UdeM00000014760 6412 87.8 UdeM00000014760 XP_009015452.1 53.6 69
 32 0 1 69 1 69 6.00E-15 87.8 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000014761 7054 95.9 UdeM00000014761 XP_031328250.1 55 80
 36 0 1 80 249 328 4.50E-17 95.9 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000014764 6596 407.9 UdeM00000014764 XP_045157467.1 55 358
 142 2 22 379 62 400 1.40E-110 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014765 6596 210.7 UdeM00000014765 XP_045158977.1 52.2 203
 94 1 1 203 726 925 1.80E-51 210.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014766 400727 422.2 UdeM00000014766 XP_025109803.1 42.1
 743 292 22 6 721 14 645 1.40E-114 422.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000014769 29159 208 UdeM00000014769 XP_034331749.1 42.5 261
 139 4 195 455 133 382 2.60E-50 208 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014771 29159 282 UdeM00000014771 XP_034331749.1 46.3 298
 157 2 17 312 89 385 9.70E-73 282 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014770 29159 282 UdeM00000014770 XP_034331749.1 46.3 298
 157 2 104 399 89 385 1.20E-72 282 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014772 29159 278.5 UdeM00000014772 XP_034331749.1 47.3 300
 149 5 17 310 89 385 1.10E-71 278.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014773 6565 230.7 UdeM00000014773 XP_022293871.1 38 332
 169 4 21 349 89 386 2.80E-57 230.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014775 225164 158.3 UdeM00000014775 XP_009062695.1 61.8
 102 39 0 7 108 10 111 5.50E-36 158.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000014776 6573 957.6 UdeM00000014776 XP_021343541.1 76.8 577
 130 3 48 623 108 681 7.80E-276 957.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014778 1735272 109 UdeM00000014778 XP_041358477.1 42.5
 120 67 1 1 118 18 137 4.40E-21 109 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000014777 6573 274.2 UdeM00000014777 XP_021379001.1 35.6 489
 258 11 30 477 49 521 3.20E-70 274.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014779 6596 807 UdeM00000014779 XP_045158633.1 47.2 1038
 475 24 2 1000 141 1144 2.70E-230 807 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014780 6596 798.5 UdeM00000014780 XP_045158633.1 47 1038
 472 25 2 995 141 1144 9.70E-228 798.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014781 6579 109 UdeM00000014781 XP_033736710.1 50 98
 49 0 12 109 43 140 4.10E-21 109 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014782 6596 654.8 UdeM00000014782 XP_045157880.1 43.4 958
 426 20 37 935 3 903 1.60E-184 654.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014783 6596 141.4 UdeM00000014783 XP_045172484.1 20.1 728
 480 13 14 721 78 723 4.60E-30 141.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014784 6596 192.2 UdeM00000014784 XP_045160249.1 49.5 186
 92 2 18 201 19 204 7.50E-46 192.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014785 299123 97.4 UdeM00000014785 XP_021384513.1 61.6
 73 28 0 18 90 7 79 9.70E-18 97.4 299123
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Passeriformes;Passeroidea;Estrildidae;Estrildinae;Lonchura;Lonch
 ura striata;Lonchura striata domestica

UdeM00000014786 6596 288.1 UdeM00000014786 XP_045157841.1 40.5 439
 231 5 29 444 24 455 2.10E-74 288.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000014787 6596 582.8 UdeM00000014787 XP_045157840.1 75.2 363
 90 0 6 368 7 369 3.10E-163 582.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014789 6565 106.3 UdeM00000014789 XP_022318533.1 31.3 217
119 5 135 349 116 304 2.10E-19 106.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014790 6573 131.3 UdeM00000014790 XP_021347744.1 47.6 143
73 2 1 142 6 147 1.00E-27 131.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014791 6573 189.1 UdeM00000014791 XP_021345285.1 58.9 151
61 1 53 202 92 242 7.00E-45 189.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014793 400727 181.8 UdeM00000014793 XP_025109884.1 70.9
110 32 0 3 112 89 198 4.90E-43 181.8 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014792 400727 196.1 UdeM00000014792 XP_025109884.1 70.2
121 36 0 1 121 78 198 2.70E-47 196.1 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000014794 37653 302.8 UdeM00000014794 XP_014778423.1 90.7 162
15 0 1 162 1 162 2.70E-79 302.8 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000014795 37653 355.9 UdeM00000014795 XP_014778423.1 91.1 190
17 0 1 190 1 190 3.20E-95 355.9 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000014796 13686 206.1 UdeM00000014796 XP_011170408.3 39.5 296
174 3 2 294 586 879 6.30E-50 206.1 13686 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsis invicta

UdeM00000014797 3562 124 UdeM00000014797 XP_021865768.1 52.2 115
53 1 1 113 340 454 1.30E-25 124 3562 cellular

organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;eudicotyledons;Gunneridae;Pentapetalae;Caryophyllales;Chenopodiaceae;Chenopodioideae;Anserineae;Spinacia;Spinacia oleracea

UdeM00000014798 6596 1815 UdeM00000014798 XP_045158260.1 80.4 1130
210 4 1 1129 4 1122 0.00E+00 1815 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014799 1735272 84.7 UdeM00000014799 XP_041357543.1 35.5
124 76 2 1 124 1 120 9.70E-14 84.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014800 2607531 307 UdeM00000014800 XP_036361273.1 64.1
421 110 5 1 420 1 381 3.80E-80 307 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000014802 218467 235 UdeM00000014802 XP_023232860.1 97.2
109 3 0 1 109 1 109 6.30E-59 235 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000014803 6565 147.9 UdeM00000014803 XP_022315750.1 43 172
84 1 1 172 1 158 1.20E-32 147.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014805 2607531 178.3 UdeM00000014805 XP_029640321.1 48
202 98 3 1 200 1 197 9.70E-42 178.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000014804 6565 147.1 UdeM00000014804 XP_022315750.1 43 172
84 1 1 172 1 158 2.20E-32 147.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014806 6596 434.1 UdeM00000014806 XP_045160525.1 29 1799
986 56 7 1627 3 1687 7.80E-118 434.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014807 29159 288.9 UdeM00000014807 XP_011454588.2 38.3 551
232 7 1 548 1 446 1.40E-74 288.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014808 29159 344.7 UdeM00000014808 XP_019926412.2 58.6 290
116 2 67 352 2 291 1.40E-91 344.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014809 6579 696.8 UdeM00000014809 XP_033738245.1 84.4 392
 60 1 18 408 119 510 1.60E-197 696.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014810 6596 692.6 UdeM00000014810 XP_045160517.1 38.6 1268
 484 30 11 1074 24 1201 9.30E-196 692.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014812 6596 688.3 UdeM00000014812 XP_045160517.1 39.2 1244
 461 30 8 1046 24 1177 1.50E-194 688.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014811 6596 688.3 UdeM00000014811 XP_045160517.1 39.2 1244
 461 30 11 1049 24 1177 1.50E-194 688.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014813 29053 100.5 UdeM00000014813 XP_014209011.1 46.7 92
 49 0 9 100 1 92 1.30E-18 100.5 29053 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
 sitoida;Chalcidoidea;Encyrtidae;Encyrtinae;Copidosoma;Copidosoma
 floridanum
 UdeM00000014814 6579 448.7 UdeM00000014814 XP_033737525.1 73.9 264
 69 0 5 268 67 330 5.10E-123 448.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014815 7574 82 UdeM00000014815 XP_013404633.1 25.2 282
 146 7 19 296 25 245 1.40E-12 82 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000014816 6579 360.1 UdeM00000014816 XP_033762705.1 47.3 391
 186 7 18 398 71 451 3.60E-96 360.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014817 6579 335.5 UdeM00000014817 XP_033762705.1 44.4 408
 207 7 1 398 54 451 1.00E-88 335.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014818 6579 536.2 UdeM00000014818 XP_033740878.1 41.4 760
 360 13 1 720 1 715 6.50E-149 536.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000014820 6579 213.8 UdeM00000014820 XP_033753599.1 37.1 388
135 10 82 363 193 577 3.80E-52 213.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000014820 6579 59.3 UdeM00000014820 XP_033753599.1 44.8 67
37 0 4 70 13 79 1.20E-05 59.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000014821 6579 465.3 UdeM00000014821 XP_033740878.1 39.9 697
335 12 1 657 1 653 1.30E-127 465.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000014822 29159 176.8 UdeM00000014822 XP_034318677.1 41.3 283
139 9 271 540 6 274 1.80E-40 176.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000014825 37653 142.5 UdeM00000014825 XP_014782194.1 58.8 114
46 1 1 114 1 113 4.40E-31 142.5 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000014826 6596 68.6 UdeM00000014826 XP_045202912.1 22.7 344
240 10 2 333 380 709 3.30E-08 68.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000014827 7574 103.2 UdeM00000014827 XP_013390618.1 56.8 88
37 1 1 88 21 107 1.90E-19 103.2 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000014828 1529436 63.9 UdeM00000014828 XP_033122224.1 21.1
346 237 10 326 655 68 393 1.20E-06 63.9 1529436
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Pelmatozoa; Crinoidea; Articulata; Comatulida; Comatulidae; Comatulinae; Anneissia; Anneissia japonica
UdeM00000014831 6579 152.1 UdeM00000014831 XP_033753599.1 31 377
107 9 1 225 202 577 8.90E-34 152.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000014832 6596 74.3 UdeM00000014832 XP_045214561.1 24.6 333
203 15 1 302 391 706 3.20E-10 74.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014835 6596 62.8 UdeM00000014835 XP_045216883.1 23.5 391
 250 15 383 746 9 377 2.80E-06 62.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014836 6565 214.5 UdeM00000014836 XP_022306197.1 58.7 179
 71 2 1 176 504 682 1.10E-52 214.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014837 6596 559.7 UdeM00000014837 XP_045158774.1 58.5 516
 163 3 11 526 8 472 4.40E-156 559.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014838 6596 548.9 UdeM00000014838 XP_045158774.1 57.1 536
 169 5 7 537 10 489 7.50E-153 548.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014839 7741 283.5 UdeM00000014839 XP_019622111.1 51.1 280
 134 3 65 343 1 278 3.60E-73 283.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000014840 6596 571.6 UdeM00000014840 XP_045158774.1 59.8 522
 175 2 8 529 10 496 1.10E-159 571.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014841 1735272 390.2 UdeM00000014841 XP_041379368.1 56
 332 139 5 82 407 12 342 3.40E-105 390.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014842 6596 69.3 UdeM00000014842 XP_045202187.1 31 184
 107 6 27 193 30 210 6.50E-09 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014843 6565 76.6 UdeM00000014843 XP_022297524.1 32.2 143
 90 4 27 164 129 269 3.30E-11 76.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014845 29159 68.9 UdeM00000014845 XP_034305323.1 32.6 132
 86 2 71 202 22 150 8.30E-09 68.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014846 1735272 367.9 UdeM00000014846 XP_041379368.1 51.9
 347 162 4 3 346 8 352 1.50E-98 367.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014848 1735272 397.1 UdeM00000014848 XP_041379368.1 56.6
 346 145 4 26 367 5 349 2.50E-107 397.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014849 29159 85.1 UdeM00000014849 XP_011426443.2 27.8 302
 186 9 10 296 13 297 1.70E-13 85.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014850 29159 95.9 UdeM00000014850 XP_011426443.2 28.6 304
 180 10 11 295 14 299 9.50E-17 95.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014852 10224 512.7 UdeM00000014852 XP_002733515.1 41.9 733
 371 18 32 733 15 723 8.00E-142 512.7 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000014853 1735272 153.3 UdeM00000014853 XP_041379368.1 56.6
 129 55 1 4 131 138 266 2.30E-34 153.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014854 7574 152.1 UdeM00000014854 XP_013416846.1 54.3 127
 58 0 65 191 18 144 7.50E-34 152.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000014855 10224 484.6 UdeM00000014855 XP_002733515.1 39.6 735
 393 19 29 739 15 722 2.40E-133 484.6 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000014857 10224 365.2 UdeM00000014857 XP_002733515.1 36.2 627
 321 15 29 591 15 626 1.60E-97 365.2 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000014856 10224 468.4 UdeM00000014856 XP_002733515.1 38.9 725
 362 17 29 688 15 723 1.60E-128 468.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000014858 1735272 323.9 UdeM00000014858 XP_041379368.1 49.3
 339 150 5 24 342 10 346 2.50E-85 323.9 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014859 48498 171.8 UdeM00000014859 XP_020620340.1 43.3 201
 109 3 2 200 818 1015 9.00E-40 171.8 48498 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata

UdeM00000014860 1735272 379.4 UdeM00000014860 XP_041379368.1 55.3
 340 137 5 312 638 11 348 9.00E-102 379.4 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014861 7739 205.7 UdeM00000014861 XP_035698644.1 42.4 262
 135 7 145 397 87 341 1.10E-49 205.7 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000014862 7741 179.9 UdeM00000014862 XP_019633261.1 40.8 228
 125 4 3 222 44 269 3.60E-42 179.9 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000014863 7574 173.3 UdeM00000014863 XP_013390464.1 46.4 194
 97 5 8 196 795 986 3.20E-40 173.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000014864 7574 180.3 UdeM00000014864 XP_013390464.1 43.2 220
 117 6 2 216 770 986 2.90E-42 180.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000014865 1735272 367.9 UdeM00000014865 XP_041379368.1 52.6
 342 157 4 146 484 10 349 2.10E-98 367.9 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014866 1735272 361.7 UdeM00000014866 XP_041379368.1 53.6
 330 148 4 111 437 10 337 1.30E-96 361.7 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014867 29159 1218 UdeM00000014867 XP_034307112.1 51.7 1181
 519 14 1 1136 142 1316 0.00E+00 1218 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014868 6565 159.5 UdeM00000014868 XP_022328252.1 44.1 211
 100 5 1 193 1105 1315 4.40E-36 159.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014869 6596 191.8 UdeM00000014869 XP_045174625.1 60.3 151
 59 1 31 180 226 376 7.50E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014870 6596 191.8 UdeM00000014870 XP_045174625.1 61.5 148
 56 1 31 177 226 373 7.40E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014871 7574 154.8 UdeM00000014871 XP_013416846.1 55.1 127
 57 0 33 159 18 144 9.80E-35 154.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000014872 10224 498 UdeM00000014872 XP_002733515.1 41.6 731
 384 18 99 809 15 722 2.20E-137 498 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000014873 10224 459.5 UdeM00000014873 XP_002733515.1 38 719
 408 14 30 721 16 723 7.90E-126 459.5 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000014874 6573 74.7 UdeM00000014874 XP_021367843.1 50 72
 36 0 4 75 135 206 7.10E-11 74.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014875 1735272 372.5 UdeM00000014875 XP_041379368.1 53.7
 339 152 4 24 359 10 346 6.50E-100 372.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014877 48498 198.7 UdeM00000014877 XP_020620340.1 42.3 222
 123 3 30 249 797 1015 8.50E-48 198.7 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000014878 1735272 377.1 UdeM00000014878 XP_041379368.1 54.7
 340 139 5 335 661 11 348 4.60E-101 377.1 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000014879 48498 205.7 UdeM00000014879 XP_020620340.1 46.5 226
113 4 26 249 798 1017 7.00E-50 205.7 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000014880 48498 205.7 UdeM00000014880 XP_020620340.1 46.5 226
113 4 21 244 798 1017 6.90E-50 205.7 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000014881 48498 205.3 UdeM00000014881 XP_020620340.1 46.1 228
113 4 21 246 798 1017 9.10E-50 205.3 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000014882 7741 179.9 UdeM00000014882 XP_019633261.1 41.2 228
124 4 3 222 44 269 3.60E-42 179.9 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000014883 7574 181.4 UdeM00000014883 XP_013389395.1 46.4 222
111 6 2 220 749 965 1.30E-42 181.4 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000014884 1735272 279.3 UdeM00000014884 XP_041379368.1 43.1
341 132 5 10 289 10 349 5.80E-72 279.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000014885 1735272 373.6 UdeM00000014885 XP_041379368.1 52.9
342 156 4 10 348 10 349 2.70E-100 373.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000014886 1735272 367.9 UdeM00000014886 XP_041379368.1 53.9
330 147 4 10 336 10 337 1.40E-98 367.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000014887 6579 76.3 UdeM00000014887 XP_033750644.1 36.6 112
50 2 17 107 24 135 2.70E-11 76.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000014888 1735272 278.5 UdeM00000014888 XP_041379368.1 51.9
260 122 3 25 284 90 346 1.00E-71 278.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000014889 48498 194.1 UdeM00000014889 XP_020620340.1 42.3 222
123 3 30 249 797 1015 2.10E-46 194.1 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000014890 1735272 377.1 UdeM00000014890 XP_041379368.1 54.7
340 139 5 341 667 11 348 4.70E-101 377.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000014891 7739 204.9 UdeM00000014891 XP_035698644.1 44.8 230
117 5 46 270 121 345 1.30E-49 204.9 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000014892 7741 181.4 UdeM00000014892 XP_019633261.1 41.2 228
124 4 3 222 44 269 1.30E-42 181.4 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000014893 7574 174.1 UdeM00000014893 XP_013389395.1 44.1 222
115 6 2 219 749 965 2.10E-40 174.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000014894 1735272 367.5 UdeM00000014894 XP_041379368.1 52.6
342 157 4 146 484 10 349 2.70E-98 367.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000014895 1735272 361.3 UdeM00000014895 XP_041379368.1 53.6
330 148 4 111 437 10 337 1.70E-96 361.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000014896 29159 1216.4 UdeM00000014896 XP_034307112.1 51.7
1181 520 14 1 1136 142 1316 0.00E+00 1216.4
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000014897 6565 159.5 UdeM00000014897 XP_022328252.1 44.1 211
100 5 1 193 1105 1315 4.40E-36 159.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000014898 6596 191.8 UdeM00000014898 XP_045174625.1 60.3 151
59 1 31 180 226 376 7.50E-46 191.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014899 6596 191.8 UdeM00000014899 XP_045174625.1 61.5 148
 56 1 31 177 226 373 7.40E-46 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014900 7574 154.8 UdeM00000014900 XP_013416846.1 55.1 127
 57 0 33 159 18 144 9.80E-35 154.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000014901 10224 489.2 UdeM00000014901 XP_002733515.1 39.9 735
 391 19 91 801 15 722 1.00E-134 489.2 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000014902 10224 489.2 UdeM00000014902 XP_002733515.1 39.9 735
 391 19 99 809 15 722 1.00E-134 489.2 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000014904 10224 368.6 UdeM00000014904 XP_002733515.1 36.2 624
 325 15 29 591 15 626 1.50E-98 368.6 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000014903 10224 471.5 UdeM00000014903 XP_002733515.1 38.9 722
 366 17 29 688 15 723 1.90E-129 471.5 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000014905 1735272 364.4 UdeM00000014905 XP_041379368.1 52.8
 339 155 4 24 359 10 346 1.80E-97 364.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014906 151771 155.2 UdeM00000014906 XP_028399681.1 33.9
 239 127 3 6 213 479 717 9.50E-35 155.2 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000014907 1735272 379 UdeM00000014907 XP_041379368.1 55
 340 138 5 367 693 11 348 1.30E-101 379 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014908 7739 201.1 UdeM00000014908 XP_035698644.1 41.2 262
 138 7 145 397 87 341 2.80E-48 201.1 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000014909 7741 181 UdeM00000014909 XP_019633261.1 40.8 228
125 4 3 222 44 269 1.60E-42 181 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000014910 7574 173.3 UdeM00000014910 XP_013390464.1 46.4 194
97 5 8 196 795 986 3.20E-40 173.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000014911 1735272 367.9 UdeM00000014911 XP_041379368.1 52.6
342 157 4 146 484 10 349 2.10E-98 367.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014912 1735272 361.7 UdeM00000014912 XP_041379368.1 53.6
330 148 4 111 437 10 337 1.30E-96 361.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000014913 29159 122.1 UdeM00000014913 XP_034300429.1 56.8 111
45 2 18 126 9 118 5.10E-25 122.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014914 6596 338.6 UdeM00000014914 XP_045174625.1 65.3 245
83 2 31 274 226 469 7.70E-90 338.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014915 6579 383.3 UdeM00000014915 XP_033737212.1 69.5 266
75 2 1 260 283 548 2.50E-103 383.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014916 6596 401 UdeM00000014916 XP_045157837.1 38.6 718
357 16 10 705 17 672 4.00E-108 401 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014917 6596 281.6 UdeM00000014917 XP_045188814.1 45.5 312
166 4 1 309 41 351 1.30E-72 281.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014918 6526 358.6 UdeM00000014918 XP_013061033.1 56.6 316
129 4 16 331 33 340 8.60E-96 358.6 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000014919 6596 85.5 UdeM00000014919 XP_045208672.1 31.8 157
99 4 1 155 1 151 6.60E-14 85.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014920 6596 345.9 UdeM00000014920 XP_045160441.1 29.2 870
537 18 4 824 191 1030 1.40E-91 345.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014921 6596 414.5 UdeM00000014921 XP_045160441.1 29.5 1017
644 20 18 989 42 1030 3.90E-112 414.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014922 6596 336.7 UdeM00000014922 XP_045160441.1 29.1 866
520 19 4 801 191 1030 8.40E-89 336.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014923 29159 76.3 UdeM00000014923 XP_019923079.2 31.3 115
72 2 1 112 41 151 2.90E-11 76.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014925 310571 77.8 UdeM00000014925 XP_033493961.1 35.8
109 61 4 9 116 64 164 1.10E-11 77.8 310571
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Eupercaria;Perciformes;Serranidae;Serranidae;Epinephelinae;Epinephelini;Epinephelus;Epinephelus lanceolatus

UdeM00000014926 6565 60.5 UdeM00000014926 XP_022293077.1 34.3 99
58 2 2 100 57 148 1.50E-06 60.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014928 37621 133.7 UdeM00000014928 XP_014678940.1 40 185
87 2 3 163 771 955 2.40E-28 133.7 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulidae;Priapulidae caudatus

UdeM00000014929 38358 70.9 UdeM00000014929 XP_037048502.1 37.5 104
 59 3 1 103 74 172 1.10E-09 70.9 38358 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Bibion
 omorpha;Sciaroidea;Sciaridae;Bradysia;Bradysia coprophila
 UdeM00000014930 6596 106.3 UdeM00000014930 XP_045209235.1 39.5 152
 83 7 5 153 21 166 3.50E-20 106.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014931 6573 88.2 UdeM00000014931 XP_021367867.1 35.4 113
 69 4 3 114 51 160 7.90E-15 88.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014932 6573 107.1 UdeM00000014932 XP_021367867.1 32.1 159
 100 5 4 157 5 160 2.20E-20 107.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014933 37653 275 UdeM00000014933 XP_014786603.1 43.5 306
 160 2 19 322 56 350 1.20E-70 275 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000014935 400727 660.2 UdeM00000014935 XP_025109825.1 67.5
 483 145 3 18 488 20 502 2.10E-186 660.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000014936 6596 95.9 UdeM00000014936 XP_045160441.1 32.7 153
 97 4 23 174 69 216 6.50E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014937 6596 284.3 UdeM00000014937 XP_045160441.1 28.8 736
 476 18 1 712 317 1028 4.40E-73 284.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014938 6596 211.8 UdeM00000014938 XP_045160441.1 27.8 608
 392 17 6 590 445 1028 2.30E-51 211.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014939 6596 302.4 UdeM00000014939 XP_045160997.1 38.9 401
 239 5 1 397 38 436 2.80E-78 302.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014941 6596 213.8 UdeM00000014941 XP_045160146.1 46.4 323
121 9 13 317 308 596 3.30E-52 213.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014940 6596 214.2 UdeM00000014940 XP_045160146.1 46.1 330
126 9 138 449 301 596 3.50E-52 214.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014942 6596 581.3 UdeM00000014942 XP_045160145.1 90.3 308
30 0 1 308 1 308 7.50E-163 581.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014943 6596 133.3 UdeM00000014943 XP_045157214.1 41.8 153
82 1 15 167 16 161 3.00E-28 133.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014945 6573 111.7 UdeM00000014945 XP_021351868.1 47 115
61 0 1 115 36 150 6.30E-22 111.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014946 29159 328.9 UdeM00000014946 XP_011437089.2 68.3 537
164 2 1 536 1 532 1.30E-86 328.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014947 225164 218.4 UdeM00000014947 XP_009060999.1 64.4
163 51 2 2 163 1 157 7.10E-54 218.4 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000014948 6596 1092.4 UdeM00000014948 XP_045160177.1 67.6
806 223 9 1 793 1 781 0.00E+00 1092.4 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014949 37621 61.2 UdeM00000014949 XP_014670836.1 49.2 63
29 2 460 519 751 813 4.40E-06 61.2 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000014951 2652724 132.5 UdeM00000014951 XP_020915646.1 46.9
143 75 1 42 184 3 144 5.50E-28 132.5 2652724
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Actiniaria; Aiptasiidae; Exaiptasia; Exaiptasia diaphana

UdeM00000014952 6596 153.7 UdeM00000014952 XP_045187052.1 54.9 144
60 3 1 143 198 337 2.00E-34 153.7 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000014958 6596 1498 UdeM00000014958 XP_045159227.1 42.1 2046
1042 35 3 1988 447 2409 0.00E+00 1498 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000014960 6596 1522.3 UdeM00000014960 XP_045159227.1 42.5
2059 1046 36 3 2009 447 2419 0.00E+00 1522.3 6596
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000014962 6596 1072.4 UdeM00000014962 XP_045159227.1 38.1
1725 952 30 1 1668 445 2110 5.7e-310 1072.4 6596
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000014963 6596 375.6 UdeM00000014963 XP_045159231.1 61.4 298
97 4 1 295 778 1060 6.00E-101 375.6 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000014964 6596 1418.7 UdeM00000014964 XP_045159227.1 41.5
2023 999 37 456 2422 513 2407 0.00E+00 1418.7 6596
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000014965 6596 255 UdeM00000014965 XP_045160186.1 52.7 262
72 5 51 278 3 246 1.10E-64 255 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000014968 6596 1529.2 UdeM00000014968 XP_045159227.1 41.1
2186 1118 35 149 2258 321 2412 0.00E+00 1529.2 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014967	6596	1529.2	UdeM00000014967	XP_045159227.1	41.1				
2186	1118	35	167	2276	321	2412	0.00E+00	1529.2	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014969	6596	1523.1	UdeM00000014969	XP_045159227.1	41				
2163	1140	37	146	2239	312	2407	0.00E+00	1523.1	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014972	6579	91.7	UdeM00000014972	XP_033727362.1	30.2	242			
141	6	83	321	6	222	2.60E-15	91.7	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014970	6579	92.4	UdeM00000014970	XP_033727362.1	30.2	242			
141	6	83	321	6	222	1.50E-15	92.4	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014971	6579	99	UdeM00000014971	XP_033727362.1	31.1	235			
141	5	83	314	6	222	1.60E-17	99	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014973	6596	1210.3	UdeM00000014973	XP_045159227.1	40				
1732	937	32	406	2084	735	2417	0.00E+00	1210.3	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014974	6596	1210.3	UdeM00000014974	XP_045159227.1	40				
1732	937	32	405	2083	735	2417	0.00E+00	1210.3	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000014975	6596	1210.3	UdeM00000014975	XP_045159227.1	40				
1732	937	32	47	1725	735	2417	0.00E+00	1210.3	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014976 6596 657.5 UdeM00000014976 XP_045159227.1 45.1 792
 389 14 1 766 1637 2408 2.00E-185 657.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014978 6596 257.3 UdeM00000014978 XP_045159227.1 38.5 384
 212 7 470 837 754 1129 6.80E-65 257.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014979 6573 225.3 UdeM00000014979 XP_021341058.1 38.2 408
 189 15 31 426 684 1040 3.60E-55 225.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014981 29159 88.2 UdeM00000014981 XP_034307861.1 61.3 62
 24 0 137 198 109 170 1.40E-14 88.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014982 6565 90.9 UdeM00000014982 XP_022288562.1 47.4 97
 51 0 1 97 73 169 9.80E-16 90.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014983 29159 85.9 UdeM00000014983 XP_034307861.1 59.7 62
 25 0 137 198 109 170 6.80E-14 85.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014984 29159 85.5 UdeM00000014984 XP_034307861.1 59.7 62
 25 0 39 100 109 170 4.70E-14 85.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014985 6565 88.2 UdeM00000014985 XP_022288562.1 46.4 97
 52 0 1 97 73 169 6.30E-15 88.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014986 10224 70.1 UdeM00000014986 XP_006819375.1 48.8 80
 41 0 1 80 342 421 1.50E-09 70.1 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000014987 6573 269.6 UdeM00000014987 XP_021341058.1 37.1 501
 239 17 33 514 612 1055 2.00E-68 269.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014988 6573 269.6 UdeM00000014988 XP_021341058.1 37.1 501
 239 17 33 514 612 1055 2.00E-68 269.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014989 6596 243.4 UdeM00000014989 XP_045157449.1 36.3 644
 296 27 21 598 12 607 8.20E-61 243.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014990 29159 178.7 UdeM00000014990 XP_034312908.1 26.3 651
 313 19 5 523 6 621 1.90E-41 178.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014991 1735272 70.5 UdeM00000014991 XP_041357166.1 48.9
 88 39 2 6 89 3 88 2.80E-09 70.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014993 6573 219.9 UdeM00000014993 XP_021341071.1 46.6 320
 125 11 2 316 19 297 4.50E-54 219.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000014994 6579 97.4 UdeM00000014994 XP_033746854.1 22.1 412
 290 8 61 449 18 421 6.30E-17 97.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000014995 1735272 124.4 UdeM00000014995 XP_041360711.1 34.7
 196 115 3 5 198 6 190 1.80E-25 124.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014996 6565 143.7 UdeM00000014996 XP_022326764.1 24.9 433
 302 9 10 426 17 442 8.70E-31 143.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014997 7739 72 UdeM00000014997 XP_035659254.1 36.5 126
 71 5 6 125 37 159 6.20E-10 72 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000014998 6565 92.4 UdeM00000014998 XP_022326764.1 48.2 85
 42 1 10 94 17 99 3.70E-16 92.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015001 7574 69.3 UdeM00000015001 XP_013388573.1 43.4 76
 41 1 95 170 349 422 5.30E-09 69.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000015002 6565 137.5 UdeM00000015002 XP_022326764.1 24.5 433
 304 9 10 426 17 442 6.20E-29 137.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015003 29159 164.5 UdeM00000015003 XP_011422172.2 21.9 643
 445 19 8 601 13 647 4.40E-37 164.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015004 6573 576.6 UdeM00000015004 XP_021366074.1 60.3 481
 176 4 1 481 1 466 2.90E-161 576.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015005 6596 90.9 UdeM00000015005 XP_045160466.1 42.7 131
 67 2 3 128 7 134 1.60E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015006 29159 111.7 UdeM00000015006 XP_011425163.2 27.4 212
 147 3 31 242 68 272 1.40E-21 111.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015007 6573 585.5 UdeM00000015007 XP_021356753.1 43.2 674
 361 9 5 668 259 920 8.60E-164 585.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015008 6573 393.7 UdeM00000015008 XP_021356752.1 53.5 501
 134 16 1 460 1 443 3.30E-106 393.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015009 225164 84 UdeM00000015009 XP_009058199.1 48.1
 81 37 1 1 81 1 76 1.00E-13 84 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000015010 6596 111.3 UdeM00000015010 XP_045188640.1 42.7 131
 63 3 6 130 67 191 9.70E-22 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015011 6573 86.7 UdeM00000015011 XP_021367843.1 62.7 67
 24 1 128 193 465 531 3.70E-14 86.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015012 1250792 177.9 UdeM00000015012 XP_041860347.1 57.7
 130 55 0 4 133 219 348 1.00E-41 177.9 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
 eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani
 UdeM00000015013 6573 103.2 UdeM00000015013 XP_021378874.1 26.5 275
 153 7 377 634 109 351 1.20E-18 103.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015014 6579 239.6 UdeM00000015014 XP_033737683.1 62.1 203
 76 1 3 204 1202 1404 3.60E-60 239.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015015 6579 227.6 UdeM00000015015 XP_033737683.1 56.5 223
 76 2 3 224 1202 1404 1.50E-56 227.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015016 400727 303.9 UdeM00000015016 XP_025108466.1 45.6
 349 182 4 7 353 26 368 2.80E-79 303.9 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000015017 6579 1616.3 UdeM00000015017 XP_033737683.1 65.5
 1216 392 11 1 1204 1 1200 0.00E+00 1616.3 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015018 6596 251.5 UdeM00000015018 XP_045157195.1 72.5 178
 43 1 3 174 5 182 7.70E-64 251.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015019 6596 240.7 UdeM00000015019 XP_045157718.1 46.2 344
 148 10 40 361 1566 1894 3.00E-60 240.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015020 6579 441 UdeM00000015020 XP_033738064.1 44.7 646
 290 17 1 627 819 1416 2.50E-120 441 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015021 6596 965.3 UdeM00000015021 XP_045157718.1 61.2 796
 246 3 1 733 1 796 4.40E-278 965.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015022 6573 484.6 UdeM00000015022 XP_021343624.1 67.8 311
 100 0 1 311 1 311 9.60E-134 484.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015023 6596 660.6 UdeM00000015023 XP_045159939.1 69 491
 135 5 39 524 7 485 1.70E-186 660.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015024 6596 339.7 UdeM00000015024 XP_045157707.1 50.8 303
 144 2 19 316 7 309 3.90E-90 339.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015026 1735272 500.4 UdeM00000015026 XP_041358222.1 54.4
 447 187 4 10 444 19 460 2.40E-138 500.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015027 1735272 301.6 UdeM00000015027 XP_041358222.1 54.9
 268 111 2 1 258 170 437 9.60E-79 301.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015028 6596 154.5 UdeM00000015028 XP_045157714.1 27.7 711
 349 24 16 616 49 704 4.50E-34 154.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015029 6596 149.4 UdeM00000015029 XP_045157714.1 27.7 712
 349 25 16 617 49 704 1.50E-32 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015030 6596 446.4 UdeM00000015030 XP_045159956.1 24.8 1896
 1067 51 1 1628 1 1805 1.50E-121 446.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015031 6526 223.8 UdeM00000015031 XP_013086602.1 69.4 160
46 1 5 164 7 163 1.60E-55 223.8 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000015034 6596 273.9 UdeM00000015034 XP_045160049.1 97.1 139
4 0 1 139 1 139 1.20E-70 273.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015033 6596 709.9 UdeM00000015033 XP_045160049.1 97.2 351
10 0 1 351 1 351 1.60E-201 709.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015035 6596 689.9 UdeM00000015035 XP_045160049.1 87 392
10 1 1 392 1 351 1.90E-195 689.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015036 6500 66.6 UdeM00000015036 XP_035828272.1 48.5 68
33 2 48 114 40 106 2.30E-08 66.6 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000015037 7668 122.5 UdeM00000015037 XP_030832292.1 33 224
129 5 2 224 257 460 9.00E-25 122.5 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000015039 6596 1474.9 UdeM00000015039 XP_045160051.1 73
979 242 5 7 974 1535 2502 0.00E+00 1474.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015038 6596 1930.2 UdeM00000015038 XP_045160051.1 72.5
1311 336 7 21 1319 1204 2502 0.00E+00 1930.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015040 6596 462.2 UdeM00000015040 XP_045160051.1 71.2 333
 94 2 21 352 1204 1535 8.90E-127 462.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015041 6596 855.5 UdeM00000015041 XP_045160051.1 73.9 590
 145 5 15 598 618 1204 4.00E-245 855.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015042 6596 750.7 UdeM00000015042 XP_045160051.1 62.5 658
 165 11 1 583 1 651 1.40E-213 750.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015043 6596 750.4 UdeM00000015043 XP_045160051.1 62.3 657
 167 10 1 582 1 651 1.80E-213 750.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015044 6596 236.9 UdeM00000015044 XP_045157466.1 34.2 383
 114 6 7 252 22 403 2.80E-59 236.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015045 6565 159.1 UdeM00000015045 XP_022328252.1 44.5 211
 99 5 1 193 1105 1315 5.80E-36 159.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015046 88015 146 UdeM00000015046 XP_023331622.1 81.5 81
 15 0 1 81 1 81 2.10E-32 146 88015 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Gymnoplea;Calanoida;Temorida
 e;Eurytemora;Eurytemora affinis
 UdeM00000015047 88015 149.4 UdeM00000015047 XP_023343883.1 80.7 83
 16 0 1 83 1 83 2.00E-33 149.4 88015 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Gymnoplea;Calanoida;Temorida
 e;Eurytemora;Eurytemora affinis
 UdeM00000015048 7739 188 UdeM00000015048 XP_035680064.1 70.1 134
 40 0 1 134 1 134 8.10E-45 188 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000015049 6596 699.5 UdeM00000015049 XP_045157725.1 42.9 916
 462 14 2 902 17 886 5.50E-198 699.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015051 13686 212.2 UdeM00000015051 XP_011170408.3 40.6 293
169 3 2 291 586 876 8.70E-52 212.2 13686 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsis invicta

UdeM00000015052 6596 962.6 UdeM00000015052 XP_045157289.1 49.8 1361
391 35 1 1287 1 1143 5.60E-277 962.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015054 6596 499.6 UdeM00000015054 XP_045157358.1 59.5 415
153 5 1 406 840 1248 3.80E-138 499.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015053 6596 511.5 UdeM00000015053 XP_045157358.1 60 422
154 5 1 413 833 1248 9.80E-142 511.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015056 6565 225.3 UdeM00000015056 XP_022286598.1 44 323
133 9 1 293 1 305 9.90E-56 225.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015055 6565 369.4 UdeM00000015055 XP_022320668.1 32.9 809
287 14 11 586 5 790 8.90E-99 369.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015057 6565 228.8 UdeM00000015057 XP_022320668.1 40.4 327
78 1 1 210 464 790 7.30E-57 228.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015058 6579 797.3 UdeM00000015058 XP_033738232.1 48.5 859
405 13 1 840 27 867 1.90E-227 797.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015059 6565 139.4 UdeM00000015059 XP_022328252.1 45.1 173
87 3 1 165 1105 1277 4.20E-30 139.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015062 6596 111.3 UdeM00000015062 XP_045160251.1 34.6 214
 102 5 5 185 703 911 1.70E-21 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015063 6596 577.4 UdeM00000015063 XP_045160259.1 51.1 597
 253 5 1 587 1 568 2.10E-161 577.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015064 6573 365.9 UdeM00000015064 XP_021378852.1 72.8 228
 62 0 1 228 1 228 3.70E-98 365.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015065 6579 362.5 UdeM00000015065 XP_033737816.1 32.1 711
 433 10 1 666 1 706 1.30E-96 362.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015066 6596 853.2 UdeM00000015066 XP_045159402.1 76.1 553
 121 4 1 552 1 543 1.80E-244 853.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015067 29159 417.5 UdeM00000015067 XP_011413995.2 51.9 378
 176 5 26 403 23 394 2.10E-113 417.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015068 6596 408.3 UdeM00000015068 XP_045157093.1 46.4 468
 192 7 13 475 11 424 1.40E-110 408.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015069 225164 140.6 UdeM00000015069 XP_009058199.1 54.5
 134 54 2 1 134 1 127 1.50E-30 140.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000015071 6579 390.2 UdeM00000015071 XP_033752673.1 65.7 277
 95 0 13 289 376 652 2.30E-105 390.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015072 7604 453.4 UdeM00000015072 XP_033641066.1 56.1 378
 165 1 4 380 3 380 3.00E-124 453.4 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteriidae;Asterias;Asterias rubens
 UdeM00000015073 6579 85.9 UdeM00000015073 XP_033737198.1 38.2 110
 61 2 20 123 14 122 4.30E-14 85.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015074 8407 185.3 UdeM00000015074 XP_040211420.1 42 238
 134 2 36 271 570 805 1.10E-43 185.3 8407 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Ranoidea;Ranidae;Rana;Rana;Rana temporaria
 UdeM00000015075 6573 403.7 UdeM00000015075 XP_021350898.1 54 372
 155 7 567 929 338 702 6.60E-109 403.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015076 6573 145.2 UdeM00000015076 XP_021350896.1 54.3 129
 54 2 567 690 338 466 3.10E-31 145.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015077 6573 462.6 UdeM00000015077 XP_021358642.1 27.8 1358
 842 38 12 1294 1 1294 1.70E-126 462.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015079 6573 79.7 UdeM00000015079 XP_021339969.1 24.2 372
 229 15 29 366 900 1252 9.00E-12 79.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015080 29159 260 UdeM00000015080 XP_034316161.1 44.3 291
 161 1 1 290 718 1008 3.60E-66 260 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015081 6596 268.9 UdeM00000015081 XP_045160699.1 71.7 173
 49 0 8 180 1003 1175 4.80E-69 268.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015082 6565 139 UdeM00000015082 XP_022316963.1 34.4 279
 158 8 9 280 615 875 9.00E-30 139 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015083 6596 304.3 UdeM00000015083 XP_045160699.1 32.2 839
 387 18 39 715 31 849 4.10E-79 304.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015084 29159 1057 UdeM00000015084 XP_011446082.2 79.9 658
 129 3 1 655 1 658 9.90E-306 1057 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015085 2652724 60.5 UdeM00000015085 XP_028512982.1 53.7
 41 19 0 56 96 887 927 1.50E-06 60.5 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000015086 6596 188.3 UdeM00000015086 XP_045160465.1 49.8 247
 99 8 5 239 6 239 1.10E-44 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015088 6596 193.4 UdeM00000015088 XP_045160466.1 53.6 222
 82 4 16 236 15 216 3.40E-46 193.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015090 6596 222.2 UdeM00000015090 XP_045158930.1 42.5 301
 145 6 23 310 30 315 9.10E-55 222.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015092 6596 481.9 UdeM00000015092 XP_045158529.1 52.3 482
 218 5 10 489 8 479 9.80E-133 481.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015093 6596 453.4 UdeM00000015093 XP_045158721.1 72.3 300
 83 0 11 310 7 306 2.40E-124 453.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015094 6565 219.2 UdeM00000015094 XP_022314242.1 40.1 659
 330 18 55 679 1203 1830 1.70E-53 219.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015095 6596 173.3 UdeM00000015095 XP_045158530.1 32.1 604
 311 25 283 829 259 820 1.30E-39 173.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015096 6596 170.6 UdeM00000015096 XP_045160769.1 48.2 222
 85 5 33 237 238 446 2.40E-39 170.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015097 6596 89 UdeM00000015097 XP_045160769.1 78 50
 11 0 28 77 10 59 2.90E-15 89 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015099 6565 277.3 UdeM00000015099 XP_022286943.1 53.1 254
 101 3 2 243 77 324 1.90E-71 277.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015100 29159 198 UdeM00000015100 XP_034311711.1 51.1 188
 89 3 1 185 1 188 1.10E-47 198 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015101 6579 203.4 UdeM00000015101 XP_033738981.1 56.8 155
 61 2 148 297 107 260 4.10E-49 203.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015102 6579 233 UdeM00000015102 XP_033738981.1 56.1 180
 73 2 132 306 82 260 5.00E-58 233 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015103 6596 736.1 UdeM00000015103 XP_045160528.1 72.9 532
 141 1 1 529 1 532 3.10E-209 736.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015104 1735272 488.8 UdeM00000015104 XP_041358382.1 80.1
 312 62 0 9 320 18 329 5.30E-135 488.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015105 1735272 226.1 UdeM00000015105 XP_041358380.1 73.4
 177 47 0 9 185 18 194 3.80E-56 226.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015106 6596 120.6 UdeM00000015106 XP_045161009.1 33.6 286
 125 5 8 229 129 413 2.70E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015107 6596 112.5 UdeM00000015107 XP_045161009.1 34.9 238
 109 3 6 198 177 413 6.40E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015109 6596 422.9 UdeM00000015109 XP_045160393.1 52.5 381
 181 0 18 398 10 390 4.50E-115 422.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015110 6596 417.9 UdeM00000015110 XP_045161008.1 49.7 390
 193 3 19 406 23 411 1.50E-113 417.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015111 1735272 907.1 UdeM00000015111 XP_041359629.1 62.3
 732 252 10 1 712 241 968 1.40E-260 907.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015112 27687 276.6 UdeM00000015112 XP_028659128.1 62.1 214
 79 1 2 215 64 275 2.80E-71 276.6 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
 thys calabaricus
 UdeM00000015113 6565 137.1 UdeM00000015113 XP_022345797.1 56.1 114
 49 1 109 221 16 129 2.80E-29 137.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015114 37621 65.1 UdeM00000015114 XP_014678447.1 29.7 145
 96 4 11 152 64 205 9.60E-08 65.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000015119 29159 223 UdeM00000015119 XP_034317111.1 57.3 178
 71 1 1 173 1 178 3.10E-55 223 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015121 6579 169.1 UdeM00000015121 XP_033737071.1 53.4 133
 62 0 12 144 9 141 4.50E-39 169.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015122 6596 220.3 UdeM00000015122 XP_045158310.1 80 135
 27 0 15 149 334 468 1.70E-54 220.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015123 6596 164.9 UdeM00000015123 XP_045158310.1 39.5 314
138 8 1 272 1 304 1.60E-37 164.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015124 6596 1151.7 UdeM00000015124 XP_045158306.1 86.9
632 76 3 1 628 1 629 0.00E+00 1151.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015125 6596 685.6 UdeM00000015125 XP_045158306.1 89.7 379
35 1 1 375 632 1010 3.40E-194 685.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015126 6526 394.4 UdeM00000015126 XP_013083928.1 80.9 340
48 1 25 364 60 382 1.60E-106 394.4 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Planorbata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000015127 29159 425.6 UdeM00000015127 XP_011429265.1 63.3 319
113 2 8 323 110 427 5.50E-116 425.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015128 189513 95.9 UdeM00000015128 XP_044737889.1 32.1
184 120 3 245 427 109 288 1.80E-16 95.9 189513
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Neuropterida;Neoptera;Hemerobiiiformia;Chrysopidae;Chrysopinae;Chrysoperla;Chrysoperla carnea

UdeM00000015129 6596 133.7 UdeM00000015129 XP_045180427.1 40.9 274
120 5 1 233 1 273 3.30E-28 133.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015131 6565 60.8 UdeM00000015131 XP_022305768.1 46.3 54
29 0 84 137 7 60 2.00E-06 60.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015132 28377 85.5 UdeM00000015132 XP_003220754.1 50.7 73
35 1 155 226 179 251 9.90E-14 85.5 28377 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Iguania;Dacty
loidae;Anolis;Anolis carolinensis

UdeM00000015133 6573 246.9 UdeM00000015133 XP_021378082.1 66.9 175
58 0 7 181 30 204 3.60E-62 246.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015134 6579 542.7 UdeM00000015134 XP_033738649.1 58.6 454
173 4 22 463 1 451 4.50E-151 542.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015135 6596 226.9 UdeM00000015135 XP_045189070.1 33.3 481
236 13 2 401 1 477 4.70E-56 226.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015136 6579 657.9 UdeM00000015136 XP_033738649.1 66.7 472
149 3 1 472 1 464 9.80E-186 657.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015138 7574 170.6 UdeM00000015138 XP_013395993.1 50.3 167
76 3 168 328 238 403 3.50E-39 170.6 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000015139 6573 197.2 UdeM00000015139 XP_021378088.1 38.3 392
184 13 33 405 15 367 4.30E-47 197.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015141 400727 339.3 UdeM00000015141 XP_025111233.1 59.2
282 106 1 19 300 5 277 4.90E-90 339.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000015142 400727 546.2 UdeM00000015142 XP_025111406.1 62.9
448 150 4 9 443 61 505 3.80E-152 546.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000015143 6596 1101.3 UdeM00000015143 XP_045160463.1 78.5
687 146 1 1 687 1 685 0.00E+00 1101.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria
 a mercenaria
 UdeM00000015144 29159 191 UdeM00000015144 XP_034312721.1 72.8 136
 36 1 1 136 120 254 9.70E-46 191 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015145 6573 379.4 UdeM00000015145 XP_021362266.1 74.5 255
 64 1 1 255 1 254 3.60E-102 379.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015146 29159 758.1 UdeM00000015146 XP_011444815.1 98.1 376
 7 0 1 376 1 376 5.50E-216 758.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015147 6565 74.7 UdeM00000015147 XP_022287659.1 45.3 86
 39 2 14 92 147 231 9.40E-11 74.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015148 7668 149.4 UdeM00000015148 XP_003729577.2 58.9 107
 44 0 9 115 712 818 3.10E-33 149.4 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000015149 72105 701.8 UdeM00000015149 XP_037633840.1 91.2 374
 33 0 4 377 2 375 4.70E-199 701.8 72105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Scorpaen
 oidei;Sebastidae;Sebastinae;Sebastes;Sebastes umbrosus
 UdeM00000015150 6565 572.4 UdeM00000015150 XP_022325998.1 86.7 332
 17 1 1 305 45 376 3.50E-160 572.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015151 37621 400.6 UdeM00000015151 XP_014672567.1 45.8 421
 212 5 1 408 101 518 2.70E-108 400.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000015152 37621 106.3 UdeM00000015152 XP_014672570.1 64.9 74
 26 0 3 76 47 120 1.80E-20 106.3 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000015153 45351 754.6 UdeM00000015153 XP_001621292.2 98.1 374
 7 0 4 377 3 376 6.10E-215 754.6 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
UdeM00000015154 6573 344.7 UdeM00000015154 XP_021364592.1 51.3 347
161 4 1 339 131 477 1.30E-91 344.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015155 6596 137.9 UdeM00000015155 XP_045157283.1 62.1 103
39 0 1 103 486 588 7.40E-30 137.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015156 6596 599.7 UdeM00000015156 XP_045160659.1 52.8 580
270 3 11 587 10 588 3.90E-168 599.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015157 6596 591.7 UdeM00000015157 XP_045160659.1 51.6 579
278 1 11 587 10 588 1.10E-165 591.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015158 6239 756.9 UdeM00000015158 NP_001370033.1 97.9 376
8 0 1 376 1 376 1.20E-215 756.9 6239 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Rhabditina;Rhabditomorpha;Rhabd
itoidea;Rhabditidae;Peloderinae;Caenorhabditis;Caenorhabditis elegans
UdeM00000015160 50390 308.9 UdeM00000015160 XP_028154228.1 61.6 203
78 0 1 203 430 632 4.80E-81 308.9 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera
UdeM00000015161 6579 225.7 UdeM00000015161 XP_033737173.1 43.3 252
143 0 78 329 24 275 1.00E-55 225.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000015162 29159 187.2 UdeM00000015162 XP_034314559.1 43.8 242
98 4 96 303 34 271 3.60E-44 187.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000015163 6565 194.9 UdeM00000015163 XP_022319115.1 42.4 255
109 4 10 230 21 271 1.40E-46 194.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015164 6579 223.8 UdeM00000015164 XP_033737173.1 43.3 252
 143 0 59 310 24 275 3.60E-55 223.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015165 6573 251.9 UdeM00000015165 XP_021360451.1 44.1 290
 134 5 17 294 30 303 1.10E-63 251.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015169 1529436 262.7 UdeM00000015169 XP_033103324.1 38.9
 393 203 11 24 408 4 367 1.30E-66 262.7 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000015170 6596 900.2 UdeM00000015170 XP_045209208.1 35.9 1623
 834 37 6 1492 1202 2754 3.80E-258 900.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015172 400727 659.4 UdeM00000015172 XP_025110416.1 61.4
 484 181 1 17 494 13 496 3.70E-186 659.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000015173 6596 702.2 UdeM00000015173 XP_045159805.1 36.1 1188
 696 25 99 1238 58 1230 1.20E-198 702.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015174 6579 196.4 UdeM00000015174 XP_033738514.1 43.6 202
 113 1 69 270 74 274 5.40E-47 196.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015175 6596 229.6 UdeM00000015175 XP_045165694.1 65.1 166
 39 1 1 147 138 303 2.70E-57 229.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015176 6596 128.3 UdeM00000015176 XP_045165694.1 65.6 96
 33 0 6 101 3 98 5.70E-27 128.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015177 6579 193.7 UdeM00000015177 XP_033738514.1 43.7 199
 111 1 52 250 74 271 3.30E-46 193.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000015178 6596 429.5 UdeM00000015178 XP_045165694.1 69 303
92 1 6 308 3 303 3.70E-117 429.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000015179 6573 318.5 UdeM00000015179 XP_021359594.1 60 455
146 12 1 428 1 446 1.30E-83 318.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000015180 6565 94.7 UdeM00000015180 XP_022313566.1 55.1 78
34 1 1 78 36 112 1.10E-16 94.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000015181 400727 141.4 UdeM00000015181 XP_025111142.1 68.8
93 28 1 9 101 11 102 1.20E-30 141.4 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000015182 6565 775 UdeM00000015182 XP_022319867.1 64.5 650
165 6 128 768 126 718 8.80E-221 775 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000015183 6573 461.5 UdeM00000015183 XP_021379039.1 42.7 707
282 20 88 772 2 607 2.20E-126 461.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000015184 591936 607.4 UdeM00000015184 XP_023073333.1 79.2
375 76 2 3 376 2 375 1.20E-170 607.4 591936
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Mammalia; Theria; Eutheria; Boreoeutheria; Euarchontoglires; Primates; Haplorrhini; Simiiformes; Catarrhini; Cercopithecoidea; Cercopithecidae; Colobinae; Piliocolobus; Piliocolobus tephrosceles
UdeM00000015185 6596 355.1 UdeM00000015185 XP_045157642.1 82.7 196
34 0 69 264 19 214 7.50E-95 355.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000015186 6596 159.5 UdeM00000015186 XP_045157642.1 86.9 84
11 0 69 152 19 102 3.50E-36 159.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015187 6596 94.4 UdeM00000015187 XP_045200973.1 26.7 258
 135 8 136 391 303 508 3.80E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015188 6596 166.4 UdeM00000015188 XP_045200973.1 23.6 516
 331 9 284 792 303 762 1.50E-37 166.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015189 6596 166.4 UdeM00000015189 XP_045200973.1 23.6 516
 331 9 284 792 303 762 1.50E-37 166.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015190 6596 80.5 UdeM00000015190 XP_045206702.1 30.7 150
 104 0 3 152 593 742 2.40E-12 80.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015192 6596 166.8 UdeM00000015192 XP_045193560.1 25 784
 450 26 18 752 33 727 1.10E-37 166.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015193 6596 83.2 UdeM00000015193 XP_045181029.1 29.2 144
 100 2 3 145 598 740 3.70E-13 83.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015194 6596 106.7 UdeM00000015194 XP_045194410.1 26.1 486
 319 12 11 472 12 481 8.50E-20 106.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015195 6596 86.3 UdeM00000015195 XP_045181029.1 29.9 144
 99 2 3 145 598 740 4.40E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015197 6596 71.6 UdeM00000015197 XP_045194411.1 24.6 422
 255 14 6 390 20 415 2.50E-09 71.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015196 6596 72.4 UdeM00000015196 XP_045194411.1 25.1 435
 257 15 4 395 7 415 1.50E-09 72.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015199 29159 756.9 UdeM00000015199 XP_034314726.1 98.1 376
 7 0 1 376 1 376 1.20E-215 756.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015200 6412 745 UdeM00000015200 XP_009025437.1 96 376
 15 0 1 376 1 376 4.80E-212 745 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisiphoniidae;Helobdella;Helobdella robusta
 UdeM00000015201 8153 135.2 UdeM00000015201 XP_042079790.1 91.2 68
 6 0 1 68 305 372 3.20E-29 135.2 8153 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African
 cichlids;Pseudocrenilabrinae;Haplochromini;Haplochromis;Haplochromis
 burtoni
 UdeM00000015202 29159 98.2 UdeM00000015202 XP_019926412.2 48.9 88
 45 0 67 154 2 89 9.70E-18 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015203 6412 570.9 UdeM00000015203 XP_009030330.1 95.2 291
 14 0 1 291 1 291 9.60E-160 570.9 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisiphoniidae;Helobdella;Helobdella robusta
 UdeM00000015204 9337 144.4 UdeM00000015204 XP_036599390.1 91.5 71
 6 0 1 71 305 375 5.50E-32 144.4 9337 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metather
 ia;Diprotodontia;Phalangeridae;Trichosurus;Trichosurus vulpecula
 UdeM00000015205 29159 715.3 UdeM00000015205 XP_034314726.1 92.8 376
 27 0 1 376 1 376 4.10E-203 715.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015207 6596 227.6 UdeM00000015207 XP_045158674.1 81.1 143
 26 1 16 158 13 154 2.50E-56 227.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015206 6596 227.6 UdeM00000015206 XP_045158674.1 81.1 143
 26 1 17 159 13 154 2.50E-56 227.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015208 6596 300.4 UdeM00000015208 XP_045158680.1 65.9 246
 82 2 1 246 1 244 2.00E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015222 6596 859 UdeM00000015222 XP_045163574.1 66.8 633
 201 6 1 626 721 1351 3.80E-246 859 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015223 6565 1134.4 UdeM00000015223 XP_022345820.1 67.2
 800 253 5 6 802 4 797 0.00E+00 1134.4 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015224 29159 118.6 UdeM00000015224 XP_034322590.1 58.3 84
 35 0 1 84 14 97 3.80E-24 118.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015225 29159 118.6 UdeM00000015225 XP_034322590.1 58.3 84
 35 0 1 84 14 97 3.80E-24 118.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015226 29159 118.6 UdeM00000015226 XP_034322590.1 58.3 84
 35 0 1 84 14 97 3.80E-24 118.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015227 29159 118.6 UdeM00000015227 XP_034322590.1 58.3 84
 35 0 1 84 14 97 3.80E-24 118.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015228 29159 118.6 UdeM00000015228 XP_034322590.1 58.3 84
 35 0 1 84 14 97 3.80E-24 118.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015229 29159 130.6 UdeM00000015229 XP_034322590.1 58.2 91
 38 0 5 95 7 97 1.10E-27 130.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000015230 6596 71.2 UdeM00000015230 XP_045162778.1 50.8 59
26 2 41 97 30 87 9.00E-10 71.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015231 6596 151.4 UdeM00000015231 XP_045161405.1 33.7 258
165 2 3 258 20 273 1.60E-33 151.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015232 6596 540 UdeM00000015232 XP_045163539.1 35.1 1326
638 40 1 1244 1 1186 7.80E-150 540 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015233 543639 79.3 UdeM00000015233 XP_037572324.1 36.2
141 84 5 53 187 128 268 7.00E-12 79.3 543639
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Dermacentor;Dermacentor
silvarum
UdeM00000015234 6596 449.9 UdeM00000015234 XP_045162824.1 39 780
384 14 1 757 1 711 6.40E-123 449.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015235 400727 493.8 UdeM00000015235 XP_025084208.1 86.4
272 37 0 1 272 1 272 1.40E-136 493.8 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000015237 6596 973.4 UdeM00000015237 XP_045162765.1 76.3 628
95 6 1 607 1 595 1.30E-280 973.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015238 6596 159.8 UdeM00000015238 XP_045162826.1 39.8 324
140 9 1 311 1 282 5.50E-36 159.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015239 6500 714.9 UdeM00000015239 XP_012945013.1 71.6 504
138 3 24 523 69 571 7.80E-203 714.9 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000015242 6565 525 UdeM00000015242 XP_022308439.1 48.3 580
286 7 298 874 604 1172 1.90E-145 525 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000015244 29159 271.6 UdeM00000015244 XP_034339432.1 44.8 324
175 3 1 321 162 484 1.30E-69 271.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000015245 29159 102.4 UdeM00000015245 XP_034322504.1 45.9 122
54 4 3 124 2 111 8.10E-19 102.4 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000015246 6596 118.6 UdeM00000015246 XP_045176664.1 24.9 438
244 11 41 399 36 467 1.80E-23 118.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000015247 6596 106.7 UdeM00000015247 XP_045176664.1 36.7 199
104 8 14 201 380 567 3.60E-20 106.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000015248 6596 90.5 UdeM00000015248 XP_045176006.1 36.5 156
81 5 1 141 359 511 1.90E-15 90.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000015249 6579 63.9 UdeM00000015249 XP_033752062.1 30.6 111
77 0 48 158 57 167 3.10E-07 63.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000015250 6596 99.4 UdeM00000015250 XP_045176664.1 35.4 181
96 6 14 182 380 551 5.30E-18 99.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000015252 202533 184.9 UdeM00000015252 XP_035207656.1 42.3
215 111 3 26 227 95 309 1.20E-43 184.9 202533
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Araneae; Araneomo
rphae; Entelegynae; Eresoidea; Eresidae; Stegodyphus; Stegodyphus dumicola

UdeM00000015253 6596 129 UdeM00000015253 XP_045176094.1 44.8 154
76 3 131 278 83 233 9.40E-27 129 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015254 6596 69.7 UdeM00000015254 XP_045177372.1 36.7 90
56 1 1 90 424 512 2.70E-09 69.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015255 6596 137.1 UdeM00000015255 XP_045176094.1 43 179
93 6 96 270 94 267 3.60E-29 137.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015256 6596 80.1 UdeM00000015256 XP_045176664.1 50.6 77
38 0 4 80 392 468 1.60E-12 80.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015257 6596 118.6 UdeM00000015257 XP_045177372.1 30.7 238
147 7 108 333 273 504 1.50E-23 118.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015258 6596 117.5 UdeM00000015258 XP_045181277.1 28.5 284
142 8 102 331 143 419 3.50E-23 117.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015259 6596 83.6 UdeM00000015259 XP_045215643.1 33.6 131
84 2 1 128 264 394 2.30E-13 83.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015260 6596 145.6 UdeM00000015260 XP_045215643.1 35.9 251
148 5 28 272 161 404 1.40E-31 145.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015261 6573 63.5 UdeM00000015261 XP_021358586.1 34.9 83
51 1 14 96 167 246 1.70E-07 63.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015262 6596 120.9 UdeM00000015262 XP_045177372.1 31.5 238
145 7 138 363 273 504 3.30E-24 120.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015263 29159 198.4 UdeM00000015263 XP_034334268.1 46.4 194
101 1 1 194 160 350 8.60E-48 198.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015264 29159 100.9 UdeM00000015264 XP_034307857.1 34.8 187
109 4 102 280 100 281 2.80E-18 100.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015265 6596 120.6 UdeM00000015265 XP_045176094.1 41.6 161
87 4 109 269 60 213 3.70E-24 120.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015266 7574 80.9 UdeM00000015266 XP_013388025.1 49.4 85
38 1 263 347 385 464 3.70E-12 80.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000015267 6596 200.7 UdeM00000015267 XP_045208216.1 68.1 160
48 1 1 160 1 157 1.40E-48 200.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015268 6596 401.4 UdeM00000015268 XP_045162819.1 34 720
279 10 25 743 200 724 2.60E-108 401.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015269 6596 153.7 UdeM00000015269 XP_045162819.1 56.8 125
54 0 1 125 789 913 1.60E-34 153.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015270 6573 927.9 UdeM00000015270 XP_021372897.1 43.2 1521
704 34 25 1445 15 1475 1.50E-266 927.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015271 52239 344.7 UdeM00000015271 XP_033946627.1 62.4 234
84 1 1 230 115 348 8.90E-92 344.7 52239 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorphaea;Percomorphaceae;Eupercaria;Perciformes;Notothenioidi;Channichthyidae;Pseudochaenichthys;Pseudochaenichthys georgianus

UdeM00000015272 6596 232.3 UdeM00000015272 XP_045166747.1 55.2 203
91 0 1 203 1 203 5.60E-58 232.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015273 6596 748.4 UdeM00000015273 XP_045162494.1 78.3 465
100 1 5 468 8 472 5.40E-213 748.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015274 6596 719.2 UdeM00000015274 XP_045162497.1 76 470
110 2 10 479 4 470 3.60E-204 719.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015275 6596 375.2 UdeM00000015275 XP_045177776.1 32.3 753
419 14 659 1360 386 1098 4.10E-100 375.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015276 6596 375.2 UdeM00000015276 XP_045177776.1 32.3 753
419 14 659 1360 386 1098 4.10E-100 375.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015277 6596 375.2 UdeM00000015277 XP_045177776.1 32.3 753
419 14 632 1333 386 1098 4.10E-100 375.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015278 6596 90.5 UdeM00000015278 XP_045189697.1 54.8 84
37 1 86 168 1202 1285 3.10E-15 90.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015280 6579 104.8 UdeM00000015280 XP_033761570.1 37.3 161
98 3 18 176 692 851 2.60E-19 104.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015281 6596 281.2 UdeM00000015281 XP_045177779.1 33.1 586
315 14 202 776 89 608 4.10E-72 281.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015282 37621 111.3 UdeM00000015282 XP_014672567.1 55 100
 36 2 3 93 368 467 1.00E-21 111.3 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus
 UdeM00000015283 1735272 250.8 UdeM00000015283 XP_041370702.1 44.6
 435 143 5 52 396 875 1301 3.00E-63 250.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015284 6596 249.6 UdeM00000015284 XP_045189699.1 42.3 459
 173 5 61 427 866 1324 7.40E-63 249.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015285 6596 123.2 UdeM00000015285 XP_045163049.1 60.8 79
 31 0 28 106 33 111 1.90E-25 123.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015286 6596 470.7 UdeM00000015286 XP_045163049.1 61.8 359
 137 0 5 363 111 469 1.70E-129 470.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015287 6596 141 UdeM00000015287 XP_045163032.1 58.1 117
 49 0 407 523 364 480 4.40E-30 141 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015288 6596 175.3 UdeM00000015288 XP_045163049.1 49.4 158
 69 2 1 158 480 626 6.80E-41 175.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015289 6596 362.1 UdeM00000015289 XP_045161097.1 40.6 446
 241 4 33 478 29 450 1.10E-96 362.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015290 6596 234.2 UdeM00000015290 XP_045189699.1 39.9 489
 194 7 61 450 866 1353 3.30E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015291 6565 194.5 UdeM00000015291 XP_022345679.1 44.4 232
 126 1 1 229 91 322 1.80E-46 194.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015292 6579 272.3 UdeM00000015292 XP_033724717.1 44.2 339
 179 4 34 366 38 372 9.90E-70 272.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015293 6596 184.9 UdeM00000015293 XP_045178436.1 33.7 341
 197 5 234 572 5 318 3.00E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015294 6596 232.6 UdeM00000015294 XP_045163056.1 46.6 356
 147 12 16 360 15 338 7.60E-58 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015295 6596 282.7 UdeM00000015295 XP_045163057.1 52.7 332
 127 9 13 324 18 339 5.80E-73 282.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015296 6596 627.9 UdeM00000015296 XP_045162172.1 37.2 1184
 562 25 1 1138 12 1059 2.60E-176 627.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015297 6596 292 UdeM00000015297 XP_045161552.1 66 215
 73 0 1 215 1 215 6.40E-76 292 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015298 1735272 204.9 UdeM00000015298 XP_041377681.1 30.6
 706 369 25 5 698 258 854 3.70E-49 204.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015299 6596 277.3 UdeM00000015299 XP_045161876.1 52.7 256
 120 1 1 255 1 256 3.10E-71 277.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015300 6573 81.3 UdeM00000015300 XP_021342508.1 33.1 236
 124 7 42 258 339 559 8.40E-12 81.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015301 6573 66.2 UdeM00000015301 XP_021342506.1 33.7 193
 110 6 10 188 72 260 5.00E-08 66.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015302 6596 1544.3 UdeM00000015302 XP_045162491.1 62
 1285 440 13 1 1267 66 1320 0.00E+00 1544.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015303 6526 345.5 UdeM00000015303 XP_013079593.1 50.3 332
 136 4 71 378 82 408 8.50E-92 345.5 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000015304 6526 307.4 UdeM00000015304 XP_013079593.1 53.8 264
 112 3 1 259 150 408 1.80E-80 307.4 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000015305 6526 382.9 UdeM00000015305 XP_013079593.1 53.9 332
 143 3 71 397 82 408 5.00E-103 382.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000015306 6573 104.8 UdeM00000015306 XP_021365372.1 39 141
 78 3 103 238 19 156 1.60E-19 104.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015307 6596 429.5 UdeM00000015307 XP_045163180.1 61 331
 127 1 26 354 64 394 4.20E-117 429.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015308 6596 339.3 UdeM00000015308 XP_045163180.1 65.3 239
 83 0 1 239 101 339 4.00E-90 339.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015309 6596 225.3 UdeM00000015309 XP_045163399.1 91.7 121
 10 0 11 131 3 123 4.70E-56 225.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015310 6596 121.7 UdeM00000015310 XP_045163399.1 71.1 83
24 0 18 100 103 185 5.50E-25 121.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015311 6579 203.4 UdeM00000015311 XP_033724855.1 73.8 130
34 0 7 136 204 333 4.10E-49 203.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015312 133434 71.6 UdeM00000015312 XP_022111779.1 33.8
139 78 7 104 239 37 164 1.50E-09 71.6 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000015314 7897 360.9 UdeM00000015314 XP_006006334.1 45.1 399
195 4 88 480 32 412 2.50E-96 360.9 7897 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Coelacanthimorpha;Coelacanthiformes;Coelacanthidae;Latimeria;Latimeria chalumnae

UdeM00000015313 7897 366.3 UdeM00000015313 XP_006006334.1 44.9 410
202 4 88 491 32 423 6.10E-98 366.3 7897 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Coelacanthimorpha;Coelacanthiformes;Coelacanthidae;Latimeria;Latimeria chalumnae

UdeM00000015315 6596 196.8 UdeM00000015315 XP_045161937.1 44.9 227
116 3 33 251 41 266 3.20E-47 196.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015316 1735272 102.8 UdeM00000015316 XP_041358468.1 51.9
81 39 0 9 89 303 383 3.20E-19 102.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015317 6596 355.9 UdeM00000015317 XP_045161615.1 67.5 271
74 5 122 388 13 273 6.80E-95 355.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015318 6596 798.9 UdeM00000015318 XP_045163032.1 60.7 619
214 4 32 647 44 636 4.80E-228 798.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015319 6596 615.9 UdeM00000015319 XP_045163032.1 49.8 605
196 3 28 539 44 633 4.90E-173 615.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015320 6596 774.6 UdeM00000015320 XP_045163049.1 57.3 625
256 3 8 632 13 626 9.60E-221 774.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015321 6596 487.6 UdeM00000015321 XP_045162308.1 44.7 580
311 7 10 582 12 588 2.20E-134 487.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015322 6596 261.2 UdeM00000015322 XP_045162308.1 38.8 387
208 5 4 384 46 409 2.20E-66 261.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015323 6596 503.8 UdeM00000015323 XP_045162308.1 45.8 594
305 7 17 599 11 598 3.00E-139 503.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015324 6573 311.2 UdeM00000015324 XP_021358437.1 28.2 921
542 29 238 1111 420 1268 5.40E-81 311.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000015325 6596 673.3 UdeM00000015325 XP_045162242.1 48.2 711
336 10 22 703 67 774 3.40E-190 673.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015326 6596 684.1 UdeM00000015326 XP_045162242.1 49.8 705
324 8 23 699 72 774 1.90E-193 684.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015327 6596 174.1 UdeM00000015327 XP_045163217.1 66.4 128
43 0 1 128 1 128 1.20E-40 174.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015328 6573 546.2 UdeM00000015328 XP_021353667.1 85.3 292
 43 0 1 292 140 431 2.50E-152 546.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015329 6596 422.2 UdeM00000015329 XP_045163069.1 65 320
 97 4 1 320 1 305 6.00E-115 422.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015331 6565 648.3 UdeM00000015331 XP_022345668.1 68.4 478
 137 4 1 471 59 529 7.80E-183 648.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015330 29159 1145.2 UdeM00000015330 XP_034298901.1 61
 971 317 9 1 953 57 983 0.00E+00 1145.2
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015332 6596 505.8 UdeM00000015332 XP_045163336.1 56.3 485
 198 4 2 485 586 1057 6.30E-140 505.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015333 1735272 120.9 UdeM00000015333 XP_041378005.1 41.1
 214 92 5 60 264 274 462 2.40E-24 120.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015336 6573 65.9 UdeM00000015336 XP_021353726.1 41.3 63
 37 0 63 125 116 178 3.20E-07 65.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015337 52239 58.5 UdeM00000015337 XP_033952160.1 43.9 66
 36 1 14 79 128 192 5.50E-06 58.5 52239 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Channichthyidae;Pseudochaenichthys;Pseudochaenichthys georgianus
 UdeM00000015338 7604 213.8 UdeM00000015338 XP_033644645.1 46.1 230
 120 4 8 233 305 534 2.50E-52 213.8 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000015340 6573 130.2 UdeM00000015340 XP_021353726.1 36.5 178
 105 6 6 180 13 185 5.10E-27 130.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015342 6573 118.6 UdeM00000015342 XP_021353726.1 34.3 169
 100 5 8 167 11 177 1.20E-23 118.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015343 6573 118.6 UdeM00000015343 XP_021353726.1 34.3 169
 100 5 8 167 11 177 1.20E-23 118.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015344 225164 222.6 UdeM00000015344 XP_009064069.1 54.9
 173 74 2 406 576 53 223 1.60E-54 222.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000015345 6596 396.4 UdeM00000015345 XP_045163237.1 74.9 251
 63 0 1 251 1 251 2.80E-107 396.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015346 6573 522.7 UdeM00000015346 XP_021366557.1 50.8 537
 239 7 3 520 4 534 5.30E-145 522.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015347 6596 278.9 UdeM00000015347 XP_045163886.1 48.4 306
 152 2 1 301 1 305 7.80E-72 278.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015348 29159 108.6 UdeM00000015348 XP_034336102.1 40.8 130
 44 1 1 97 1 130 4.70E-21 108.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015349 7574 236.9 UdeM00000015349 XP_013409676.1 50.7 268
 115 5 1 261 1 258 3.60E-59 236.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000015350 7574 444.1 UdeM00000015350 XP_013382110.1 46.9 475
 229 7 1 472 37 491 2.20E-121 444.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000015351 6596 102.4 UdeM00000015351 XP_045162127.1 51.4 107
 45 2 2 101 68 174 3.40E-19 102.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015353 6596 636.3 UdeM00000015353 XP_045161437.1 79.7 384
 78 0 43 426 36 419 3.20E-179 636.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015354 6596 421.4 UdeM00000015354 XP_045162399.1 54.6 559
 165 11 1 501 1 528 1.60E-114 421.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015355 1735272 120.2 UdeM00000015355 XP_041353531.1 38.8
 160 96 2 29 186 41 200 2.90E-24 120.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015356 1735272 158.7 UdeM00000015356 XP_041353531.1 37.1
 221 137 2 29 247 41 261 1.10E-35 158.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015357 1735272 199.9 UdeM00000015357 XP_041354653.1 42.8
 236 133 2 2 235 154 389 3.70E-48 199.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015358 7741 508.8 UdeM00000015358 XP_019618826.1 56.8 435
 187 1 1 434 47 481 8.50E-141 508.8 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000015359 1735272 370.9 UdeM00000015359 XP_041353531.1 40.2
 473 275 5 36 504 41 509 2.50E-99 370.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015360 37621 310.1 UdeM00000015360 XP_014669105.1 69 255
 79 0 1 255 1 255 2.70E-81 310.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus

UdeM00000015361 6596 845.5 UdeM00000015361 XP_045163067.1 73.1 588
 147 5 1 585 1 580 4.30E-242 845.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015362 6579 1221.8 UdeM00000015362 XP_033763671.1 64.6
917 297 9 194 1106 552 1444 0.00E+00 1221.8 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015363 1735272 119 UdeM00000015363 XP_041379021.1 44.5
128 67 1 328 451 33 160 1.60E-23 119 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000015364 6596 236.5 UdeM00000015364 XP_045162516.1 54.1 209
94 1 3 209 2 210 3.10E-59 236.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015365 6565 123.6 UdeM00000015365 XP_022336943.1 43.8 176
85 5 48 211 95 268 3.20E-25 123.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015366 6579 468.4 UdeM00000015366 XP_033764057.1 68.6 325
96 2 8 326 12 336 7.50E-129 468.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015367 225164 125.2 UdeM00000015367 XP_009066736.1 70.8
72 21 0 20 91 314 385 4.70E-26 125.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000015368 6565 580.5 UdeM00000015368 XP_022308439.1 46.3 698
339 10 417 1099 604 1280 4.60E-162 580.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015369 29159 529.3 UdeM00000015369 XP_034315642.1 45.5 671
329 10 400 1053 80 730 1.20E-146 529.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015370 52670 82.4 UdeM00000015370 XP_013874439.1 56.7 60
26 0 46 105 1714 1773 3.90E-13 82.4 52670 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acantho-

rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus
limnaeus

UdeM00000015371 52670 82.4 UdeM00000015371 XP_013874439.1 56.7 60
26 0 44 103 1714 1773 3.80E-13 82.4 52670 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus
limnaeus

UdeM00000015372 1232801 60.5 UdeM00000015372 XP_043214649.1 42.4
66 31 1 35 93 2516 2581 1.40E-06 60.5 1232801
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanid
ae;Amphibalanus;Amphibalanus amphitrite

UdeM00000015373 6596 102.4 UdeM00000015373 XP_045181277.1 33.9 186
103 6 151 324 143 320 1.10E-18 102.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000042814 6596 529.3 UdeM00000042814 XP_045209597.1 69 381
118 0 17 397 26 406 4.40E-147 529.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000044130 6596 1093.2 UdeM00000044130 XP_045193712.1 46.1
1659 763 42 9 1588 18 1623 0.00E+00 1093.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031494 6596 492.3 UdeM00000031494 XP_045175120.1 72 318
89 0 1 318 1 318 4.70E-136 492.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031495 27687 112.1 UdeM00000031495 XP_028665326.1 37.1 194
98 5 10 196 43 219 8.60E-22 112.1 27687 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoich
thys calabaricus

UdeM00000031496 6596 1281.5 UdeM00000031496 XP_045175624.1 58.3
1139 413 16 13 1101 99 1225 0.00E+00 1281.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031498 6596 137.9 UdeM00000031498 XP_045166822.1 38.5 174
103 2 329 499 30 202 3.60E-29 137.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031499 6565 89 UdeM00000031499 XP_022325297.1 34.1 220
119 6 288 499 399 600 2.00E-14 89 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031500 225164 89.7 UdeM00000031500 XP_009050521.1 29.3
215 116 5 278 486 288 472 1.10E-14 89.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000031502 6573 119 UdeM00000031502 XP_021370093.1 41.8 153
87 2 609 761 423 573 2.60E-23 119 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031503 6565 91.3 UdeM00000031503 XP_022325297.1 33.6 217
123 5 340 551 399 599 4.30E-15 91.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031505 6565 95.5 UdeM00000031505 XP_022325297.1 30.7 270
160 6 287 551 352 599 2.30E-16 95.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031507 215358 84.7 UdeM00000031507 XP_019113880.2 28.1
210 133 5 279 485 2 196 3.50E-13 84.7 215358

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000031510 48699 139 UdeM00000031510 XP_014873036.1 26 431
280 9 96 513 47 451 1.60E-29 139 48699 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Cyprinodontoides;Poeciliidae;Poeciliinae;Poecilia;Poecilia latipinna

UdeM00000031511 48699 145.2 UdeM00000031511 XP_014873036.1 27.5 443
 260 11 96 515 47 451 2.30E-31 145.2 48699 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoides;Poeciliidae;Poeciliinae;Poecilia;Poecili
 a latipinna

UdeM00000031512 7539 198.7 UdeM00000031512 XP_023028017.1 39.3 257
 153 2 34 287 78 334 1.00E-47 198.7 7539 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Chrysomelinae;Doryphorini;Leptinota
 rsa;Leptinotarsa decemlineata

UdeM00000031513 6573 131.3 UdeM00000031513 XP_021353057.1 58.5 106
 42 1 1 106 1 104 5.10E-27 131.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031515 225164 209.1 UdeM00000031515 XP_009053848.1 44.9
 234 123 3 1 229 143 375 9.30E-51 209.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000031517 225164 235 UdeM00000031517 XP_009053848.1 42.3
 291 163 3 32 318 84 373 2.00E-58 235 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000031518 6565 795 UdeM00000031518 XP_022302594.1 73.8 504
 131 1 1 504 1 503 5.50E-227 795 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031519 6596 320.1 UdeM00000031519 XP_045174596.1 32.2 855
 407 22 241 1064 342 1054 1.10E-83 320.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031520 6565 156.4 UdeM00000031520 XP_022322655.1 47.9 169
 71 2 6 157 243 411 5.50E-35 156.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031520 6565 83.2 UdeM00000031520 XP_022322655.1 48.8 82
 42 0 205 286 667 748 6.00E-13 83.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031521 6565 132.1 UdeM00000031521 XP_022322655.1 59 105
 43 0 1 105 307 411 9.20E-28 132.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031521 6565 83.2 UdeM00000031521 XP_022322655.1 48.8 82
 42 0 153 234 667 748 4.90E-13 83.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031522 6565 109.8 UdeM00000031522 XP_022331706.1 48.5 103
 53 0 14 116 62 164 2.50E-21 109.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031524 6565 253.4 UdeM00000031524 XP_022341462.1 33.7 448
 251 8 105 528 85 510 6.20E-64 253.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031525 6573 236.5 UdeM00000031525 XP_021349492.1 35.1 388
 232 7 102 471 49 434 7.00E-59 236.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031526 2607531 243.8 UdeM00000031526 XP_029637171.1 37.3
 383 216 7 123 492 27 398 4.60E-61 243.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000031527 2607531 243.8 UdeM00000031527 XP_029637171.1 37.3
 383 216 7 204 573 27 398 5.30E-61 243.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000031528 7739 63.9 UdeM00000031528 XP_035677667.1 39.8 93
 53 2 50 142 288 377 2.00E-07 63.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000031529 29159 502.3 UdeM00000031529 XP_034316046.1 70.7 321
 94 0 7 327 45 365 4.80E-139 502.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031530 37653 708.8 UdeM00000031530 XP_014772707.1 94.5 347
 19 0 1 347 1 347 3.50E-201 708.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000031531 6596 950.7 UdeM00000031531 XP_045204827.1 39 1483
 809 26 8 1430 28 1475 2.20E-273 950.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031532 225164 99.4 UdeM00000031532 XP_009048365.1 82.4
51 9 0 30 80 22 72 2.50E-18 99.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000031535 400727 204.5 UdeM00000031535 XP_025086971.1 55.4
166 67 2 1 163 268 429 1.00E-49 204.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000031536 6596 115.5 UdeM00000031536 XP_045208432.1 41 188
92 9 180 353 236 418 1.90E-22 115.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031537 6596 115.5 UdeM00000031537 XP_045208432.1 41 188
92 9 180 353 236 418 1.90E-22 115.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031538 6706 229.2 UdeM00000031538 XP_042228469.1 84.3 121
19 0 1 121 5 125 2.90E-57 229.2 6706 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Astacidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus

UdeM00000031539 6596 116.7 UdeM00000031539 XP_045208432.1 40.7 177
91 6 217 382 236 409 9.10E-23 116.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031540 6596 116.7 UdeM00000031540 XP_045208432.1 40.7 177
91 6 217 382 236 409 9.20E-23 116.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031541 6596 116.7 UdeM00000031541 XP_045208432.1 40.7 177
91 6 202 367 236 409 9.00E-23 116.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031542 6596 107.8 UdeM00000031542 XP_045208432.1 39.8 176
90 7 216 377 236 409 4.20E-20 107.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031543 6596 115.2 UdeM00000031543 XP_045208432.1 42.6 176
85 7 239 400 236 409 2.80E-22 115.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031544 6596 115.2 UdeM00000031544 XP_045208432.1 42.6 176
85 7 217 378 236 409 2.70E-22 115.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031546 6579 492.3 UdeM00000031546 XP_033763107.1 42.8 593
321 9 9 586 7 596 8.70E-136 492.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031547 6596 471.5 UdeM00000031547 XP_045177255.1 51.4 405
196 1 29 432 22 426 1.20E-129 471.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031548 6596 300.8 UdeM00000031548 XP_045175907.1 73.8 210
53 2 1 209 1 209 1.40E-78 300.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031549 6579 296.2 UdeM00000031549 XP_033752908.1 72.2 205
56 1 1 204 1 205 3.50E-77 296.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031550 6596 77 UdeM00000031550 XP_045215434.1 44.9 89
49 0 12 100 245 333 1.50E-11 77 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031551 139649 108.2 UdeM00000031551 XP_037944215.1 58.8
85 34 1 3 86 590 674 5.20E-21 108.2 139649
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Diopsoidea;Diopsideae;Teleopsis;Teleopsis dalmanni

UdeM00000031552 139649 135.2 UdeM00000031552 XP_037944215.1 57.5
106 44 1 1 105 569 674 4.90E-29 135.2 139649

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Diopsoidea;Diopsidae;Teleopsis;Teleopsis dalmanni

UdeM00000031553 6596 94.7 UdeM00000031553 XP_045177028.1 27.7 264
172 5 94 353 30 278 2.50E-16 94.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031554 6596 70.9 UdeM00000031554 XP_045177028.1 26.8 153
110 1 21 173 125 275 2.00E-09 70.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031557 6579 890.2 UdeM00000031557 XP_033751358.1 61 764
251 10 1 738 1 743 1.80E-255 890.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000031558 6573 840.9 UdeM00000031558 XP_021360165.1 56.6 836
333 12 12 835 11 828 1.40E-240 840.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031559 6596 288.5 UdeM00000031559 XP_045174742.1 38.7 375
216 8 163 532 263 628 1.70E-74 288.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031560 6596 238 UdeM00000031560 XP_045175789.1 47.2 250
126 4 1 246 1 248 1.30E-59 238 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031561 6596 105.1 UdeM00000031561 XP_045175780.1 30.2 248
61 3 1 136 1 248 7.90E-20 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031562 7906 465.7 UdeM00000031562 XP_034762010.1 64.2 385
135 1 1 385 1 382 6.20E-128 465.7 7906 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipenseridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000018793 6596 210.3 UdeM00000018793 XP_045207455.1 67.8 149
48 0 1 149 703 851 1.70E-51 210.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018794 6573 67.4 UdeM00000018794 XP_021354703.1 26.3 175
95 2 21 162 17 190 2.20E-08 67.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018795 6596 870.2 UdeM00000018795 XP_045188050.1 46 1035
501 9 7 1022 421 1416 2.70E-249 870.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018796 2607531 287.3 UdeM00000018796 XP_036359723.1 32.7
545 356 7 89 628 119 657 4.60E-74 287.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000018797 2607531 287.3 UdeM00000018797 XP_036359723.1 32.7
545 356 7 79 618 119 657 4.60E-74 287.3 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000018798 6596 318.5 UdeM00000018798 XP_045176613.1 48.3 325
159 7 30 350 23 342 1.10E-83 318.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018802 6596 311.2 UdeM00000018802 XP_045173349.1 25.7 1036
536 24 22 842 52 1068 4.00E-81 311.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018805 6573 166.8 UdeM00000018805 XP_021375729.1 29.6 328
99 2 14 209 10 337 3.00E-38 166.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018806 6573 144.8 UdeM00000018806 XP_021371061.1 38.7 235
108 6 1 204 1 230 1.30E-31 144.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018807 28377 136.7 UdeM00000018807 XP_008111589.1 57.5 113
35 3 11 110 98 210 1.80E-29 136.7 28377 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido

sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Iguania;Dacty
 loidae;Anolis;Anolis carolinensis
 UdeM00000018808 29159 215.3 UdeM00000018808 XP_034324671.1 84.5 129
 20 0 4 132 226 354 5.40E-53 215.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018809 29159 357.1 UdeM00000018809 XP_034324671.1 83.3 204
 34 0 2 205 253 456 1.50E-95 357.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018810 7913 77.8 UdeM00000018810 XP_041082893.1 51.7 87
 39 2 1 86 1 85 7.80E-12 77.8 7913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidi;Polyod
 ontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula
 UdeM00000018812 6596 332.8 UdeM00000018812 XP_045176613.1 48.6 346
 168 8 3 343 4 344 5.20E-88 332.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018811 6596 332.4 UdeM00000018811 XP_045176613.1 48.6 346
 168 8 8 348 4 344 6.90E-88 332.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018814 6565 114.4 UdeM00000018814 XP_022297037.1 39.5 167
 94 3 6 167 11 175 1.40E-22 114.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018815 6596 114 UdeM00000018815 XP_045202576.1 54.6 108
 48 1 1 107 87 194 2.00E-22 114 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018816 6596 102.8 UdeM00000018816 XP_045202346.1 37.6 133
 79 2 12 143 35 164 3.60E-19 102.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018817 6596 80.1 UdeM00000018817 XP_045201969.1 44.7 114
 51 3 1 106 19 128 4.20E-12 80.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000018818 6596 65.9 UdeM00000018818 XP_045202346.1 50 54
 27 0 2 55 94 147 3.50E-08 65.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018820 6105 117.5 UdeM00000018820 XP_031551063.1 44 134
 67 1 1 126 591 724 1.30E-23 117.5 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000018821 6596 58.9 UdeM00000018821 XP_045169256.1 30.6 124
 79 2 11 134 12 128 5.90E-06 58.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018822 6596 184.1 UdeM00000018822 XP_045169256.1 44.8 192
 94 3 1 187 151 335 1.90E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018824 6596 295 UdeM00000018824 XP_045168479.1 43 342
 188 2 14 354 33 368 1.30E-76 295 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018825 6596 87 UdeM00000018825 XP_045169256.1 28.8 177
 119 1 11 187 12 181 2.80E-14 87 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018826 29159 74.3 UdeM00000018826 XP_019928906.2 24.8 286
 132 6 32 237 442 724 2.30E-10 74.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018827 6596 229.6 UdeM00000018827 XP_045168479.1 37.1 337
 157 3 11 292 30 366 5.30E-57 229.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018828 6596 293.1 UdeM00000018828 XP_045168479.1 37.6 402
 243 3 11 411 30 424 5.50E-76 293.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018830 6596 88.2 UdeM00000018830 XP_045169256.1 29 162
 108 1 25 186 26 180 1.30E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018831 6105 161.8 UdeM00000018831 XP_031551063.1 33.7 288
175 5 4 275 437 724 1.30E-36 161.8 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000018832 6596 58.5 UdeM00000018832 XP_045168478.1 38.9 72
44 0 4 75 648 719 4.40E-06 58.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018833 6596 389.8 UdeM00000018833 XP_045168479.1 33.7 627
392 7 11 637 30 632 6.60E-105 389.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018834 45351 86.3 UdeM00000018834 XP_001623471.2 32.8 201
105 7 10 187 12 205 5.00E-14 86.3 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000018835 6596 297.7 UdeM00000018835 XP_045173349.1 26.2 922
453 21 22 730 52 959 4.80E-77 297.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018836 6596 466.8 UdeM00000018836 XP_045186644.1 32.2 938
545 26 219 1124 153 1031 7.50E-128 466.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018837 6596 803.1 UdeM00000018837 XP_045210494.1 81.7 802
127 6 21 807 148 944 3.20E-229 803.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018838 29159 228.4 UdeM00000018838 XP_011434686.2 79.9 134
26 1 1 133 7 140 3.00E-56 228.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018839 6596 330.1 UdeM00000018839 XP_045208227.1 74.7 225
56 1 1 224 1 225 2.30E-87 330.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018841 6579 134.4 UdeM00000018841 XP_033733207.1 26.7 570
344 18 1 558 1 508 4.70E-28 134.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018842 6596 90.5 UdeM00000018842 XP_045207521.1 43.8 112
61 1 5 114 466 577 3.70E-15 90.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018843 6596 231.9 UdeM00000018843 XP_045207522.1 30.9 611
200 11 290 718 6 576 3.20E-57 231.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018844 7574 349.7 UdeM00000018844 XP_013392871.1 34.2 657
363 11 127 737 73 706 1.40E-92 349.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000018845 6596 89 UdeM00000018845 XP_045185612.1 18.6 826
546 27 491 1263 405 1157 4.90E-14 89 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018846 6596 100.9 UdeM00000018846 XP_045209928.1 34.7 170
105 3 1 169 1 165 1.70E-18 100.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018851 6596 108.6 UdeM00000018851 XP_045209928.1 38.3 167
100 2 1 166 1 165 7.90E-21 108.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018852 6596 72 UdeM00000018852 XP_045209928.1 27.7 173
119 1 1 173 1 167 8.70E-10 72 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018855 6596 80.9 UdeM00000018855 XP_045209928.1 32.4 170
109 2 1 169 1 165 2.40E-12 80.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018858 29159 59.7 UdeM00000018858 XP_019919096.1 33.3 108
62 2 1 106 1 100 4.90E-06 59.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018859 6596 109.4 UdeM00000018859 XP_045209928.1 37.7 167
 101 2 1 166 1 165 4.70E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018862 29159 60.8 UdeM00000018862 XP_011424717.2 35.6 118
 63 4 20 129 40 152 1.70E-06 60.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018863 6596 88.6 UdeM00000018863 XP_045209928.1 33.5 173
 109 2 1 172 1 168 3.60E-14 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018864 6596 115.9 UdeM00000018864 XP_045209928.1 40.7 167
 96 2 1 166 1 165 5.00E-23 115.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018865 6596 116.7 UdeM00000018865 XP_045209928.1 39.5 167
 98 2 1 166 1 165 2.90E-23 116.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018866 6596 93.2 UdeM00000018866 XP_045209928.1 33.5 170
 108 2 1 170 1 165 3.60E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018867 6596 327.4 UdeM00000018867 XP_045207178.1 54 263
 118 1 231 490 1150 1412 3.10E-86 327.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018868 6596 305.1 UdeM00000018868 XP_045205492.1 39.9 409
 221 7 18 404 55 460 1.40E-79 305.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018869 6596 687.6 UdeM00000018869 XP_045208802.1 50 1145
 448 34 1 1106 109 1168 2.70E-194 687.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018870 6596 745 UdeM00000018870 XP_045209128.1 47.3 879
 352 13 1 869 1 778 1.10E-211 745 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018871 6596 609.4 UdeM00000018871 XP_045209598.1 45.7 716
 319 11 4 657 13 720 5.50E-171 609.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018872 6596 347.8 UdeM00000018872 XP_045209598.1 56.9 283
 99 3 1 260 438 720 1.20E-92 347.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018873 6596 612.8 UdeM00000018873 XP_045209598.1 50.6 609
 259 8 76 650 120 720 4.90E-172 612.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018875 37621 121.3 UdeM00000018875 XP_014676995.1 27 319
 106 3 1 192 136 454 1.50E-24 121.3 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000018876 37621 144.4 UdeM00000018876 XP_014676995.1 28.4 356
 128 3 1 229 136 491 1.80E-31 144.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulul;Priapulul caudatus
 UdeM00000018878 6596 1255.4 UdeM00000018878 XP_045189898.1 37.4
 1734 1005 38 102 1793 182 1877 0.00E+00 1255.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018879 6596 267.7 UdeM00000018879 XP_045199866.1 45 311
 164 3 26 330 1818 2127 2.80E-68 267.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018880 1735272 308.9 UdeM00000018880 XP_041357551.1 33.9
 607 382 14 1 599 41 636 1.40E-80 308.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000018881 6596 103.2 UdeM00000018881 XP_045167077.1 53.8 78
36 0 111 188 872 949 4.70E-19 103.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018882 50429 249.6 UdeM00000018882 XP_022803615.1 30 516
323 6 6 484 346 860 8.70E-63 249.6 50429 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Pocilloporidae; Stylophora; Stylophora pistillata

UdeM00000018883 50429 249.6 UdeM00000018883 XP_022803615.1 30 516
323 6 6 484 346 860 8.70E-63 249.6 50429 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Pocilloporidae; Stylophora; Stylophora pistillata

UdeM00000018884 1735272 315.5 UdeM00000018884 XP_041357551.1 30.9
647 425 9 27 665 38 670 1.90E-82 315.5 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000018885 1735272 303.1 UdeM00000018885 XP_041357551.1 33.7
597 381 13 6 597 4 590 7.80E-79 303.1 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000018887 6596 250.4 UdeM00000018887 XP_045199866.1 44.7 291
157 2 1 288 1838 2127 4.20E-63 250.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018888 1735272 273.5 UdeM00000018888 XP_041357551.1 33.3
550 308 12 3 542 25 525 5.90E-70 273.5 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000018889 6596 909.8 UdeM00000018889 XP_045157300.1 40.8 1158
603 26 1 1104 423 1551 4.10E-261 909.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018890 6596 192.2 UdeM00000018890 XP_045157647.1 31.7 312
194 6 94 396 2209 2510 1.30E-45 192.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018891 45264 365.2 UdeM00000018891 XP_029208193.2 29.2 887
 567 22 20 873 66 924 2.80E-97 365.2 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000018892 1735272 245.7 UdeM00000018892 XP_041369837.1 44.6
 307 164 5 3 306 1881 2184 7.80E-62 245.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018893 6105 461.5 UdeM00000018893 XP_031553297.1 55.3 394
 160 8 25 418 331 708 1.50E-126 461.5 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000018894 6105 461.5 UdeM00000018894 XP_031553297.1 55.3 394
 160 8 25 418 331 708 1.50E-126 461.5 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000018895 7906 223.8 UdeM00000018895 XP_034762010.1 67.2 183
 58 2 1 182 1 182 1.80E-55 223.8 7906 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidei;Acipen
 seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus
 UdeM00000018896 7913 247.3 UdeM00000018896 XP_041081195.1 64.8 196
 69 0 1 196 11 206 1.60E-62 247.3 7913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidei;Polyod
 ontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula
 UdeM00000018897 55291 127.1 UdeM00000018897 XP_039621511.1 53.7 123
 57 0 3 125 262 384 1.70E-26 127.1 55291 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Cladistia;Polypteriformes;Polypteridae;Polypterus;Polypterus
 senegalus
 UdeM00000018900 7574 409.5 UdeM00000018900 XP_013384367.1 51.6 407
 185 5 274 672 516 918 8.50E-111 409.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000018901 44394 92 UdeM00000018901 XP_014127848.2 36.6 131
 76 2 90 215 832 960 9.80E-16 92 44394 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Passeriformes;Passerellidae;Zonotrichia;Zonotrichia albicollis
 UdeM00000018902 7574 302.4 UdeM00000018902 XP_023932112.1 56.7 254
 106 3 1 253 201 451 8.40E-79 302.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000018903 118141 61.6 UdeM00000018903 XP_036387862.1 37.9
 87 50 2 123 207 432 516 1.60E-06 61.6 118141
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Elopiformes;Megalopidae;Megalops;Megalops cyprinoides
 UdeM00000018904 303518 135.2 UdeM00000018904 XP_005751641.1 51.1
 141 66 2 1 138 292 432 6.40E-29 135.2 303518
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African
 cichlids;Pseudocrenilabrinae;Haplochromini;Pundamilia;Pundamilia nyererei
 UdeM00000018905 6573 204.5 UdeM00000018905 XP_021341731.1 21.9 658
 470 15 1 622 31 680 3.90E-49 204.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018906 6573 173.3 UdeM00000018906 XP_021341731.1 21.8 583
 425 12 7 568 108 680 8.70E-40 173.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018907 6596 607.1 UdeM00000018907 XP_045157647.1 37.3 946
 536 17 1463 2388 2212 3120 9.90E-170 607.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018908 6596 241.1 UdeM00000018908 XP_045209202.1 49.3 205
 103 1 33 237 1558 1761 1.40E-60 241.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018909 90988 150.2 UdeM00000018909 XP_039529744.1 37.1 205
 125 2 6 206 387 591 3.00E-33 150.2 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
 ideii;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
 UdeM00000018910 6565 109 UdeM00000018910 XP_022340918.1 24.2 326
 223 6 64 386 193 497 1.40E-20 109 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018911 6596 194.1 UdeM00000018911 XP_045189898.1 36.6 290
 173 5 11 297 1426 1707 4.70E-46 194.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018912 6596 1026.2 UdeM00000018912 XP_045209202.1 39.4
1475 812 31 7 1455 636 2054 4.90E-296 1026.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018913 6596 957.6 UdeM00000018913 XP_045209202.1 42 1233
669 24 11 1219 844 2054 1.90E-275 957.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018914 6596 1011.5 UdeM00000018914 XP_045189898.1 38.6
1455 833 30 523 1949 286 1707 1.60E-291 1011.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018915 6596 864.4 UdeM00000018915 XP_045157300.1 35.4 1426
780 27 374 1692 6 1397 2.70E-247 864.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018916 6596 135.2 UdeM00000018916 XP_045207645.1 28.8 385
223 9 2706 3046 1837 2214 1.40E-27 135.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018918 7741 233.8 UdeM00000018918 XP_019632704.1 28 669
384 24 35862 36450 789 1439 3.50E-56 233.8 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000018919 400727 104 UdeM00000018919 XP_025080552.1 61.2
85 32 1 4 87 1 85 1.00E-19 104 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000018920 7574 402.9 UdeM00000018920 XP_013398667.1 52.3 428
181 6 1 423 1 410 1.00E-108 402.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000018921 6573 428.7 UdeM00000018921 XP_021342694.1 61.7 355
112 2 1 355 42 372 1.50E-116 428.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018922 6596 148.7 UdeM00000018922 XP_045209881.1 24.2 833
507 24 1 725 1 817 2.90E-32 148.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018923 6596 326.6 UdeM00000018923 XP_045209880.1 44.6 392
202 6 1 383 11 396 4.20E-86 326.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018925 6596 77.4 UdeM00000018925 XP_045169502.1 28.1 217
129 4 237 440 52 254 5.10E-11 77.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018924 8236 72.4 UdeM00000018924 XP_044191554.1 24.9 301
195 8 146 419 287 583 1.60E-09 72.4 8236 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombr
idae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000018926 8236 72.4 UdeM00000018926 XP_044191554.1 24.9 301
195 8 191 464 287 583 1.80E-09 72.4 8236 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombr
idae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000018927 6596 401.7 UdeM00000018927 XP_045209879.1 77.2 232
53 0 84 315 88 319 8.60E-109 401.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018928 6596 140.6 UdeM00000018928 XP_045163890.1 38.8 165
94 3 8 165 22 186 1.80E-30 140.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018929 6596 706.1 UdeM00000018929 XP_045209877.1 66.4 557
148 8 1 542 105 637 4.90E-200 706.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018930 6596 345.1 UdeM00000018930 XP_045207280.1 48.2 357
 180 3 1 353 28 383 1.10E-91 345.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018931 6596 1708.7 UdeM00000018931 XP_045208936.1 56
 1553 476 10 20 1368 32 1581 0.00E+00 1708.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026331 6579 145.6 UdeM00000026331 XP_033752461.1 46 174
 90 2 8 181 145 314 6.90E-32 145.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026333 6573 98.2 UdeM00000026333 XP_021339669.1 37.6 157
 77 3 1 136 194 350 8.50E-18 98.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026334 6573 233.4 UdeM00000026334 XP_021339669.1 48.6 257
 128 2 1 257 87 339 3.30E-58 233.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026335 6573 213.8 UdeM00000026335 XP_021339669.1 46.7 257
 115 4 1 236 87 342 2.50E-52 213.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026336 6596 260.8 UdeM00000026336 XP_045175789.1 52.1 259
 116 4 1 255 1 255 1.90E-66 260.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026339 6596 70.5 UdeM00000026339 XP_045175484.1 29.3 225
 120 7 4 224 11 200 7.50E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026341 6596 65.5 UdeM00000026341 XP_045175484.1 29 224
 121 8 4 223 11 200 2.40E-07 65.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026342 6596 65.5 UdeM00000026342 XP_045175484.1 29 224
 121 8 4 223 11 200 2.40E-07 65.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026344 6596 69.7 UdeM00000026344 XP_045175484.1 29.2 226
118 7 4 223 11 200 9.50E-09 69.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026345 6500 68.9 UdeM00000026345 XP_005096038.1 37.6 117
67 3 12 125 11 124 1.80E-08 68.9 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000026346 6596 61.6 UdeM00000026346 XP_045175466.1 33 109
62 2 11 113 53 156 2.90E-06 61.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026347 6596 99.8 UdeM00000026347 XP_045175466.1 25.8 310
217 2 15 311 65 374 1.20E-17 99.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026352 742174 171 UdeM00000026352 XP_025202388.1 27.1
543 301 15 80 528 24 565 4.10E-39 171 742174
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;Aphidomorpha;Aphidoidea;Aphididae;Aphidinae;Aphidini;Melanaphis;Melanaphis sacchari

UdeM00000026353 1735272 461.5 UdeM00000026353 XP_041366994.1 72.3
336 85 4 1 328 338 673 1.10E-126 461.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026354 400727 389.8 UdeM00000026354 XP_025086927.1 55.8
337 145 3 1 334 1 336 3.50E-105 389.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000026355 6573 344.7 UdeM00000026355 XP_021348020.1 55.4 314
136 3 8 319 11 322 1.20E-91 344.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026356 6579 248.8 UdeM00000026356 XP_033752130.1 43.4 267
146 2 45 306 17 283 8.80E-63 248.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026357 6596 63.2 UdeM00000026357 XP_045176417.1 41.4 58
34 0 15 72 11 68 1.60E-07 63.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026358 6596 63.5 UdeM00000026358 XP_045176417.1 41.4 58
34 0 12 69 11 68 1.20E-07 63.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026359 6596 84.7 UdeM00000026359 XP_045177020.1 43.4 99
52 3 1 96 91 188 8.20E-14 84.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026360 6573 248.8 UdeM00000026360 XP_021343061.1 44.8 268
136 4 41 297 29 295 8.50E-63 248.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026361 6596 270.4 UdeM00000026361 XP_045176418.1 46.3 294
153 3 11 302 11 301 2.80E-69 270.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026362 6596 862.1 UdeM00000026362 XP_045177368.1 50.9 829
354 9 17 821 38 837 5.90E-247 862.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026363 6596 957.2 UdeM00000026363 XP_045177368.1 57.1 821
339 10 11 824 16 830 1.30E-275 957.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026365 6596 862.1 UdeM00000026365 XP_045177368.1 58.9 705
279 8 1 699 131 830 5.00E-247 862.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026364 6596 919.8 UdeM00000026364 XP_045177368.1 57.3 792
319 10 10 787 44 830 2.30E-264 919.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026376 6596 505.4 UdeM00000026376 XP_045174432.1 53.5 465
 188 6 1 453 1 449 7.70E-140 505.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026377 6596 384.4 UdeM00000026377 XP_045176425.1 73.8 260
 67 1 1 260 15 273 1.10E-103 384.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026378 6596 274.6 UdeM00000026378 XP_045174803.1 38 542
 278 11 1 501 1 525 2.40E-70 274.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026380 1735272 128.6 UdeM00000026380 XP_041367632.1 48
 127 62 2 18 140 19 145 6.10E-27 128.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026381 6579 726.5 UdeM00000026381 XP_033751734.1 62.1 617
 200 12 6 598 334 940 2.80E-206 726.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026382 6573 296.6 UdeM00000026382 XP_021379056.1 63.6 220
 80 0 77 296 33 252 3.60E-77 296.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026383 29159 257.3 UdeM00000026383 XP_011414934.2 32.9 502
 271 13 116 615 8 445 4.90E-65 257.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026384 6596 598.6 UdeM00000026384 XP_045174763.1 53.1 531
 234 4 25 540 28 558 7.90E-168 598.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026385 6596 606.3 UdeM00000026385 XP_045174763.1 54 531
 229 2 25 540 28 558 3.80E-170 606.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026386 29159 84.3 UdeM00000026386 XP_011414934.2 50 68
 33 1 98 164 378 445 1.50E-13 84.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026387 6596 610.1 UdeM00000026387 XP_045174763.1 54.4 531
227 2 72 587 28 558 2.90E-171 610.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026388 6596 283.5 UdeM00000026388 XP_045174763.1 45.7 315
156 2 1 300 244 558 3.10E-73 283.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026391 1735272 356.7 UdeM00000026391 XP_041365303.1 53
332 156 0 16 347 271 602 3.40E-95 356.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026392 6596 1196.4 UdeM00000026392 XP_045175366.1 85.2
687 100 2 1 686 1 686 0.00E+00 1196.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026393 1735272 499.2 UdeM00000026393 XP_041365410.1 66.5
340 114 0 4 343 17 356 4.20E-138 499.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026394 7741 468.4 UdeM00000026394 XP_019618826.1 51.6 461
174 4 6 421 5 461 1.00E-128 468.4 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000026395 7998 401.7 UdeM00000026395 XP_017334791.1 66.2 284
92 1 1 284 15 294 8.90E-109 401.7 7998 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
ei;Ictaluridae;Ictalurus;Ictalurus punctatus
UdeM00000026396 6596 489.6 UdeM00000026396 XP_045176991.1 43.6 864
407 27 57 889 22 836 8.60E-135 489.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026397 6596 548.9 UdeM00000026397 XP_045176286.1 60.3 408
159 2 1 407 1 406 5.40E-153 548.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026398 225164 486.5 UdeM00000026398 XP_009051658.1 26.9
1913 1114 50 13 1800 6 1759 1.50E-133 486.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000026399 225164 486.9 UdeM00000026399 XP_009051658.1 26.9
1915 1114 50 13 1803 6 1759 1.10E-133 486.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000026400 1735272 64.3 UdeM00000026400 XP_041364911.1 53.3
60 28 0 10 69 7 66 1.80E-07 64.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026401 6596 277.3 UdeM00000026401 XP_045176879.1 68 206
60 4 31 236 23 222 1.80E-71 277.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026402 6596 708 UdeM00000026402 XP_045176876.1 48.8 715
348 6 18 715 9 722 1.20E-200 708 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026403 6596 709.1 UdeM00000026403 XP_045176876.1 48.7 719
347 6 18 719 9 722 5.60E-201 709.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026404 6565 489.6 UdeM00000026404 XP_022323310.1 49.6 452
224 2 63 513 459 907 4.90E-135 489.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026406 400727 185.3 UdeM00000026406 XP_025086394.1 86
107 15 0 102 208 95 201 8.10E-44 185.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000026407 6573 315.8 UdeM00000026407 XP_021347853.1 39 528
223 13 12 484 127 610 9.80E-83 315.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000026408 6596 61.6 UdeM00000026408 XP_045212436.1 53.2 47
22 0 268 314 33 79 2.10E-06 61.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026413 6579 699.9 UdeM00000026413 XP_033751213.1 56 670
261 15 5 648 262 923 3.00E-198 699.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000026414 6596 275.8 UdeM00000026414 XP_045174409.1 68.1 191
59 1 6 196 5 193 7.70E-71 275.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026415 6596 515.4 UdeM00000026415 XP_045177000.1 62.8 400
138 4 6 400 4 397 6.60E-143 515.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026416 6596 202.6 UdeM00000026416 XP_045174240.1 37.9 277
168 1 8 284 36 308 2.50E-48 202.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026417 114398 136.7 UdeM00000026417 XP_015920988.2 90.1
71 7 0 2 72 9 79 1.20E-29 136.7 114398
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Araneae; Araneomorphae; Entelegynae; Orbiculariae; Araneoidea; Theridiidae; Parasteatoda; Parasteatoda tepidariorum

UdeM00000026418 6596 240.4 UdeM00000026418 XP_045174281.1 53.6 233
103 2 1 232 1 229 3.50E-60 240.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000026419 225164 631.7 UdeM00000026419 XP_009046252.1 58.5
470 188 3 15 484 60 522 7.60E-178 631.7 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiidae; Lottia; Lottia gigantea

UdeM00000026424 29159 204.1 UdeM00000026424 XP_011413207.2 84.7 118
18 0 105 222 29 146 2.90E-49 204.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026426 29159 184.9 UdeM00000026426 XP_034312908.1 27.3 631
381 18 3 568 6 623 2.90E-43 184.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026427 29159 184.9 UdeM00000026427 XP_034312908.1 27.3 631
381 18 3 568 6 623 2.90E-43 184.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000026429 6596 1085.9 UdeM00000026429 XP_045174255.1 68.3
775 192 2 1 774 1 722 0.00E+00 1085.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026430 6596 237.7 UdeM00000026430 XP_045174258.1 49.8 261
122 5 2 258 5 260 1.80E-59 237.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026431 45264 118.2 UdeM00000026431 XP_044165535.1 47 115
61 0 238 352 356 470 2.10E-23 118.2 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000026432 6596 95.1 UdeM00000026432 XP_045177104.1 34.2 199
115 6 28 220 23 211 1.60E-16 95.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026433 6596 83.6 UdeM00000026433 XP_045177105.1 39 172
93 6 16 185 288 449 3.80E-13 83.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026434 6596 327 UdeM00000026434 XP_045176466.1 64.2 240
85 1 35 273 21 260 2.30E-86 327 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026435 6596 358.6 UdeM00000026435 XP_045176466.1 65 260
90 1 244 502 1 260 1.30E-95 358.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000026436 6565 546.2 UdeM00000026436 XP_022287414.1 67.5 391
 125 1 1 391 1 389 3.50E-152 546.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026437 6565 372.9 UdeM00000026437 XP_022287414.1 60.8 296
 106 2 1 296 1 286 4.00E-100 372.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026438 29159 653.3 UdeM00000026438 XP_034332830.1 35.4 1239
 396 19 33 1245 389 1248 6.40E-184 653.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026439 6596 758.4 UdeM00000026439 XP_045177245.1 47.8 808
 384 11 21 817 33 813 9.30E-216 758.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026440 6596 765.4 UdeM00000026440 XP_045177245.1 47.2 834
 396 13 10 830 11 813 7.70E-218 765.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026441 6596 4700.6 UdeM00000026441 XP_045177213.1 62.7
 3659 1286 23 22 3618 1093 4735 0.00E+00 4700.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026442 6596 292 UdeM00000026442 XP_045202904.1 68.1 191
 60 1 3 192 56 246 5.70E-76 292 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026445 6596 80.5 UdeM00000026445 XP_045202904.1 78.6 42
 9 0 14 55 151 192 1.20E-12 80.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026447 6596 820.8 UdeM00000026447 XP_045174738.1 83.2 501
 57 2 1 499 1 476 9.10E-235 820.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026448 6596 822.8 UdeM00000026448 XP_045174740.1 86.3 476
 63 1 1 474 1 476 2.30E-235 822.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026450 6596 467.2 UdeM00000026450 XP_045175187.1 61 374
144 2 2 374 4 376 2.00E-128 467.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026451 6596 234.2 UdeM00000026451 XP_045177131.1 42 274
144 3 292 558 8 273 4.10E-58 234.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026452 29159 202.2 UdeM00000026452 XP_011434731.2 46.9 239
112 4 4 237 16 244 7.70E-49 202.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026453 29159 456.8 UdeM00000026453 XP_034316400.1 74.8 282
71 0 1 282 42 323 2.00E-125 456.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026454 29159 470.7 UdeM00000026454 XP_034316400.1 74.8 290
73 0 59 348 34 323 1.60E-129 470.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000026455 6596 219.9 UdeM00000026455 XP_045176285.1 59.9 177
67 1 1 177 1 173 2.50E-54 219.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026456 6596 216.5 UdeM00000026456 XP_045176285.1 60.7 178
64 2 1 177 1 173 2.80E-53 216.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026457 6596 289.7 UdeM00000026457 XP_045181306.1 68.5 197
61 1 4 199 18 214 2.90E-75 289.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026458 6573 144.1 UdeM00000026458 XP_021345759.1 27.7 560
342 18 2 535 27 549 6.40E-31 144.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026459 6579 396.4 UdeM00000026459 XP_033751381.1 52.1 380
 171 4 187 559 210 585 6.20E-107 396.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026462 6596 149.1 UdeM00000026462 XP_045177095.1 44.2 156
 83 1 469 620 646 801 2.00E-32 149.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026464 6596 94.4 UdeM00000026464 XP_045177095.1 33.8 139
 87 2 176 313 668 802 2.90E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026465 225164 919.1 UdeM00000026465 XP_009051792.1 49.2
 926 362 4 1 821 88 1010 4.20E-264 919.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000026466 6596 610.1 UdeM00000026466 XP_045177141.1 58 541
 206 7 3 535 4 531 2.90E-171 610.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026467 29159 533.1 UdeM00000026467 XP_034307357.1 41.5 878
 379 15 602 1404 1038 1855 1.10E-147 533.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026468 6573 100.9 UdeM00000026468 XP_021351393.1 33.8 299
 149 11 241 522 277 543 7.30E-18 100.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026469 6565 424.5 UdeM00000026469 XP_022316735.1 93.1 218
 15 0 1 218 1 218 1.30E-115 424.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000026470 29159 311.6 UdeM00000026470 XP_011423431.2 46.5 409
 175 7 42 450 27 391 2.40E-81 311.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026471 6596 470.7 UdeM00000026471 XP_045176006.1 53.3 405
 183 3 8 407 346 749 2.00E-129 470.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026472 6596 423.7 UdeM00000026472 XP_045176006.1 53.5 361
 163 2 8 363 346 706 2.50E-115 423.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026473 6579 156 UdeM00000026473 XP_033751927.1 30.6 307
 164 6 20 279 36 340 7.30E-35 156 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026474 6596 186.4 UdeM00000026474 XP_045184616.1 35.9 281
 155 2 441 721 28 283 1.60E-43 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026475 6579 1154.8 UdeM00000026475 XP_033752273.1 50.7
 1220 213 1 777 1996 26 857 0.00E+00 1154.8 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026476 6596 456.8 UdeM00000026476 XP_045174246.1 52.9 495
 180 11 5 488 64 516 3.40E-125 456.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000026477 6573 852.4 UdeM00000026477 XP_021350365.1 69 578
 162 3 8 580 5 570 4.40E-244 852.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026478 6579 209.1 UdeM00000026478 XP_033752190.1 75.5 155
 38 0 1 155 1 155 4.00E-51 209.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000026479 29159 253.4 UdeM00000026479 XP_011446375.3 57.8 206
 87 0 9 214 414 619 2.50E-64 253.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000026480 6573 429.1 UdeM00000026480 XP_021345824.1 55.9 390
 157 3 12 393 59 441 6.10E-117 429.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026481 6526 297 UdeM00000026481 XP_013092019.1 94.4 142
 8 0 1 142 1 142 1.30E-77 297 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000026482 6500 258.5 UdeM00000026482 XP_035827730.1 45 280
148 2 17 290 26 305 1.10E-65 258.5 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000026483 6573 75.1 UdeM00000026483 XP_021357665.1 23.8 277
191 7 146 402 9 285 3.80E-10 75.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000026486 6565 63.2 UdeM00000026486 XP_022314409.1 28.8 177
74 4 1 125 1139 1315 2.80E-07 63.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026487 6565 115.9 UdeM00000026487 XP_022295839.1 62.2 98
36 1 79 176 48 144 5.20E-23 115.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000026488 6596 133.3 UdeM00000026488 XP_045176394.1 76.9 78
18 0 1 78 1 78 2.30E-28 133.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026489 6596 251.5 UdeM00000026489 XP_045174370.1 52.2 224
106 1 1 223 4 227 1.30E-63 251.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026490 6596 325.9 UdeM00000026490 XP_045176008.1 52.3 327
147 4 3 324 2 324 6.10E-86 325.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000026494 1735272 89.7 UdeM00000026494 XP_041375983.1 32.2
177 74 4 35 165 2508 2684 4.20E-15 89.7 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000026497 6579 154.5 UdeM00000026497 XP_033753302.1 67.3 101
33 0 1 101 1 101 7.50E-35 154.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000026498 1735272 115.9 UdeM00000026498 XP_041367377.1 62.1
87 32 1 3 89 2 87 2.60E-23 115.9 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000026499 6596 288.1 UdeM00000026499 XP_045175261.1 50.7 274
132 2 27 297 716 989 1.30E-74 288.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026500 6596 340.9 UdeM00000026500 XP_045175261.1 30.8 933
468 25 1 833 135 989 4.60E-90 340.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026501 6596 368.6 UdeM00000026501 XP_045175261.1 30.8 1006
508 26 20 925 72 989 2.30E-98 368.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026503 6596 428.3 UdeM00000026503 XP_045176475.1 57.4 399
134 3 1 368 1 394 9.70E-117 428.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026504 6596 276.2 UdeM00000026504 XP_045177414.1 52.8 305
113 8 17 313 832 1113 5.30E-71 276.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000026505 6573 1048.9 UdeM00000026505 XP_021345797.1 61.2
824 309 4 10 831 6 820 3.50E-303 1048.9 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026506 6573 1050 UdeM00000026506 XP_021345797.1 60.9 829
313 4 10 836 6 825 1.50E-303 1050 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000026508 6579 735.7 UdeM00000026508 XP_033752592.1 69.1 479
148 0 10 488 6 484 3.80E-209 735.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000026507 6573 294.7 UdeM00000026507 XP_021345797.1 50.6 322
147 5 2 320 515 827 1.50E-76 294.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026509 6596 670.6 UdeM00000026509 XP_045175115.1 62.4 583
 210 3 1 579 1 578 1.80E-189 670.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000026510 6573 744.2 UdeM00000026510 XP_021340687.1 85.6 411
 58 1 1 410 1 411 8.90E-212 744.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000026511 1735272 206.8 UdeM00000026511 XP_041366493.1 34.5
 354 211 6 42 389 25 363 4.90E-50 206.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000026513 6596 121.3 UdeM00000026513 XP_045176561.1 43.6 236
 94 7 19 219 1 232 2.60E-24 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000044287 6565 293.1 UdeM00000044287 XP_022293635.1 65.1 218
 76 0 58 275 58 275 4.10E-76 293.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006718 6596 162.2 UdeM00000006718 XP_045212344.1 61 123
 47 1 21 143 170 291 5.10E-37 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000006719 6596 252.3 UdeM00000006719 XP_045212344.1 44.5 283
 144 5 17 292 15 291 7.60E-64 252.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000006720 6596 219.5 UdeM00000006720 XP_045212344.1 42.4 271
 149 6 25 292 23 289 5.50E-54 219.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000006723 6596 2111.6 UdeM00000006723 XP_045214147.1 60.6
 2170 745 32 23 2129 169 2290 0.00E+00 2111.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006725 6596 413.7 UdeM00000006725 XP_045214151.1 48.1 422
195 4 5 403 15 435 3.60E-112 413.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006726 6596 797 UdeM00000006726 XP_045212126.1 49.6 939
353 13 10 841 64 989 2.40E-227 797 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006728 6573 263.8 UdeM00000006728 XP_021376357.1 49.6 258
125 3 3 257 251 506 5.60E-67 263.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006729 6565 247.7 UdeM00000006729 XP_022297409.1 38.5 330
198 5 1 327 82 409 2.10E-62 247.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006730 29159 366.7 UdeM00000006730 XP_034322771.1 33.4 682
298 12 6 654 24 582 6.20E-98 366.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006731 482537 246.5 UdeM00000006731 XP_008590618.1 32.2
429 247 7 613 1011 284 698 1.60E-61 246.5 482537

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Dermoptera;Cynocephalidae;Galeopterus;Galiopterus variegatus

UdeM00000006732 146911 354.4 UdeM00000006732 XP_015283557.1 33.9
581 340 11 275 853 52 590 4.50E-94 354.4 146911

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Gekkota;Gekkonidae;Gekkoninae;Gekko;Gekko japonicus

UdeM00000006733 29159 314.7 UdeM00000006733 XP_034312343.1 84.9 172
26 0 1 172 1 172 7.40E-83 314.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006734 6573 1472.6 UdeM00000006734 XP_021350588.1 66.3
1752 570 5 1 1737 238 1984 0.00E+00 1472.6 6573

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006735 6596 499.2 UdeM00000006735 XP_045214249.1 47.4 511
265 3 4 511 13 522 6.30E-138 499.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000006736 6596 453.8 UdeM00000006736 XP_045212556.1 50.7 517
223 12 6 491 14 529 2.90E-124 453.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000006737 6596 322 UdeM00000006737 XP_045212556.1 55.9 315
124 6 10 310 216 529 8.30E-85 322 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000006738 6596 505.4 UdeM00000006738 XP_045214444.1 48.9 611
237 11 55 627 64 637 1.10E-139 505.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000006740 6596 661.4 UdeM00000006740 XP_045212612.1 53.1 695
308 7 1 691 1 681 1.30E-186 661.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000006741 8355 221.1 UdeM00000006741 XP_041422762.1 31.2 538
323 11 99 627 801 1300 4.00E-54 221.1 8355 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoidea;Pipidae;Xenopodinae;Xenopus;Xenopus;Xenopus laevis
UdeM00000006742 189513 145.2 UdeM00000006742 XP_044728352.1 24.2
690 378 20 210 850 557 1150 3.80E-31 145.2 189513
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Neuropterida;Neoptera;Hemerobiiiformia;Chrysopidae;Chrysopinae;Chrysoperla;Chrysoperla carnea
UdeM00000006743 189513 145.2 UdeM00000006743 XP_044728352.1 24.2
690 378 20 217 857 557 1150 3.80E-31 145.2 189513
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Neuropterida;Neoptera;Hemerobiiiformia;Chrysopidae;Chrysopinae;Chrysoperla;Chrysoperla carnea
UdeM00000006744 6596 159.5 UdeM00000006744 XP_045200918.1 23.1 850
546 31 3 811 1982 2764 1.90E-35 159.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006745 6596 95.1 UdeM00000006745 XP_045202508.1 28.2 273
168 10 7 256 227 494 1.60E-16 95.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006746 6596 103.2 UdeM00000006746 XP_045200918.1 22.8 517
293 18 2 481 1247 1694 1.00E-18 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006747 6596 179.5 UdeM00000006747 XP_045202508.1 25.1 874
567 33 164 1008 943 1757 2.20E-41 179.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006748 6596 179.5 UdeM00000006748 XP_045202508.1 25.1 874
567 33 177 1021 943 1757 2.20E-41 179.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006749 6596 541.2 UdeM00000006749 XP_045212425.1 60.5 478
177 5 1 471 1 473 1.30E-150 541.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006750 6500 317.4 UdeM00000006750 XP_012938994.2 51.5 301
146 0 34 334 69 369 2.30E-83 317.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000006751 6596 258.1 UdeM00000006751 XP_045213765.1 82 150
25 1 1 150 15 162 1.20E-65 258.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006752 6596 224.2 UdeM00000006752 XP_045211580.1 62.4 173
64 1 36 207 30 202 1.60E-55 224.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006753 29159 285.8 UdeM00000006753 XP_011454365.2 62.9 224
81 2 1 222 1 224 4.70E-74 285.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006754 6596 119 UdeM00000006754 XP_045180427.1 48.7 115
57 1 78 190 159 273 6.80E-24 119 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006755 6573 94 UdeM00000006755 XP_021365625.1 52.9 87
41 0 29 115 40 126 1.80E-16 94 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006757 1735272 540.8 UdeM00000006757 XP_041363490.1 50.2
611 178 13 97 696 117 612 3.10E-150 540.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000006758 1735272 172.6 UdeM00000006758 XP_041363491.1 48.4
188 90 3 1 183 1 186 4.80E-40 172.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000006759 6500 627.5 UdeM00000006759 XP_005108504.1 83 358
58 3 1 357 1 356 1.30E-176 627.5 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000006760 6596 543.1 UdeM00000006760 XP_045211200.1 76.8 341
73 2 1 341 1 335 2.50E-151 543.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006761 6596 518.1 UdeM00000006761 XP_045211016.1 49.1 560
244 10 22 552 13 560 1.40E-143 518.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006762 6596 507.7 UdeM00000006762 XP_045172969.1 52.9 499
209 5 25 500 17 512 1.70E-140 507.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006763 1735272 944.9 UdeM00000006763 XP_041364910.1 61.1
858 282 18 1 829 79 913 6.90E-272 944.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000006764 1735272 969.9 UdeM00000006764 XP_041362874.1 49.6
953 445 10 1 928 1 943 2.40E-279 969.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000006765 29159 840.1 UdeM00000006765 XP_034311703.1 77.8 549
108 4 1 545 538 1076 1.80E-240 840.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006766 6573 204.5 UdeM00000006766 XP_021380113.1 85.1 114
17 0 1 114 516 629 7.40E-50 204.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006767 6596 678.7 UdeM00000006767 XP_045210796.1 77.9 439
88 3 1 438 41 471 5.00E-192 678.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006768 6500 220.3 UdeM00000006768 XP_005092919.1 55.8 181
80 0 2 182 5 185 2.00E-54 220.3 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000006769 6596 958 UdeM00000006769 XP_045213581.1 82.7 584
97 2 14 596 15 595 5.90E-276 958 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006770 6596 901.4 UdeM00000006770 XP_045214159.1 74.5 581
146 2 81 659 580 1160 7.00E-259 901.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006771 6596 568.2 UdeM00000006771 XP_045212280.1 92 299
24 0 1 299 1 299 6.40E-159 568.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006772 400727 283.9 UdeM00000006772 XP_025084469.1 58
243 100 2 10 250 14 256 2.00E-73 283.9 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000006773 6579 373.2 UdeM00000006773 XP_033739650.1 49.1 375
173 6 1 363 4 372 3.70E-100 373.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006774 6596 1674.4 UdeM00000006774 XP_045212515.1 54.1
1700 729 16 1 1682 34 1699 0.00E+00 1674.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006775 6573 450.3 UdeM00000006775 XP_021372707.1 55.7 465
169 12 4 461 32 466 3.00E-123 450.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006776 400727 327 UdeM00000006776 XP_025095209.1 63.2
269 91 2 19 286 11 272 3.10E-86 327 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000006777 6596 976.9 UdeM00000006777 XP_045214239.1 54.9 878
386 6 7 876 8 883 1.70E-281 976.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006779 6579 369 UdeM00000006779 XP_033739401.1 74 246
49 8 1 236 1 241 4.50E-99 369 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006780 10224 94.4 UdeM00000006780 XP_006814936.1 35.8 151
92 3 49 194 94 244 1.80E-16 94.4 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000006781 6596 780 UdeM00000006781 XP_045177368.1 47.2 815
400 9 33 840 37 828 3.00E-222 780 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006784 6596 136.3 UdeM00000006784 XP_045199098.1 35.4 189
115 2 7 188 18 206 1.20E-28 136.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006785 6596 475.3 UdeM00000006785 XP_045213874.1 61.8 359
129 1 6 356 455 813 6.80E-131 475.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006786 6596 175.3 UdeM00000006786 XP_045213874.1 59.1 137
 48 1 3 131 455 591 5.30E-41 175.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006787 46514 297 UdeM00000006787 XP_038047233.1 64.2 204
 73 0 8 211 150 353 2.00E-77 297 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000006788 6596 575.9 UdeM00000006788 XP_045191482.1 55 505
 225 1 462 964 110 614 9.90E-161 575.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006789 46514 342 UdeM00000006789 XP_038047233.1 67 227
 75 0 24 250 130 356 6.20E-91 342 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000006790 7574 414.1 UdeM00000006790 XP_013411173.1 60.1 321
 111 1 38 358 73 376 1.90E-112 414.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000006791 29159 368.6 UdeM00000006791 XP_011425832.2 55.1 361
 154 4 6 365 4 357 9.10E-99 368.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006793 6596 330.5 UdeM00000006793 XP_045211394.1 58.3 290
 117 2 10 299 8 293 2.30E-87 330.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006794 6596 96.7 UdeM00000006794 XP_045202117.1 58.7 75
 31 0 17 91 1 75 1.80E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006795 6596 90.5 UdeM00000006795 XP_045194227.1 58.7 63
 26 0 2 64 16 78 8.70E-16 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006796 1735272 209.1 UdeM00000006796 XP_041362970.1 50.2
 321 115 17 1 294 1 303 7.40E-51 209.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000006797 6596 365.2 UdeM00000006797 XP_045212253.1 58.5 289
109 3 1 283 63 346 8.90E-98 365.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000006798 46514 89 UdeM00000006798 XP_038060036.1 36.5 222
116 5 18 220 56 271 8.50E-15 89 46514 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; Asterinidae; Patiria; Patiria miniata

UdeM00000006799 6596 171 UdeM00000006799 XP_045213212.1 39.8 246
135 6 1 243 1 236 1.80E-39 171 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000006800 1735272 446.4 UdeM00000006800 XP_041362283.1 69.4
310 94 1 7 316 12 320 3.00E-122 446.4 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000006801 151771 194.5 UdeM00000006801 XP_028408207.1 32.5
388 184 6 5 323 108 486 2.10E-46 194.5 151771
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Octocorallia; Alcyonacea; Alcyoniina; Nephtheidae; Dendronephthya; Dendronephthya gigantea

UdeM00000006803 1735272 479.6 UdeM00000006803 XP_041362509.1 48.9
511 228 8 11 515 5 488 5.20E-132 479.6 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000006804 6596 521.9 UdeM00000006804 XP_045214247.1 44.1 735
405 5 5 735 5 737 1.30E-144 521.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000006805 6596 269.6 UdeM00000006805 XP_045214247.1 35.4 545
346 5 5 545 5 547 8.60E-69 269.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000006806 6579 95.9 UdeM00000006806 XP_033747905.1 48.2 112
55 1 1 112 1 109 3.60E-17 95.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000006807 1735272 258.5 UdeM00000006807 XP_041363113.1 29.7
 2001 869 64 1 1954 1 1510 7.10E-65 258.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000006809 225164 330.1 UdeM00000006809 XP_009056107.1 45.6
 388 190 8 34 402 144 529 4.00E-87 330.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000006810 6596 239.2 UdeM00000006810 XP_045156951.1 49 239
 104 6 36 266 3 231 7.00E-60 239.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006811 6596 67.8 UdeM00000006811 XP_045214125.1 27.6 170
 115 3 1 163 723 891 2.80E-08 67.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006812 6596 238.8 UdeM00000006812 XP_045156951.1 49.6 234
 110 5 4 234 3 231 8.20E-60 238.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006813 6579 1293.5 UdeM00000006813 XP_033754776.1 31.9
 3211 1908 96 29 3078 2972 6065 0.00E+00 1293.5 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006814 6565 427.6 UdeM00000006814 XP_022313289.1 29.1 1310
 731 31 101 1368 113 1266 6.30E-116 427.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006815 6565 195.7 UdeM00000006815 XP_022313289.1 36.1 368
 219 8 25 384 704 1063 1.10E-46 195.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006816 6596 231.1 UdeM00000006816 XP_045210925.1 32 528
 339 10 101 628 146 653 3.90E-57 231.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006817 29159 358.6 UdeM00000006817 XP_034314746.1 35.6 700
 287 16 5 694 18 563 1.80E-95 358.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006818 6526 153.3 UdeM00000006818 XP_013084201.1 25.7 544
338 16 1 514 95 602 8.50E-34 153.3 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata
UdeM00000006819 6573 171.4 UdeM00000006819 XP_021348966.1 54.9 348
132 7 17 346 25 365 2.00E-39 171.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006820 6596 193 UdeM00000006820 XP_045211972.1 35.3 334
200 5 3 320 278 611 6.20E-46 193 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000006821 6596 176 UdeM00000006821 XP_045211972.1 35.6 295
159 4 91 378 340 610 8.90E-41 176 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000006822 29159 90.5 UdeM00000006822 XP_034323288.1 32.9 149
96 3 1 148 136 281 2.50E-15 90.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006823 6596 137.5 UdeM00000006823 XP_045211972.1 32.6 301
154 7 52 337 344 610 3.30E-29 137.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000006824 6596 79.3 UdeM00000006824 XP_045211972.1 32.5 123
82 1 19 140 375 497 4.30E-12 79.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000006825 6596 201.8 UdeM00000006825 XP_045211972.1 39.1 307
179 5 2 300 304 610 1.30E-48 201.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria
UdeM00000006826 6596 244.6 UdeM00000006826 XP_045212182.1 40.1 384
173 10 5 376 435 773 2.90E-61 244.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006828	6596	1093.6	UdeM00000006828	XP_045212182.1	64				
862	269	11	465	1317	1081	1910	0.00E+00	1093.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006829	6579	404.8	UdeM00000006829	XP_033737248.1	39.6	727			
275	22	2	713	17	594	2.20E-109	404.8	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006831	7936	67.8	UdeM00000006831	XP_035253181.1	43.3	104			
56	2	1	102	307	409	9.70E-09	67.8	7936	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;Elopocephala;Anguilliformes;Anguillidae;Anguilla;Anguilla anguilla

UdeM00000006832	6565	127.1	UdeM00000006832	XP_022329607.1	31.4	239			
145	7	43	265	3	238	3.50E-26	127.1	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006834	6579	136	UdeM00000006834	XP_033741823.1	33.8	266			
153	7	19	269	8	265	8.00E-29	136	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006833	6579	134.8	UdeM00000006833	XP_033741823.1	33.6	247			
142	6	58	290	27	265	1.90E-28	134.8	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006835	6596	218.8	UdeM00000006835	XP_045212182.1	66.9	169			
35	1	25	172	1729	1897	5.60E-54	218.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006836	6579	390.2	UdeM00000006836	XP_033737248.1	39.5	701			
262	20	44	729	41	594	5.80E-105	390.2	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006838	6596	167.2	UdeM00000006838	XP_045210520.1	41.4	232			
118	6	3	227	21	241	2.70E-38	167.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006837	6573	421	UdeM00000006837	XP_021379447.1	35.7	821			
394	16	7	783	13	743	3.30E-114	421	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006839 6596 412.5 UdeM00000006839 XP_045210518.1 35.5 819
380 19 190 907 41 812 1.40E-111 412.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006840 6573 274.2 UdeM00000006840 XP_021367335.1 45.1 315
170 1 10 324 26 337 2.20E-70 274.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006841 6573 86.3 UdeM00000006841 XP_021350053.1 85.4 48
7 0 1 48 1 48 2.50E-14 86.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006842 6596 202.2 UdeM00000006842 XP_045211177.1 48.5 200
93 3 1 195 196 390 6.40E-49 202.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006843 6596 97.1 UdeM00000006843 XP_045214519.1 38.1 155
87 3 7 159 7 154 2.30E-17 97.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006844 6596 283.9 UdeM00000006844 XP_045214688.1 60.2 236
92 1 5 240 4 237 1.90E-73 283.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006845 6579 1062 UdeM00000006845 XP_033738729.1 65.3 935
315 5 1 928 13 945 4.50E-307 1062 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000006847 6579 223 UdeM00000006847 XP_033738751.1 62.3 162
60 1 12 173 151 311 3.00E-55 223 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000006846 6573 481.1 UdeM00000006846 XP_021358383.1 72.8 312
84 1 1 312 1 311 1.10E-132 481.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000006848 6573 483.8 UdeM00000006848 XP_021358384.1 72.1 312
86 1 1 312 1 311 1.70E-133 483.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006849 6579 805.4 UdeM00000006849 XP_033738738.1 75 504
122 2 1 503 1 501 5.50E-230 805.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006850 6596 1606.3 UdeM00000006850 XP_045212306.1 74.1
1068 227 6 24 1047 31 1092 0.00E+00 1606.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006851 6596 319.7 UdeM00000006851 XP_045213496.1 63.5 266
85 6 1 259 1 261 3.40E-84 319.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006852 6596 292.4 UdeM00000006852 XP_045214740.1 43.9 417
192 10 1 404 96 483 9.10E-76 292.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006853 6596 60.1 UdeM00000006853 XP_045214753.1 31.1 106
70 2 42 144 108 213 4.50E-06 60.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006854 37653 490.7 UdeM00000006854 XP_014784610.1 56.7 413
167 3 1 402 1 412 1.80E-135 490.7 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000006855 37653 496.5 UdeM00000006855 XP_014784610.1 57.1 413
165 3 1 402 1 412 3.20E-137 496.5 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000006857 6596 74.7 UdeM00000006857 XP_045214753.1 40.3 77
46 0 2 78 13 89 1.30E-10 74.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006860 6579 1214.1 UdeM00000006860 XP_033743617.1 66.9
852 267 2 15 865 22 859 0.00E+00 1214.1 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006861 37653 120.9 UdeM00000006861 XP_014777927.1 65.6 93
32 0 162 254 201 293 2.30E-24 120.9 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000006862 6596 127.9 UdeM00000006862 XP_045210982.1 33.2 401
158 12 1 311 1 381 2.30E-26 127.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006863 6596 6637.4 UdeM00000006863 XP_045214409.1 80.3
4089 771 13 1 4063 1 4080 0.00E+00 6637.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006864 6596 220.7 UdeM00000006864 XP_045214408.1 66 144
49 0 1 144 1 144 1.20E-54 220.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006865 6596 220.3 UdeM00000006865 XP_045214408.1 66 144
49 0 2 145 1 144 1.60E-54 220.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006866 6596 199.9 UdeM00000006866 XP_045214407.1 61.1 144
55 1 1 144 1 143 2.20E-48 199.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006868 1735272 248.1 UdeM00000006868 XP_041364648.1 56
200 81 1 4 203 11 203 9.90E-63 248.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000006869 6579 703.7 UdeM00000006869 XP_033736515.1 45.1 894
432 18 1 870 1 859 4.30E-199 703.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006870 6565 173.7 UdeM00000006870 XP_022328239.1 25.9 835
488 25 11 837 5 716 1.00E-39 173.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006871 6596 197.2 UdeM00000006871 XP_045213576.1 27.8 715
 395 21 1 710 1 599 8.10E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006872 29159 531.9 UdeM00000006872 XP_011437055.1 84.6 306
 46 1 1 305 1 306 5.30E-148 531.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000006873 6596 310.1 UdeM00000006873 XP_045213440.1 70.7 222
 62 3 200 419 102 322 4.40E-81 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006874 6596 619.8 UdeM00000006874 XP_045213441.1 56.6 583
 235 9 9 586 11 580 3.70E-174 619.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006875 6573 697.2 UdeM00000006875 XP_021363404.1 62.3 544
 202 3 64 605 78 620 2.00E-197 697.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006876 6596 144.1 UdeM00000006876 XP_045213443.1 49.4 154
 73 4 26 179 25 173 3.50E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006878 6596 205.7 UdeM00000006878 XP_045213455.1 52.4 212
 82 5 18 210 23 234 9.10E-50 205.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006877 6596 179.5 UdeM00000006877 XP_045213455.1 49 198
 82 5 53 231 37 234 7.50E-42 179.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006879 6596 295.4 UdeM00000006879 XP_045213454.1 31.8 628
 353 16 12 610 20 601 1.60E-76 295.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000006880 6596 378.6 UdeM00000006880 XP_045212127.1 57.2 313
 132 1 1 313 1 311 7.60E-102 378.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006881 6596 569.7 UdeM00000006881 XP_045213422.1 76 362
79 3 29 388 1 356 2.90E-159 569.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006883 6579 138.7 UdeM00000006883 XP_033752673.1 58.7 104
43 0 1 104 339 442 5.20E-30 138.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006884 6596 580.9 UdeM00000006884 XP_045210822.1 50.6 544
263 4 36 577 39 578 1.80E-162 580.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006885 6596 120.2 UdeM00000006885 XP_045210822.1 43.6 133
74 1 36 168 39 170 2.80E-24 120.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006886 6579 262.7 UdeM00000006886 XP_033756756.1 39.6 338
184 5 69 392 26 357 7.60E-67 262.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006888 6596 324.3 UdeM00000006888 XP_045211105.1 56.3 323
118 4 1 300 169 491 2.20E-85 324.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006889 6573 432.2 UdeM00000006889 XP_021373046.1 58.8 342
123 3 6 344 4 330 6.30E-118 432.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006890 6596 976.1 UdeM00000006890 XP_045211641.1 76.4 597
139 2 1 596 1 596 2.00E-281 976.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006891 6596 1462.2 UdeM00000006891 XP_045211641.1 80.1
890 168 5 2 890 611 1492 0.00E+00 1462.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006892 6596 110.5 UdeM00000006892 XP_045212895.1 66.3 86
 28 1 30 115 23 107 1.50E-21 110.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006893 6596 649.8 UdeM00000006893 XP_045212895.1 65.2 523
 156 4 30 529 23 542 2.90E-183 649.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006894 6596 360.5 UdeM00000006894 XP_045212894.1 57.8 277
 117 0 8 284 7 283 1.90E-96 360.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006895 6579 142.5 UdeM00000006895 XP_033735308.1 32.5 419
 215 9 1 415 1 355 1.50E-30 142.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006896 6596 340.5 UdeM00000006896 XP_045214995.1 50 340
 166 3 20 358 23 359 2.70E-90 340.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006897 6596 340.5 UdeM00000006897 XP_045214995.1 49.7 340
 167 3 49 387 23 359 2.90E-90 340.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006898 6596 303.5 UdeM00000006898 XP_045213253.1 63.9 230
 83 0 6 235 13 242 2.30E-79 303.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006899 6596 329.3 UdeM00000006899 XP_045213763.1 51.5 334
 126 6 1 315 1 317 5.30E-87 329.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006900 218467 216.5 UdeM00000006900 XP_023220759.1 51.3
 224 107 2 6 228 451 673 3.60E-53 216.5 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Scorpiones; Buthida; Buthoidea; Buthidae; Centruroides; Centruroides sculpturatus
UdeM00000006901 218467 252.3 UdeM00000006901 XP_023220759.1 51.6
250 120 1 6 255 121 369 6.90E-64 252.3 218467
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Scorpiones; Buthida; Buthoidea; Buthidae; Centruroides; Centruroides sculpturatus
UdeM00000006903 6596 666 UdeM00000006903 XP_045164800.1 59.4 498
201 1 27 524 42 538 3.90E-188 666 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000006902 6596 666 UdeM00000006902 XP_045164800.1 59.4 498
201 1 36 533 42 538 4.00E-188 666 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000030747 6596 582.4 UdeM00000030747 XP_045176360.1 53 628
264 9 1 607 1 618 6.70E-163 582.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000030748 6596 1028.5 UdeM00000030748 XP_045169805.1 63.5
904 230 7 39 936 681 1490 5.40E-297 1028.5 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000030749 1735272 321.2 UdeM00000030749 XP_041367343.1 67.7
223 72 0 195 417 344 566 2.10E-84 321.2 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis
UdeM00000030750 6596 466.1 UdeM00000030750 XP_045169805.1 67.9 330
100 4 19 345 13 339 4.10E-128 466.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000030752 6596 76.3 UdeM00000030752 XP_045170263.1 72.3 47
13 0 117 163 304 350 4.20E-11 76.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000030751 6596 473 UdeM00000030751 XP_045170263.1 72.6 299
81 1 117 415 304 601 4.50E-130 473 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030753 6573 265 UdeM00000030753 XP_021375143.1 50.1 375
148 16 15 369 73 428 1.50E-67 265 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030754 6596 392.5 UdeM00000030754 XP_045167949.1 44.7 510
264 11 41 537 6 510 8.60E-106 392.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030755 6573 229.2 UdeM00000030755 XP_021342550.1 45.4 269
142 3 4 272 240 503 6.40E-57 229.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030757 7574 89 UdeM00000030757 XP_013388573.1 43 107
61 0 1 107 795 901 4.70E-15 89 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030758 7574 161.8 UdeM00000030758 XP_013388573.1 40.4 203
121 0 2 204 699 901 1.00E-36 161.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030759 7574 161.4 UdeM00000030759 XP_013388573.1 37.5 288
151 12 96 377 349 613 2.30E-36 161.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030760 29159 305.1 UdeM00000030760 XP_034339171.1 29.6 760
472 19 25 755 13 738 2.50E-79 305.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030761 29159 151 UdeM00000030761 XP_034339171.1 49 149
74 1 25 171 13 161 1.50E-33 151 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030764 6565 207.2 UdeM00000030764 XP_022306399.1 36 378
222 10 118 488 167 531 6.80E-50 207.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000030766 6596 242.3 UdeM00000030766 XP_045167682.1 90.3 124
12 0 385 508 14 137 1.40E-60 242.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030767 6596 1274.2 UdeM00000030767 XP_045168361.1 69
942 230 7 1383 2287 1570 2486 0.00E+00 1274.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030768 6596 1217.2 UdeM00000030768 XP_045168361.1 69.7
890 206 7 65 914 1621 2486 0.00E+00 1217.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030769 6596 150.2 UdeM00000030769 XP_045167403.1 31.5 295
194 4 24 317 35 322 4.80E-33 150.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030770 6596 671 UdeM00000030770 XP_045170504.1 60.8 572
200 6 324 881 397 958 2.10E-189 671 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030771 6596 420.2 UdeM00000030771 XP_045167982.1 51.9 405
178 9 22 419 20 414 3.00E-114 420.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030772 6596 341.3 UdeM00000030772 XP_045169151.1 72.7 216
59 0 1 216 140 355 9.20E-91 341.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030773 6596 344 UdeM00000030773 XP_045169151.1 72.8 217
59 0 2839 3055 139 355 2.00E-90 344 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030773 6596 219.5 UdeM00000030773 XP_045169151.1 74.1 139
35 1 1 139 1 138 5.70E-53 219.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030774 6596 220.3 UdeM00000030774 XP_045169151.1 74.1 139
35 1 1 139 1 138 1.60E-54 220.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030775 6596 536.6 UdeM00000030775 XP_045169151.1 71.1 356
102 1 1 356 1 355 2.40E-149 536.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030776 6596 73.2 UdeM00000030776 XP_045208478.1 27.1 288
173 10 34 313 89 347 6.80E-10 73.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030777 6573 229.2 UdeM00000030777 XP_021376410.1 50.9 222
104 3 35 255 64 281 6.10E-57 229.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030778 6573 229.6 UdeM00000030778 XP_021376410.1 50.9 222
104 3 17 237 64 281 4.40E-57 229.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030779 6596 370.5 UdeM00000030779 XP_045169901.1 41.7 521
281 6 22 527 14 526 3.50E-99 370.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030780 6596 124 UdeM00000030780 XP_045169901.1 38.6 176
102 3 8 181 5 176 2.10E-25 124 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030781 6596 353.2 UdeM00000030781 XP_045169901.1 40.2 510
289 7 8 511 5 504 5.80E-94 353.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030782 29159 357.1 UdeM00000030782 XP_034338648.1 39.7 448
264 4 4 447 19 464 3.40E-95 357.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030783 6596 363.6 UdeM00000030783 XP_045169901.1 40.6 512
284 8 8 511 5 504 4.30E-97 363.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030785 6596 254.6 UdeM00000030785 XP_045169596.1 48.9 262
 134 0 1 262 81 342 1.40E-64 254.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030788 1735272 267.7 UdeM00000030788 XP_041366524.1 28.3
 699 441 20 13 675 9 683 4.00E-68 267.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030789 1735272 274.6 UdeM00000030789 XP_041366524.1 28.5
 699 448 19 13 683 9 683 3.30E-70 274.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030790 6596 278.9 UdeM00000030790 XP_045170144.1 52.9 293
 129 6 1 291 1 286 8.80E-72 278.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030791 6596 94.4 UdeM00000030791 XP_045168472.1 31.6 405
 217 11 33 430 343 694 3.90E-16 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030792 37621 195.7 UdeM00000030792 XP_014670792.1 63.7 135
 48 1 1 134 55 189 4.10E-47 195.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000030794 6596 482.3 UdeM00000030794 XP_045168470.1 66.8 358
 109 1 4 351 8 365 5.70E-133 482.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030795 6596 501.1 UdeM00000030795 XP_045168473.1 58.6 415
 167 3 2 414 3 414 1.30E-138 501.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030796 6596 415.2 UdeM00000030796 XP_045167780.1 41 534
 293 8 840 1356 10 538 3.70E-112 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030797 6596 415.2 UdeM00000030797 XP_045167780.1 41 534
 293 8 841 1357 10 538 3.70E-112 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030798 6596 861.3 UdeM00000030798 XP_045167893.1 57.8 907
 302 22 310 1149 133 1025 2.10E-246 861.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030799 6596 755.4 UdeM00000030799 XP_045167893.1 57.3 820
 269 22 16 768 220 1025 1.20E-214 755.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030800 29159 95.9 UdeM00000030800 XP_034310305.1 66.7 72
 21 1 4 72 943 1014 1.90E-16 95.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030801 6596 443 UdeM00000030801 XP_045170262.1 64.8 335
 114 2 2 333 25 358 3.40E-121 443 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030802 6596 370.5 UdeM00000030802 XP_045170262.1 55.1 325
 138 2 13 331 36 358 2.20E-99 370.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030804 6596 328.2 UdeM00000030804 XP_045187824.1 43.2 424
 203 6 9 427 6 396 1.60E-86 328.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030805 6596 274.6 UdeM00000030805 XP_045187824.1 39.3 417
 183 6 9 381 6 396 1.90E-70 274.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030806 6596 128.3 UdeM00000030806 XP_045168564.1 44.7 132
 69 2 63 190 58 189 1.70E-26 128.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030809	125878	116.3	UdeM00000030809	XP_018411826.1	30.9				
230	147	4	48	277	4	221	8.80E-23	116.3	125878

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatrachia;Ranoidea;Dicroglossidae;Dicroglossinae;Nanorana;Nanorana parkeri

UdeM00000030810	8005	111.3	UdeM00000030810	XP_026867604.2	32.9	216			
131	6	6	218	8	212	2.50E-21	111.3	8005	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnotoidei;Gymnotidae;Electrophorus;Electrophorus electricus

UdeM00000030811	8005	117.5	UdeM00000030811	XP_026867604.2	29.8	309			
195	10	6	306	8	302	3.10E-23	117.5	8005	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnotoidei;Gymnotidae;Electrophorus;Electrophorus electricus

UdeM00000030812	55291	115.5	UdeM00000030812	XP_039601029.1	31	242			
151	7	5	241	28	258	1.40E-22	115.5	55291	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Cladistia;Polypteriformes;Polypteridae;Polypterus;Polypterus senegalus

UdeM00000030813	7955	109.8	UdeM00000030813	XP_694444.6	32	219	127	
8	7	225	9	205	7.50E-21	109.8	7955	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinoidei;Danionidae;Danioninae;Danio;Danio rerio

UdeM00000030814	6596	113.2	UdeM00000030814	XP_045185318.1	28.6	419			
247	12	1	405	1	381	7.70E-22	113.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000030815	10224	193.4	UdeM00000030815	XP_006822101.1	43.7	229			
118	2	1	229	243	460	4.20E-46	193.4	10224	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000030816	10224	59.7	UdeM00000030816	XP_006824625.1	33	88			
59	0	24	111	101	188	2.80E-06	59.7	10224	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000030817	6565	370.9	UdeM00000030817	XP_022308808.1	66.3	264			
85	1	5	268	463	722	1.30E-99	370.9	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000030818 50429 159.8 UdeM00000030818 XP_022808032.1 47.8 157
78 2 1 153 556 712 5.70E-36 159.8 50429 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata
UdeM00000030822 1735272 548.9 UdeM00000030822 XP_041347279.1 36
885 418 11 471 1210 1 882 1.60E-152 548.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000030823 6579 292.7 UdeM00000030823 XP_033761799.1 60.4 240
84 2 1 230 1 239 4.00E-76 292.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000030824 6596 322.8 UdeM00000030824 XP_045167981.1 69.4 229
69 1 5 233 2 229 3.60E-85 322.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030825 1232801 104.4 UdeM00000030825 XP_043215542.1 58.3
84 35 0 1 84 46 129 8.30E-20 104.4 1232801
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanid
ae;Amphibalanus;Amphibalanus amphitrite
UdeM00000030826 6412 79.3 UdeM00000030826 XP_009012646.1 60.3 63
25 0 1 63 1 63 2.30E-12 79.3 6412 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
ssiphoniidae;Helobdella;Helobdella robusta
UdeM00000030827 6596 196.8 UdeM00000030827 XP_045168208.1 45.6 204
108 2 6 207 560 762 3.80E-47 196.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030828 6596 648.3 UdeM00000030828 XP_045168208.1 57.1 527
222 2 2 525 34 559 8.50E-183 648.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030829 6596 172.6 UdeM00000030829 XP_045168208.1 41.8 201
113 2 2 199 34 233 5.40E-40 172.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030830 6596 1727.6 UdeM00000030830 XP_045167828.1 37.3
7356 1688 63 1098 6571 3431 9743 0.00E+00 1727.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030831 6596 2028.1 UdeM00000030831 XP_045167828.1 63.4
1435 505 7 18 1445 36 1457 0.00E+00 2028.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030832 6596 1996.5 UdeM00000030832 XP_045167828.1 62.7
1435 500 8 18 1430 36 1457 0.00E+00 1996.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030833 6596 4137 UdeM00000030833 XP_045167828.1 46.4
10224 2840 96 14 8105 32 9743 0.00E+00 4137 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030834 29159 204.1 UdeM00000030834 XP_011413207.2 84.7 118
18 0 105 222 29 146 2.90E-49 204.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030837 6596 641.3 UdeM00000030837 XP_045168651.1 58.3 569
199 2 77 608 47 614 1.20E-180 641.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030839 6579 71.2 UdeM00000030839 XP_033758230.1 49.2 63
32 0 1 63 634 696 8.30E-10 71.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000030841 6596 426 UdeM00000030841 XP_045169752.1 39 589
327 7 6 565 3 588 7.40E-116 426 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030842 225164 825.9 UdeM00000030842 XP_009049129.1 45.9
852 416 12 13 854 20 836 4.90E-236 825.9 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000030843 6596 440.3 UdeM00000030843 XP_045168527.1 56.5 391
149 6 11 395 18 393 2.70E-120 440.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030844 6596 428.7 UdeM00000030844 XP_045168527.1 53.2 408
170 6 30 431 1 393 8.80E-117 428.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030845 6596 429.9 UdeM00000030845 XP_045168527.1 53.5 398
174 5 12 404 1 392 3.70E-117 429.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030846 6596 435.3 UdeM00000030846 XP_045168527.1 56.3 391
159 5 6 392 11 393 8.50E-119 435.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030847 6596 436 UdeM00000030847 XP_045168527.1 56.3 391
159 5 14 400 11 393 5.10E-119 436 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000030848 77115 70.1 UdeM00000030848 XP_038144245.1 44.4 72
40 0 1 72 315 386 1.30E-09 70.1 77115 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinod
ontini;Cyprinodon;Cyprinodon tularosa
UdeM00000010153 7574 264.6 UdeM00000010153 XP_013421860.1 49.3 282
131 4 3 278 4 279 1.40E-67 264.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000010154 7574 236.9 UdeM00000010154 XP_013409676.1 50.7 268
115 5 1 261 1 258 3.00E-59 236.9 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000010155 7574 526.6 UdeM00000010155 XP_013382110.1 48.9 522
 252 5 14 534 45 552 4.10E-146 526.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000010156 30023 65.5 UdeM00000010156 XP_017127385.1 35.5 110
 65 2 22 131 68 171 1.00E-07 65.5 30023 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscom
 orpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Ephydroidea;Drosop
 hilidae;Drosophilinae;Drosophilini;Drosophila;Sophophora;melanogaster
 group;elegans subgroup;Drosophila elegans
 UdeM00000010157 125878 73.2 UdeM00000010157 XP_018429758.1 38.3
 94 55 2 14 107 100 190 3.50E-10 73.2 125878
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr
 achia;Ranoidea;Dicroglossidae;Dicroglossinae;Nanorana;Nanorana parkeri
 UdeM00000010158 7913 68.9 UdeM00000010158 XP_041101535.1 46.2 65
 34 1 1 65 275 338 9.30E-09 68.9 7913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidei;Polyod
 ontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula
 UdeM00000010159 6596 214.2 UdeM00000010159 XP_045196404.1 37.1 315
 180 6 345 646 480 789 5.00E-52 214.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010160 6596 214.2 UdeM00000010160 XP_045196404.1 37.1 315
 180 6 146 447 480 789 3.50E-52 214.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010161 225164 118.6 UdeM00000010161 XP_009062103.1 30.5
 190 131 1 1 189 1 190 9.50E-24 118.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010162 7574 111.7 UdeM00000010162 XP_013404178.2 32.8 201
 118 4 19 206 21 217 1.10E-21 111.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000010163 225164 107.5 UdeM00000010163 XP_009062103.1 31
 200 134 3 1 198 1 198 2.20E-20 107.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000010165 72036 198.7 UdeM00000010165 XP_040576246.1 48.2 193
99 1 2 193 191 383 7.30E-48 198.7 72036 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Hexanauplia; Copepoda; Neocopepoda; Podoplea; Siphonostomatoida; Caligidae; Lepeophtheirus; Lepeophtheirus salmonis

UdeM00000010166 225164 111.3 UdeM00000010166 XP_009062103.1 32
200 132 3 1 198 1 198 1.50E-21 111.3 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000010167 225164 113.2 UdeM00000010167 XP_009062103.1 31.8
198 133 2 1 196 1 198 4.00E-22 113.2 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000010169 72036 197.6 UdeM00000010169 XP_040576246.1 47.7 193
100 1 2 193 191 383 1.60E-47 197.6 72036 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Hexanauplia; Copepoda; Neocopepoda; Podoplea; Siphonostomatoida; Caligidae; Lepeophtheirus; Lepeophtheirus salmonis

UdeM00000010170 225164 108.2 UdeM00000010170 XP_009062103.1 30.8
198 135 2 1 196 1 198 1.30E-20 108.2 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000010171 225164 106.7 UdeM00000010171 XP_009062103.1 31
200 134 3 1 198 1 198 3.70E-20 106.7 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000010172 13632 70.1 UdeM00000010172 XP_037823191.1 27.5 240
162 4 6 237 8 243 5.70E-09 70.1 13632 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Eremoneura; Cyclorrhapha; Schizophora; Calyptratae; Oestroidea; Calliphoridae; Luciliinae; Lucilia; Lucilia sericata

UdeM00000010176 6573 680.2 UdeM00000010176 XP_021363592.1 81.6 413
70 4 16 428 45 451 1.60E-192 680.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000010175 6573 743.4 UdeM00000010175 XP_021363592.1 80.7 457
78 5 1 453 1 451 1.70E-211 743.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000010177 6573 750.4 UdeM00000010177 XP_021363592.1 81.1 456
77 4 1 452 1 451 1.40E-213 750.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000010178 6565 226.1 UdeM00000010178 XP_022292438.1 70.3 145
43 0 1 145 192 336 2.90E-56 226.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000010179 29159 1128.2 UdeM00000010179 XP_011430908.2 76.5
693 163 0 1 693 1 693 0.00E+00 1128.2
29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000010180 2607531 351.7 UdeM00000010180 XP_029649452.1 57.4
312 122 6 6 311 10 316 1.00E-93 351.7 2607531
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus sinensis
UdeM00000010181 6579 62 UdeM00000010181 XP_033741473.1 55.3 47
21 0 57 103 60 106 5.30E-07 62 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000010182 6596 652.5 UdeM00000010182 XP_045195357.1 55 535
241 0 153 687 41 575 6.00E-184 652.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010183 6596 158.7 UdeM00000010183 XP_045195357.1 62.2 119
45 0 13 131 359 477 5.20E-36 158.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010184 6596 641.7 UdeM00000010184 XP_045195357.1 57.4 514
219 0 133 646 42 555 9.80E-181 641.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010186 6596 608.2 UdeM00000010186 XP_045195357.1 54.3 530
198 1 6 491 26 555 9.10E-171 608.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000010187 6596 676.4 UdeM00000010187 XP_045195357.1 56 550
 242 0 6 555 26 575 3.10E-191 676.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010188 6596 105.5 UdeM00000010188 XP_045195573.1 26.1 283
 184 10 10 281 18 286 3.10E-19 105.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010189 6596 105.9 UdeM00000010189 XP_045195573.1 26.1 283
 184 10 10 281 18 286 2.40E-19 105.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010190 6596 94 UdeM00000010190 XP_045195573.1 27.1 255
 165 10 5 250 42 284 8.60E-16 94 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010191 6596 96.7 UdeM00000010191 XP_045195573.1 27.7 267
 171 11 25 281 32 286 1.40E-16 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010192 6596 106.3 UdeM00000010192 XP_045200436.1 26.4 277
 183 10 18 279 25 295 1.10E-19 106.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010194 6596 122.9 UdeM00000010194 XP_045200436.1 31.6 285
 178 8 39 313 26 303 1.10E-24 122.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010195 6565 125.6 UdeM00000010195 XP_022324603.1 27.2 323
 190 13 4 313 20 310 1.10E-25 125.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010196 6565 121.3 UdeM00000010196 XP_022324607.1 27.8 313
 198 12 6 311 19 310 2.10E-24 121.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010197 6565 121.3 UdeM00000010197 XP_022324607.1 27.8 313
 198 12 3 308 19 310 2.10E-24 121.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010198 6596 132.1 UdeM00000010198 XP_045197828.1 55.6 142
54 3 29 165 58 195 6.90E-28 132.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010199 6596 131.7 UdeM00000010199 XP_045197826.1 52.8 163
71 3 11 170 42 201 9.10E-28 131.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010200 6573 669.8 UdeM00000010200 XP_021347779.1 36.3 1052
630 18 9 1037 1842 2876 6.10E-189 669.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000010201 6573 669.8 UdeM00000010201 XP_021347779.1 36.3 1052
630 18 9 1037 1842 2876 6.20E-189 669.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000010203 8240 77 UdeM00000010203 XP_042244713.1 54.2 59
27 0 16 74 315 373 1.10E-11 77 8240 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombridae;Scombrinae;Thunnini;Thunnus;Thunnus maccoyii
UdeM00000010204 6573 602.4 UdeM00000010204 XP_021347779.1 36.8 927
557 13 7 912 1883 2801 1.00E-168 602.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000010205 7574 81.3 UdeM00000010205 XP_013386941.1 64.8 54
19 0 14 67 886 939 5.40E-13 81.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000010206 6596 438.7 UdeM00000010206 XP_045197975.1 43.8 582
271 7 28 558 1413 1989 1.40E-119 438.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010207 6573 209.1 UdeM00000010207 XP_021347779.1 29.5 457
311 9 26 479 1839 2287 1.20E-50 209.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010208 6596 60.5 UdeM00000010208 XP_045197975.1 34.8 112
 62 3 20 127 1931 2035 6.00E-06 60.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010209 6573 1175.2 UdeM00000010209 XP_021347779.1 30.9
 2723 1721 66 107 2758 122 2755 0.00E+00 1175.2 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010210 6573 580.5 UdeM00000010210 XP_021347779.1 28.3 1772
 1158 51 107 1826 122 1833 7.60E-162 580.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010213 6596 338.2 UdeM00000010213 XP_045195433.1 56 298
 128 2 322 616 23 320 2.30E-89 338.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010214 70779 59.3 UdeM00000010214 XP_015759403.1 43.4 76
 43 0 22 97 718 793 3.20E-06 59.3 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000010215 6596 379.8 UdeM00000010215 XP_045197973.1 56.6 327
 136 2 1 324 1 324 3.50E-102 379.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010216 6596 374.8 UdeM00000010216 XP_045197973.1 56.6 327
 136 2 1 324 1 324 1.10E-100 374.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010217 6565 604.4 UdeM00000010217 XP_022293178.1 62.9 483
 146 7 7 479 6 465 2.20E-169 604.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010218 6596 378.6 UdeM00000010218 XP_045197973.1 55.9 324
 143 0 1 324 1 324 7.80E-102 378.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010219 6565 568.5 UdeM00000010219 XP_022293178.1 59.6 488
 131 7 7 456 6 465 1.30E-158 568.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010220 6596 619 UdeM00000010220 XP_045196926.1 51.7 977
 276 11 5 795 7 973 8.40E-174 619 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010222 6596 641.7 UdeM00000010222 XP_045197473.1 70.3 448
 121 5 28 468 12 454 7.10E-181 641.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010223 6596 628.2 UdeM00000010223 XP_045197471.1 71.9 424
 111 4 53 469 134 556 8.10E-177 628.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010224 6579 142.5 UdeM00000010224 XP_033740430.1 35.8 240
 130 8 6 237 15 238 1.40E-30 142.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010225 6596 327 UdeM00000010225 XP_045197766.1 59.9 272
 100 3 5 269 4 273 3.70E-86 327 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010226 6596 776.2 UdeM00000010226 XP_045198627.1 47.9 892
 330 9 1 884 1 765 4.50E-221 776.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010227 6579 228.8 UdeM00000010227 XP_033741488.1 38.6 479
 239 15 1 466 306 742 1.40E-56 228.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010228 6596 73.6 UdeM00000010228 XP_045166996.1 52.5 61
 29 0 16 76 394 454 1.30E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010229 6596 70.5 UdeM00000010229 XP_045166996.1 50.8 61
 30 0 81 141 394 454 2.00E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010230 6596 64.3 UdeM00000010230 XP_045195102.1 28.9 114
 80 1 78 190 582 695 2.00E-07 64.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010232 6596 333.6 UdeM00000010232 XP_045199387.1 31.8 707
 434 15 4 674 3 697 6.00E-88 333.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010233 6565 73.2 UdeM00000010233 XP_022327962.1 47.1 70
 37 0 9 78 503 572 2.80E-10 73.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010234 6596 84.3 UdeM00000010234 XP_045201869.1 36.2 138
 81 3 28 160 563 698 1.60E-13 84.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010235 6596 256.1 UdeM00000010235 XP_045199387.1 33.1 504
 305 10 4 484 3 497 9.00E-65 256.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010236 6596 320.1 UdeM00000010236 XP_045199387.1 30.8 711
 436 17 4 674 3 697 6.90E-84 320.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037481 6596 666 UdeM00000037481 XP_045205818.1 83.4 403
 66 1 1 403 507 908 3.00E-188 666 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037482 6596 239.2 UdeM00000037482 XP_045205818.1 49.4 261
 116 5 34 282 247 503 6.40E-60 239.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037483 6596 242.7 UdeM00000037483 XP_045205818.1 58.9 207
 84 1 32 238 24 229 4.90E-61 242.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037484 6596 912.1 UdeM00000037484 XP_045206515.1 55.5 890
 296 15 127 990 139 954 6.10E-262 912.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037485 6579 192.2 UdeM00000037485 XP_033729790.1 39.3 267
 149 1 10 276 17 270 9.70E-46 192.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037487 2652724 175.3 UdeM00000037487 XP_020913146.1 54.3
 164 75 0 167 330 177 340 1.80E-40 175.3 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000037489 6596 384.4 UdeM00000037489 XP_045203850.1 46 413
 219 4 5 416 310 719 1.90E-103 384.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037490 6596 849.7 UdeM00000037490 XP_045203339.1 54 859
 354 15 313 1159 318 1147 4.20E-243 849.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037491 6596 850.5 UdeM00000037491 XP_045203339.1 54.1 860
 353 16 313 1160 318 1147 2.50E-243 850.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037493 29159 246.1 UdeM00000037493 XP_011427376.1 61.4 202
 74 2 5 206 4 201 4.00E-62 246.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037494 6579 276.6 UdeM00000037494 XP_033754228.1 30.5 704
 469 11 8 699 13 708 3.40E-70 276.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037495 6596 523.1 UdeM00000037495 XP_045203969.1 76.2 307
 73 0 35 341 18 324 2.70E-145 523.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037496 6579 567.8 UdeM00000037496 XP_033743639.1 34.4 1039
 634 16 22 1023 19 1046 2.90E-158 567.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037497 6579 567.8 UdeM00000037497 XP_033743639.1 34.4 1039
634 16 15 1016 19 1046 2.90E-158 567.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037498 10224 152.1 UdeM00000037498 XP_002733140.2 30.3 366
222 10 6 341 18 380 1.20E-33 152.1 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000037499 6596 181.8 UdeM00000037499 XP_045202117.1 51.1 184
62 2 1 182 1 158 7.80E-43 181.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037500 6579 612.5 UdeM00000037500 XP_033743643.1 36.3 1159
660 19 1 1115 1 1125 1.10E-171 612.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037501 6579 236.5 UdeM00000037501 XP_033743323.1 44.6 361
165 11 19 364 24 364 5.40E-59 236.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037502 6596 561.6 UdeM00000037502 XP_045204830.1 48.1 576
294 3 67 642 1 571 1.30E-156 561.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037504 29159 382.5 UdeM00000037504 XP_011444702.1 80.5 221
43 0 29 249 23 243 4.90E-103 382.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037503 6596 783.1 UdeM00000037503 XP_045204424.1 81.6 451
83 0 29 479 23 473 2.00E-223 783.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037505 6573 438 UdeM00000037505 XP_021340548.1 75.1 341
74 4 1 338 9 341 1.10E-119 438 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037506 6573 423.7 UdeM00000037506 XP_021340547.1 54 546
242 2 1 537 1 546 3.50E-115 423.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037507 6573 471.1 UdeM00000037507 XP_021340547.1 51.7 592
286 0 1 592 526 1117 2.10E-129 471.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037508 6579 329.7 UdeM00000037508 XP_033743546.1 82.3 192
34 0 1 192 1119 1310 2.50E-87 329.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000037509 45264 375.2 UdeM00000037509 XP_044165535.1 47 389
188 3 12 383 148 535 1.40E-100 375.2 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora
UdeM00000037510 6573 179.1 UdeM00000037510 XP_021340547.1 37.8 283
176 0 44 326 333 615 9.10E-42 179.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037511 6573 503.1 UdeM00000037511 XP_021340547.1 44.5 686
369 5 4 682 626 1306 6.40E-139 503.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037513 6596 481.5 UdeM00000037513 XP_045172573.1 38 700
308 8 7 703 4 580 1.80E-132 481.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037512 6596 481.5 UdeM00000037512 XP_045172573.1 38 700
308 8 33 729 4 580 1.90E-132 481.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037514 6596 1204.9 UdeM00000037514 XP_045205039.1 52.2
1210 560 13 9 1211 18 1216 0.00E+00 1204.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000037515 6596 2177.9 UdeM00000037515 XP_045205040.1 53
2106 963 8 70 2158 2 2098 0.00E+00 2177.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037516 6573 747.7 UdeM00000037516 XP_021348390.1 43.2 886
 363 10 21 902 3471 4220 1.80E-212 747.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037517 6573 769.2 UdeM00000037517 XP_021348390.1 46.2 832
 362 10 21 848 3471 4220 5.40E-219 769.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037518 6573 794.3 UdeM00000037518 XP_021348390.1 49.2 778
 363 9 21 794 3471 4220 1.50E-226 794.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037519 29159 342 UdeM00000037519 XP_011429616.1 82.9 199
 34 0 1 199 1 199 5.00E-91 342 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037520 6596 848.2 UdeM00000037520 XP_045204337.1 60.8 641
 247 3 22 662 72 708 7.10E-243 848.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037524 6596 216.5 UdeM00000037524 XP_045205295.1 49.2 238
 111 5 51 281 49 283 4.70E-53 216.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037523 6596 315.8 UdeM00000037523 XP_045205295.1 52.7 315
 139 5 51 358 49 360 7.00E-83 315.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037525 6596 510 UdeM00000037525 XP_045205295.1 66.8 398
 124 5 4 401 354 743 2.80E-141 510 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037526 6565 65.9 UdeM00000037526 XP_022326333.1 38.1 147
 90 1 1 146 1 147 5.00E-08 65.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037527 6565 682.2 UdeM00000037527 XP_022326333.1 65.9 587
 199 1 1 587 190 775 5.90E-193 682.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037528 6596 594.7 UdeM00000037528 XP_045204928.1 46 648
 303 9 7 633 14 635 1.40E-166 594.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037529 6596 612.1 UdeM00000037529 XP_045204928.1 46.9 648
 309 8 7 645 14 635 8.50E-172 612.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037530 6573 336.7 UdeM00000037530 XP_021361375.1 47.4 416
 203 9 1 412 1 404 4.30E-89 336.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037531 29159 116.3 UdeM00000037531 XP_011428466.1 50 110
 55 0 7 116 190 299 2.70E-23 116.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037532 6596 194.5 UdeM00000037532 XP_045206841.1 53.6 168
 78 0 19 186 20 187 1.20E-46 194.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037533 225164 264.2 UdeM00000037533 XP_009056902.1 68.4
 174 55 0 7 180 19 192 1.20E-67 264.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000037534 6596 309.3 UdeM00000037534 XP_045206841.1 53.3 289
 133 2 13 300 14 301 5.40E-81 309.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037535 6596 278.1 UdeM00000037535 XP_045206843.1 50.3 290
 137 4 9 292 4 292 1.30E-71 278.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037536 6596 162.5 UdeM00000037536 XP_045203045.1 37.4 310
 132 8 8 263 5 306 7.20E-37 162.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037537 6596 231.9 UdeM00000037537 XP_045203045.1 43.3 312
 153 6 8 302 1 305 1.10E-57 231.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037538 6596 183 UdeM00000037538 XP_045206845.1 34.2 295
185 2 4 289 5 299 5.60E-43 183 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037539 6596 370.5 UdeM00000037539 XP_045203099.1 65.6 323
77 4 1 295 1 317 1.90E-99 370.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037540 6596 363.6 UdeM00000037540 XP_045203099.1 64.4 317
65 2 1 269 1 317 2.20E-97 363.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037541 6573 419.1 UdeM00000037541 XP_021339205.1 67.2 293
96 0 5 297 28 320 4.80E-114 419.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037542 6565 632.1 UdeM00000037542 XP_022320475.1 76.1 415
99 0 1 415 1 415 5.00E-178 632.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037544 6596 91.3 UdeM00000037544 XP_045171063.1 48.9 88
44 1 15 102 7 93 8.00E-16 91.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037545 29159 117.1 UdeM00000037545 XP_034331441.1 46.6 118
63 0 10 127 61 178 1.80E-23 117.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037546 29159 306.6 UdeM00000037546 XP_034331441.1 40.7 413
232 11 7 413 499 904 4.90E-80 306.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037547 6596 203 UdeM00000037547 XP_045204699.1 56.2 162
71 0 1 162 23 184 3.50E-49 203 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037549 2607531 151.8 UdeM00000037549 XP_029648774.2 39
 246 134 5 51 280 13 258 1.90E-33 151.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000037548 2607531 156.8 UdeM00000037548 XP_036367586.1 39.4
 249 135 5 7 239 5 253 5.20E-35 156.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000037550 6596 412.9 UdeM00000037550 XP_045205289.1 58 522
 204 5 1 511 69 586 7.20E-112 412.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037551 6596 422.5 UdeM00000037551 XP_045205289.1 59.5 519
 198 5 1 508 69 586 9.10E-115 422.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037552 6596 234.2 UdeM00000037552 XP_045205288.1 72 275
 76 1 14 287 211 485 2.10E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037553 6500 112.8 UdeM00000037553 XP_012943152.1 46.7 122
 64 1 3 124 53 173 3.60E-22 112.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000037554 6596 287 UdeM00000037554 XP_045206052.1 30.6 1234
 637 36 45 1187 561 1665 1.10E-73 287 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037555 6596 167.9 UdeM00000037555 XP_045206052.1 43 309
 136 13 123 407 1788 2080 2.60E-38 167.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037556 6596 251.5 UdeM00000037556 XP_045206033.1 42.5 301
 163 6 1054 1346 689 987 6.50E-63 251.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037557 6579 771.5 UdeM00000037557 XP_033742900.1 74.3 502
 108 6 1 483 1 500 6.10E-220 771.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037560 6573 227.3 UdeM00000037560 XP_021362108.1 91.8 110
 9 0 1 110 5 114 9.90E-57 227.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037561 6596 238.4 UdeM00000037561 XP_045203106.1 49.4 247
 117 3 1 241 19 263 9.30E-60 238.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037562 2587831 268.9 UdeM00000037562 XP_029767823.1 36.7
 449 266 6 10 443 111 556 1.20E-68 268.9 2587831
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Em
 ydidae;Terrapene;Terrapene carolina;Terrapene carolina triunguis
 UdeM00000037563 29159 185.3 UdeM00000037563 XP_034300731.1 66.4 134
 45 0 1 134 351 484 5.40E-44 185.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037564 6596 110.9 UdeM00000037564 XP_045206816.1 41.5 147
 82 2 183 325 101 247 4.20E-21 110.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037565 6596 93.6 UdeM00000037565 XP_045206665.1 35.5 169
 98 2 229 395 59 218 6.20E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037566 6596 661 UdeM00000037566 XP_045203693.1 49.1 625
 311 6 1 624 38 656 1.50E-186 661 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037567 6596 156.8 UdeM00000037567 XP_045191019.1 37 257
 144 3 48 290 54 306 4.30E-35 156.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037568 6596 146.4 UdeM00000037568 XP_045203136.1 39.3 252
 130 8 40 290 961 1190 5.90E-32 146.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037569 7739 396.7 UdeM00000037569 XP_035696678.1 53.7 354
 161 1 279 629 550 903 5.60E-107 396.7 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000037570 7739 351.7 UdeM00000037570 XP_035696678.1 52.5 318
 148 1 309 623 586 903 2.00E-93 351.7 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000037571 6596 138.7 UdeM00000037571 XP_045203667.1 29.2 431
 256 13 32 428 111 526 1.80E-29 138.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037573 225164 100.1 UdeM00000037573 XP_009065434.1 28.3
 223 133 6 10 205 27 249 3.90E-18 100.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000037574 6596 89.7 UdeM00000037574 XP_045206699.1 36.5 137
 76 3 97 232 505 631 5.40E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037575 6596 89.7 UdeM00000037575 XP_045206699.1 36.5 137
 76 3 138 273 505 631 6.30E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037576 6596 89.7 UdeM00000037576 XP_045206699.1 36.5 137
 76 3 176 311 505 631 7.10E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037577 6565 106.3 UdeM00000037577 XP_022324784.1 38.9 167
 92 2 413 569 529 695 2.90E-19 106.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037578 6565 106.3 UdeM00000037578 XP_022324784.1 38.9 167
 92 2 413 569 529 695 2.90E-19 106.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037579 6596 151.4 UdeM00000037579 XP_045203687.1 30 417
252 10 88 485 231 626 3.10E-33 151.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037581 6596 140.6 UdeM00000037581 XP_045203687.1 28.6 412
243 13 329 716 238 622 8.00E-30 140.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037582 6596 137.1 UdeM00000037582 XP_045203864.1 31.4 287
170 7 488 769 39 303 9.40E-29 137.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037583 6596 169.9 UdeM00000037583 XP_045206665.1 39.3 252
144 4 35 283 50 295 5.10E-39 169.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037584 6596 159.8 UdeM00000037584 XP_045206699.1 38 237
138 4 209 442 402 632 7.70E-36 159.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037585 6596 147.1 UdeM00000037585 XP_045206703.1 40.7 231
117 6 94 315 414 633 4.00E-32 147.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037586 6596 164.5 UdeM00000037586 XP_045206665.1 40.2 259
141 5 13 266 48 297 2.90E-37 164.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037588 6596 89 UdeM00000037588 XP_045203860.1 34.9 192
105 6 35 216 145 326 8.20E-15 89 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037589 7741 94 UdeM00000037589 XP_019634421.1 31.8 192
99 6 9 185 17 191 2.50E-16 94 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000037590 6565 155.2 UdeM00000037590 XP_022327488.1 38.9 247
134 7 218 459 400 634 2.00E-34 155.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037591 6596 133.7 UdeM00000037591 XP_045206077.1 39.7 232
122 7 1 229 245 461 3.10E-28 133.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037592 6596 154.8 UdeM00000037592 XP_045206665.1 40.4 223
125 3 238 457 80 297 2.70E-34 154.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037593 6596 148.3 UdeM00000037593 XP_045206703.1 40.4 228
122 5 173 394 414 633 2.20E-32 148.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037595 6596 148.7 UdeM00000037595 XP_045206103.1 36.2 218
122 5 1 213 231 436 9.50E-33 148.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037594 6596 161.4 UdeM00000037594 XP_045206665.1 39.2 240
136 4 222 457 75 308 2.80E-36 161.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037596 6596 157.5 UdeM00000037596 XP_045204703.1 38.5 260
144 6 248 497 511 764 4.30E-35 157.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037597 6596 456.1 UdeM00000037597 XP_045204069.1 66.3 323
109 0 111 433 33 355 5.10E-125 456.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037599 6596 417.2 UdeM00000037599 XP_045204069.1 66.3 291
98 0 1 291 63 353 1.80E-113 417.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037598 6596 422.5 UdeM00000037598 XP_045204069.1 61.7 329
125 1 4 331 25 353 4.80E-115 422.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037601 6596 431.4 UdeM00000037601 XP_045204067.1 74.5 271
65 2 13 283 6 272 8.80E-118 431.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037600 6596 709.9 UdeM00000037600 XP_045204068.1 71.5 467
129 2 13 479 6 468 2.20E-201 709.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037602 6596 107.1 UdeM00000037602 XP_045204067.1 49.1 114
55 1 1 111 424 537 1.50E-20 107.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037603 6596 1590.9 UdeM00000037603 XP_045204049.1 66.6
1256 334 9 23 1232 27 1242 0.00E+00 1590.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037604 6573 1599.3 UdeM00000037604 XP_021366170.1 68.6
1212 335 14 24 1211 28 1217 0.00E+00 1599.3 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037605 6596 1591.6 UdeM00000037605 XP_045204049.1 68.2
1225 336 10 23 1203 27 1242 0.00E+00 1591.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037606 6565 1572.8 UdeM00000037606 XP_022322046.1 62.7
1304 428 13 23 1286 27 1312 0.00E+00 1572.8 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037607 6573 1593.6 UdeM00000037607 XP_021366170.1 68.5
1215 334 16 24 1214 28 1217 0.00E+00 1593.6 6573

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037608 6573 219.2 UdeM00000037608 XP_021366129.1 57.8 185
76 1 1 183 1 185 4.50E-54 219.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037610 6596 767.3 UdeM00000037610 XP_045204042.1 55.8 753
241 10 1 673 1 741 1.70E-218 767.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037611 6596 650.2 UdeM00000037611 XP_045204042.1 61.3 520
192 2 8 527 743 1253 2.60E-183 650.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037612 6596 265 UdeM00000037612 XP_045189020.1 40.6 401
148 7 10 322 40 438 1.30E-67 265 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037613 6596 85.5 UdeM00000037613 XP_045189020.1 27.1 262
105 6 29 206 179 438 9.00E-14 85.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037615 6596 278.5 UdeM00000037615 XP_045189020.1 40.6 404
154 6 7 326 37 438 1.10E-71 278.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037616 6596 1501.9 UdeM00000037616 XP_045204042.1 60.7
1270 436 10 1 1221 1 1256 0.00E+00 1501.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037617 6573 97.4 UdeM00000037617 XP_021345471.1 46.5 99
41 2 17 107 27 121 1.60E-17 97.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037620 6596 367.1 UdeM00000037620 XP_045203799.1 27.1 1586
850 50 136 1639 7 1368 1.20E-97 367.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037622 6596 328.2 UdeM00000037622 XP_045204194.1 41.2 386
213 4 132 514 275 649 1.90E-86 328.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037623 6596 168.7 UdeM00000037623 XP_045204716.1 34.3 286
175 4 563 843 179 456 3.20E-38 168.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037624 6412 92.8 UdeM00000037624 XP_009028875.1 47.2 89
46 1 4 92 80 167 2.40E-16 92.8 6412 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glossiphoniidae;Helobdella;Helobdella robusta

UdeM00000037625 6596 169.9 UdeM00000037625 XP_045203134.1 35.8 302
174 7 354 644 502 794 1.10E-38 169.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037626 6596 170.2 UdeM00000037626 XP_045203136.1 39.3 262
134 6 420 671 945 1191 8.70E-39 170.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037628 6596 170.2 UdeM00000037628 XP_045203137.1 36.7 275
156 6 569 834 925 1190 1.10E-38 170.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037629 6596 170.2 UdeM00000037629 XP_045203137.1 36.7 275
156 6 594 859 925 1190 1.10E-38 170.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037630 6596 170.2 UdeM00000037630 XP_045203137.1 37.3 276
153 7 323 588 925 1190 7.60E-39 170.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037631 29159 199.9 UdeM00000037631 XP_034334268.1 47.4 194
99 1 1 194 160 350 3.00E-48 199.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037632 6596 178.7 UdeM00000037632 XP_045203135.1 28.1 608
358 19 400 978 171 728 3.60E-41 178.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037633 6596 165.2 UdeM00000037633 XP_045204729.1 38.7 238
137 4 874 1111 215 443 4.60E-37 165.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037634 29159 297 UdeM00000037634 XP_034317111.1 61.3 222
86 0 1 222 1 222 2.10E-77 297 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037635 6596 139.8 UdeM00000037635 XP_045203136.1 30 327
190 8 404 720 892 1189 1.40E-29 139.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037637 6596 110.5 UdeM00000037637 XP_045203599.1 33.2 202
124 4 12 213 300 490 2.70E-21 110.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037638 6596 109.4 UdeM00000037638 XP_045205085.1 47.9 121
61 2 4 122 24 144 3.50E-21 109.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037639 6596 328.2 UdeM00000037639 XP_045205085.1 40.9 508
281 9 34 538 153 644 2.00E-86 328.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037643 6596 178.3 UdeM00000037643 XP_045206703.1 43 221
119 3 355 568 414 634 2.70E-41 178.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037644 6596 194.5 UdeM00000037644 XP_045206699.1 44.2 233
124 4 467 694 401 632 4.40E-46 194.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000037646 6596 160.2 UdeM00000037646 XP_045203864.1 31.3 294
 178 8 156 449 35 304 6.20E-36 160.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037647 6565 103.6 UdeM00000037647 XP_022324784.1 51 102
 50 0 134 235 594 695 5.90E-19 103.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040668 29159 93.2 UdeM00000040668 XP_034336755.1 30.8 211
 123 4 5 201 577 778 6.50E-16 93.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040669 6596 460.3 UdeM00000040669 XP_045163437.1 49.2 528
 251 10 1 523 109 624 3.50E-126 460.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040670 2652724 106.7 UdeM00000040670 XP_020913146.1 54.2
 96 44 0 98 193 172 267 3.40E-20 106.7 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000040671 400727 174.1 UdeM00000040671 XP_025083954.1 29.5
 430 274 15 121 532 2752 3170 7.40E-40 174.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000040672 7739 101.3 UdeM00000040672 XP_035657435.1 32.3 186
 118 6 128 306 2890 3074 5.00E-18 101.3 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000040673 6596 373.2 UdeM00000040673 XP_045183930.1 54.4 320
 139 5 20 335 14 330 3.40E-100 373.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040675 6596 225.7 UdeM00000040675 XP_045161481.1 74.3 152
 38 1 1 151 1 152 4.10E-56 225.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040674 6596 707.2 UdeM00000040674 XP_045161481.1 70.6 480
 137 1 1 480 1 476 1.40E-200 707.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040676 6596 425.2 UdeM00000040676 XP_045161480.1 69.3 287
84 1 6 292 596 878 6.50E-116 425.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040677 1735272 131 UdeM00000040677 XP_041377629.1 49.3
142 66 2 31 169 16 154 1.80E-27 131 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040678 6596 1672.5 UdeM00000040678 XP_045163506.1 46.5
1794 777 24 1 1771 85 1719 0.00E+00 1672.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040679 6596 1667.9 UdeM00000040679 XP_045163506.1 46.5
1795 777 25 1 1772 85 1719 0.00E+00 1667.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040680 6596 429.5 UdeM00000040680 XP_045161278.1 68.5 298
94 0 1 298 1 298 3.70E-117 429.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040681 6565 73.6 UdeM00000040681 XP_022339292.1 56.1 66
28 1 5 70 978 1042 1.20E-10 73.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040682 6596 549.3 UdeM00000040682 XP_045186644.1 34.1 984
579 26 284 1245 95 1031 1.30E-152 549.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000012990 1234273 63.5 UdeM00000012990 XP_027027793.1 36.4
88 47 3 14 94 78 163 1.70E-07 63.5 1234273
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossoccephalai;Clupeocea

phala;Otomorpha;Ostariophysii;Otophysii;Characiphysae;Siluriformes;Siluroid
ei;Bagridae;Tachysurus;Tachysurus fulvidraco

UdeM00000012991 1234273 63.5 UdeM00000012991 XP_027027793.1 36.4
88 47 3 14 94 78 163 1.70E-07 63.5 1234273

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysii;Otophysii;Characiphysae;Siluriformes;Siluroid
ei;Bagridae;Tachysurus;Tachysurus fulvidraco

UdeM00000012992 1735272 132.5 UdeM00000012992 XP_041346997.1 55.9
111 45 3 24 134 48 154 4.10E-28 132.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000012993 29159 80.9 UdeM00000012993 XP_034307624.1 28.2 195
115 4 4 197 2 172 2.00E-12 80.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000012995 6596 307.4 UdeM00000012995 XP_045167141.1 57.2 290
101 3 3 269 22 311 1.80E-80 307.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012994 6596 307.8 UdeM00000012994 XP_045167141.1 57.2 290
101 3 23 289 22 311 1.50E-80 307.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012996 1529436 157.1 UdeM00000012996 XP_033111952.1 35.2
273 174 3 27 296 38 310 3.40E-35 157.1 1529436

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica

UdeM00000012998 6596 72.8 UdeM00000012998 XP_045165023.1 33.6 125
74 3 57 175 72 193 5.80E-10 72.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000012999 6596 90.1 UdeM00000012999 XP_045165023.1 38.6 127
69 3 51 174 68 188 3.90E-15 90.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013000 6596 93.2 UdeM00000013000 XP_045165023.1 38 129
73 2 51 177 68 191 4.30E-16 93.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013001 6596 93.2 UdeM00000013001 XP_045165023.1 38 129
73 2 66 192 68 191 4.60E-16 93.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013002 6596 75.5 UdeM00000013002 XP_045165023.1 34.1 135
79 4 33 159 61 193 7.70E-11 75.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013003 6596 71.6 UdeM00000013003 XP_045165023.1 41.2 85
48 1 82 164 94 178 1.20E-09 71.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013004 6596 67.8 UdeM00000013004 XP_045165023.1 37.9 87
52 1 85 169 97 183 1.70E-08 67.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013005 6596 411.4 UdeM00000013005 XP_045166596.1 55.4 715
225 14 1 688 123 770 2.30E-111 411.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013006 6596 218.4 UdeM00000013006 XP_045166596.1 90.9 121
11 0 1 121 1 121 5.50E-54 218.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013007 6596 427.2 UdeM00000013007 XP_045164575.1 69.2 318
85 4 80 387 387 701 2.30E-116 427.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013008 6596 137.1 UdeM00000013008 XP_045164575.1 40.7 344
135 9 43 329 34 365 4.60E-29 137.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013009 400727 81.3 UdeM00000013009 XP_025106791.1 35.1
131 69 3 2 118 13 141 9.50E-13 81.3 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013022 6579 311.6 UdeM00000013022 XP_033746361.1 65.9 217
 70 2 1 217 1 213 7.80E-82 311.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013023 6573 174.5 UdeM00000013023 XP_021378367.1 94.2 86
 5 0 2 87 3 88 6.00E-41 174.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013024 6573 1006.5 UdeM00000013024 XP_021371807.1 74.8
 655 160 1 1 655 1 650 1.50E-290 1006.5 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013025 6596 592.8 UdeM00000013025 XP_045194569.1 66.7 430
 143 0 1 430 1 430 3.50E-166 592.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013026 118141 65.1 UdeM00000013026 XP_036374264.1 58.2
 55 22 1 2 56 5 58 8.70E-08 65.1 118141
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Elopiformes;Megalopidae;Megalops;Megalops cyprinoides
 UdeM00000013027 6596 330.9 UdeM00000013027 XP_045164798.1 72.2 209
 58 0 1 209 1 209 1.30E-87 330.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013028 6573 228.4 UdeM00000013028 XP_021371047.1 39 377
 181 7 1 329 1 376 2.90E-56 228.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013029 6596 471.9 UdeM00000013029 XP_045166287.1 72.5 302
 82 1 120 421 122 422 9.00E-130 471.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013030 6596 229.6 UdeM00000013030 XP_045166286.1 73.9 142
 36 1 1 142 282 422 2.70E-57 229.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013031 29159 151.4 UdeM00000013031 XP_011451740.2 64.3 112
 37 1 1 109 332 443 6.90E-34 151.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013032 6596 1011.9 UdeM00000013032 XP_045166289.1 50.4
 1216 181 7 16 1229 13 808 6.90E-292 1011.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013033 6596 447.2 UdeM00000013033 XP_045166291.1 64.1 329
 90 1 13 341 14 314 1.90E-122 447.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013034 6596 436 UdeM00000013034 XP_045166291.1 59.1 357
 90 1 13 369 14 314 4.80E-119 436 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013035 6596 461.8 UdeM00000013035 XP_045166291.1 70.1 301
 90 0 13 313 14 314 7.00E-127 461.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013036 6596 794.7 UdeM00000013036 XP_045167227.1 54.1 1097
 326 19 373 1461 362 1288 3.40E-226 794.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013037 6596 794.7 UdeM00000013037 XP_045167227.1 54.1 1097
 326 19 373 1461 362 1288 3.20E-226 794.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013038 6565 105.5 UdeM00000013038 XP_022300363.1 36.3 157
 91 3 24 171 32 188 6.80E-20 105.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013039 6579 236.5 UdeM00000013039 XP_033745252.1 61.1 193
 69 4 66 255 37 226 3.80E-59 236.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013040 6596 216.5 UdeM00000013040 XP_045165323.1 55.8 181
 79 1 73 253 42 221 4.00E-53 216.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013041 6565 218 UdeM00000013041 XP_022334339.1 23.5 663
 471 13 2 640 103 753 3.50E-53 218 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013043 6596 77 UdeM00000013043 XP_045211554.1 28.6 185
 121 4 4 184 84 261 4.40E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013045 6596 424.5 UdeM00000013045 XP_045164087.1 48.1 503
 234 10 32 529 12 492 2.00E-115 424.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013047 6596 183.3 UdeM00000013047 XP_045164470.1 50.3 185
 81 4 1 174 1 185 2.60E-43 183.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013048 6596 192.2 UdeM00000013048 XP_045164943.1 31.4 634
 368 21 288 884 60 663 3.30E-45 192.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013050 6596 410.6 UdeM00000013050 XP_045164282.1 70.8 312
 75 10 2 305 32 335 1.70E-111 410.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013051 6596 755 UdeM00000013051 XP_045165907.1 55.9 615
 268 2 10 622 23 636 7.60E-215 755 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013052 6565 224.9 UdeM00000013052 XP_022297664.1 65.6 163
 55 1 10 172 11 172 7.70E-56 224.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013053 6573 706.8 UdeM00000013053 XP_021344993.1 28.3 1756
 1163 42 18 1719 24 1737 6.60E-200 706.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pecti
 nida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013054 6596 743.8 UdeM00000013054 XP_045165907.1 53.7 631
 289 2 5 633 6 635 1.90E-211 743.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013055 6596 791.2 UdeM00000013055 XP_045165907.1 51.7 685
 324 5 1 680 1 683 1.10E-225 791.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013056 6596 635.6 UdeM00000013056 XP_045165907.1 49.3 594
 238 3 1 532 43 635 6.10E-179 635.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013057 94827 144.1 UdeM00000013057 XP_010214492.1 30.1 329
 187 6 1 291 616 939 3.00E-31 144.1 94827 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Pa
 laeognathae;Tinamiformes;Tinamidae;Tinamus;Tinamus guttatus
 UdeM00000013058 6596 839.7 UdeM00000013058 XP_045165359.1 52.2 856
 271 12 25 743 38 892 2.90E-240 839.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013059 6596 1440.2 UdeM00000013059 XP_045165359.1 64
 1068 323 4 1 1067 920 1926 0.00E+00 1440.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013060 6596 764.6 UdeM00000013060 XP_045164728.1 44 1082
 410 22 1 989 1 979 1.50E-217 764.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013061 1735272 156.4 UdeM00000013061 XP_041346997.1 59.7
 119 44 3 18 134 38 154 2.70E-35 156.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013062 1735272 156 UdeM00000013062 XP_041346997.1 58.8
 119 45 3 1 117 38 154 3.00E-35 156 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013063 1735272 156 UdeM00000013063 XP_041346997.1 58.8
 119 45 3 1 117 38 154 3.00E-35 156 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013064 1735272 161.4 UdeM00000013064 XP_041346997.1 60.5
 119 45 2 1 119 38 154 7.40E-37 161.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013065 1735272 156.4 UdeM00000013065 XP_041346997.1 60.7
 112 42 2 24 135 45 154 2.70E-35 156.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013066 1735272 152.9 UdeM00000013066 XP_041346997.1 56.3
 119 50 2 19 137 38 154 3.00E-34 152.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013067 1735272 158.7 UdeM00000013067 XP_041346997.1 57.1
 119 49 2 19 137 38 154 5.50E-36 158.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013068 1735272 161.8 UdeM00000013068 XP_041346997.1 64.3
 112 38 2 24 135 45 154 6.40E-37 161.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013069 1735272 142.9 UdeM00000013069 XP_041379003.1 57.5
 106 44 1 35 140 25 129 3.30E-31 142.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013071 6579 751.9 UdeM00000013071 XP_033745952.1 54.9 736
 295 9 20 750 40 743 7.90E-214 751.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013073 6945 60.8 UdeM00000013073 XP_040078187.1 28.2 131
 93 1 146 275 38 168 5.00E-06 60.8 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000013074 1735272 81.6 UdeM00000013074 XP_041379274.1 34.4
 122 78 2 2 122 245 365 7.80E-13 81.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013075 6087 167.9 UdeM00000013075 XP_012565456.1 60.6 127
 48 1 4 128 890 1016 8.50E-39 167.9 6087 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
 oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
 UdeM00000013078 45264 406.4 UdeM00000013078 XP_044165143.1 59.8 333
 132 2 30 360 141 473 4.00E-110 406.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000013081 29159 80.9 UdeM00000013081 XP_034318666.1 33.3 129
 47 2 35 163 865 954 1.70E-12 80.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013083 6596 104.8 UdeM00000013083 XP_045208720.1 24.8 415
 213 9 60 471 671 989 3.70E-19 104.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013085 6596 94 UdeM00000013085 XP_045208720.1 31.2 224
 138 5 186 401 727 942 6.30E-16 94 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013085 6596 56.6 UdeM00000013085 XP_045208720.1 34.5 87
 57 0 441 527 1205 1291 1.10E-04 56.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013086 6596 224.2 UdeM00000013086 XP_045161541.1 42 295
 146 5 14 286 30 321 2.40E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013087 6579 223 UdeM00000013087 XP_033726657.1 47.4 266
 122 6 10 258 247 511 4.30E-55 223 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013089 6596 62 UdeM00000013089 XP_045208696.1 38.7 93
 55 2 197 287 301 393 1.40E-06 62 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013093 6596 147.5 UdeM00000013093 XP_045209416.1 27.6 409
 264 12 163 553 667 1061 5.00E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013094 29144 109.4 UdeM00000013094 XP_030636346.1 27.2 346
 209 11 56 400 112 415 1.60E-20 109.4 29144 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Anotophysii;Gonorynchiformes;Chanoidei;Chanid
 ae;Chanos;Chanos chanos

UdeM00000013097 6573 838.6 UdeM00000013097 XP_021358732.1 62.3 702
 248 5 23 720 17 705 6.10E-240 838.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013098 6579 697.6 UdeM00000013098 XP_033758588.1 60.8 607
 230 6 16 622 10 608 1.50E-197 697.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013099 48698 190.3 UdeM00000013099 XP_007573043.1 38.9 247
 137 3 911 1157 243 475 1.50E-44 190.3 48698 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Poecilia;Poecili
 a formosa

UdeM00000013100 6579 389 UdeM00000013100 XP_033726011.1 41.5 597
 292 15 55 627 17 580 1.10E-104 389 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013101 6500 331.6 UdeM00000013101 XP_005105299.2 43.3 411
 144 4 61 468 7 331 1.60E-87 331.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000013102 400727 178.7 UdeM00000013102 XP_025082781.1 72.3
 119 33 0 1 119 250 368 4.40E-42 178.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000013103 6500 347.8 UdeM00000013103 XP_005112828.1 75.7 214
 52 0 8 221 82 295 1.80E-92 347.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000013104 400727 325.5 UdeM00000013104 XP_025108466.1 45.1
 386 200 5 7 390 26 401 9.40E-86 325.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000013105 2652724 65.5 UdeM00000013105 XP_020913208.1 74.4
 39 10 0 2 40 3 41 3.50E-08 65.5 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000013106 225164 143.7 UdeM00000013106 XP_009051291.1 29.8
 359 214 9 9 350 184 521 9.60E-31 143.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000013107 6596 531.6 UdeM00000013107 XP_045163169.1 66.6 368
 123 0 3 370 7 374 8.40E-148 531.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013108 218467 270.8 UdeM00000013108 XP_023212519.1 52.3
 266 126 1 1 266 1 265 1.90E-69 270.8 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000013110 6596 1052 UdeM00000013110 XP_045210136.1 41.5 1573
 759 32 116 1604 27 1522 8.10E-304 1052 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013111 6596 1049.3 UdeM00000013111 XP_045210136.1 41.1
 1587 761 31 116 1620 27 1522 5.30E-303 1049.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013112 6596 1036.9 UdeM00000013112 XP_045210136.1 40.3
 1619 761 31 116 1652 27 1522 2.80E-299 1036.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013113 6596 1043.1 UdeM00000013113 XP_045210136.1 40.7
 1603 761 31 116 1636 27 1522 3.90E-301 1043.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013114 6596 1077.8 UdeM00000013114 XP_045210137.1 45.2
 1523 616 33 1 1494 247 1579 0.00E+00 1077.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013115 6596 193 UdeM00000013115 XP_045210132.1 69.5 131
 39 1 26 155 16 146 3.00E-46 193 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013116 29159 761.5 UdeM00000013116 XP_019926413.2 75.2 508
 124 2 1 507 1 507 6.70E-217 761.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013117 29159 142.5 UdeM00000013117 XP_019926413.2 36.8 250
 48 1 1 140 1 250 7.40E-31 142.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013117 29159 72.4 UdeM00000013117 XP_019926413.2 55.8 52
 23 0 161 212 558 609 9.40E-10 72.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013118 7574 97.1 UdeM00000013118 XP_013401704.1 38.7 119
 67 1 10 128 719 831 1.80E-17 97.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000013119 29159 255.8 UdeM00000013119 XP_011450415.2 33.2 587
 335 10 18 599 36 570 2.70E-64 255.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013125 6565 98.2 UdeM00000013125 XP_022324853.1 50.8 124
 61 0 13 136 20 143 1.50E-17 98.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013126 6565 95.1 UdeM00000013126 XP_022324853.1 52.1 94
 45 0 13 106 20 113 6.30E-17 95.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000013127 6596 301.6 UdeM00000013127 XP_045209594.1 61.5 260
96 3 595 853 578 834 3.20E-78 301.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013128 6596 302.8 UdeM00000013128 XP_045209594.1 61.5 260
96 3 592 850 578 834 1.40E-78 302.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013129 225164 267.7 UdeM00000013129 XP_009045636.1 65.3
170 58 1 14 182 62 231 1.10E-68 267.7 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000013130 1735272 100.9 UdeM00000013130 XP_041372993.1 54.3
81 36 1 3 82 2 82 1.60E-18 100.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013131 29159 84.7 UdeM00000013131 XP_034308073.1 67.9 56
18 0 121 176 4 59 1.30E-13 84.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013132 6579 176.8 UdeM00000013132 XP_033744592.1 48.8 166
85 0 1 166 212 377 2.30E-41 176.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013133 6596 249.2 UdeM00000013133 XP_045208887.1 51.8 228
107 2 1 227 539 764 5.10E-63 249.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013134 10228 112.8 UdeM00000013134 XP_002118406.1 41.9 136
76 2 3 138 166 298 3.50E-22 112.8 10228 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
e;Trichoplax;Trichoplax adhaerens
UdeM00000013135 6596 216.1 UdeM00000013135 XP_045161541.1 41.6 315
156 7 18 312 30 336 6.60E-53 216.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013136 6596 216.1 UdeM00000013136 XP_045161541.1 43.2 287
139 5 19 281 35 321 6.50E-53 216.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013138 29159 141.4 UdeM00000013138 XP_034319277.1 33.3 264
153 6 69 326 36 282 2.40E-30 141.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013139 6579 320.5 UdeM00000013139 XP_033756770.1 67.7 229
73 1 1 229 130 357 1.80E-84 320.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013140 6573 185.3 UdeM00000013140 XP_021351638.1 50.5 198
76 6 5 192 7 192 7.50E-44 185.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013142 46514 64.7 UdeM00000013142 XP_038075930.1 34.1 85
48 2 7 84 722 805 6.50E-08 64.7 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000013143 6596 247.3 UdeM00000013143 XP_045209566.1 40.4 322
188 4 33 351 32 352 3.50E-62 247.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013144 6596 185.7 UdeM00000013144 XP_045209566.1 42 224
127 3 3 223 129 352 8.70E-44 185.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013145 1735272 419.9 UdeM00000013145 XP_041346684.1 33
811 493 21 108 880 25 823 8.20E-114 419.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013146 1735272 220.7 UdeM00000013146 XP_041347279.1 71.1
135 39 0 1 135 748 882 1.10E-54 220.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013147 6596 261.2 UdeM00000013147 XP_045209566.1 41.3 385
217 7 12 390 33 414 2.20E-66 261.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013148 6596 248.8 UdeM00000013148 XP_045209566.1 41.9 353
 198 6 1 349 65 414 1.00E-62 248.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013149 6596 219.5 UdeM00000013149 XP_045161541.1 43.2 292
 140 4 12 280 30 318 5.90E-54 219.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013150 6596 252.7 UdeM00000013150 XP_045209566.1 36.8 394
 238 8 4 388 29 420 7.70E-64 252.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013151 7515 59.3 UdeM00000013151 XP_026470919.1 33.6 131
 74 5 5 127 443 568 5.80E-06 59.3 7515 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Siphonaptera;Pulicomorpha
 ;Pulicoidea;Pulicidae;Archaeopsyllinae;Ctenocephalides;Ctenocephalides
 felis

UdeM00000013153 6596 765.8 UdeM00000013153 XP_045209682.1 47.6 1051
 437 26 3 996 133 1126 6.90E-218 765.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013154 6596 851.7 UdeM00000013154 XP_045209682.1 49.9 1091
 433 26 1 1034 93 1126 1.00E-243 851.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013155 1735272 180.6 UdeM00000013155 XP_041373271.1 82.1
 112 20 0 1 112 1 112 1.10E-42 180.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013156 400727 143.3 UdeM00000013156 XP_025101379.1 39.7
 209 121 2 1 207 6 211 3.50E-31 143.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000013157 6596 3712.2 UdeM00000013157 XP_045207564.1 79.8
 2278 434 12 1 2270 1 2260 0.00E+00 3712.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013158 225164 310.5 UdeM00000013158 XP_009049365.1 58.9
241 96 1 1 241 30 267 1.90E-81 310.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000013159 6596 189.5 UdeM00000013159 XP_045207561.1 46.8 233
118 3 1 233 1 227 4.90E-45 189.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013160 6573 62 UdeM00000013160 XP_021358301.1 33.3 120
75 2 193 307 154 273 1.80E-06 62 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013161 6596 1290 UdeM00000013161 XP_045210410.1 55.3 1390
492 37 61 1373 142 1478 0.00E+00 1290 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013164 6596 780 UdeM00000013164 XP_045209947.1 48.5 965
387 20 1 921 2 900 3.30E-22 780 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013166 6596 201.1 UdeM00000013166 XP_045207284.1 52.7 186
88 0 79 264 840 1025 1.80E-48 201.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013165 6579 115.5 UdeM00000013165 XP_033757806.1 57.8 90
38 0 48 137 330 419 1.20E-22 115.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013167 6596 250.4 UdeM00000013167 XP_045207284.1 58.7 213
81 2 17 225 6 215 2.90E-63 250.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013168 6573 356.7 UdeM00000013168 XP_021355187.1 38.6 617
275 17 82 658 83 635 6.60E-95 356.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013169 6579 821.2 UdeM00000013169 XP_033757804.1 57.9 775
 255 19 7 747 643 1380 1.00E-234 821.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013170 6596 132.5 UdeM00000013170 XP_045203566.1 61.3 111
 41 1 6 116 7 115 3.50E-28 132.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013171 6579 298.1 UdeM00000013171 XP_033758602.1 41.4 367
 185 6 33 377 290 648 1.20E-76 298.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013178 29159 441 UdeM00000013178 XP_011450421.2 61.4 373
 138 5 1 371 1 369 1.70E-120 441 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013179 6526 243.8 UdeM00000013179 XP_013063294.1 65.2 187
 63 2 16 202 139 323 2.00E-61 243.8 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000013180 6526 243.8 UdeM00000013180 XP_013063294.1 65.2 187
 63 2 14 200 139 323 2.00E-61 243.8 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000013181 225164 330.1 UdeM00000013181 XP_009055570.1 64.7
 272 87 5 23 294 139 401 3.10E-87 330.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000013182 6596 115.2 UdeM00000013182 XP_045208673.1 27.5 349
 229 11 4 347 103 432 1.70E-22 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013183 6579 399.8 UdeM00000013183 XP_033726154.1 86.8 234
 28 1 4 234 5 238 2.40E-108 399.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013184 6565 112.5 UdeM00000013184 XP_022311735.1 47.7 155
 30 3 3 106 52 206 3.70E-22 112.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreidae; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000013185 6579 288.1 UdeM00000013185 XP_033726154.1 65.8 237
 73 5 4 235 5 238 1.00E-74 288.1 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000013187 6579 289.7 UdeM00000013187 XP_033726154.1 77.8 185
 38 2 6 187 7 191 2.80E-75 289.7 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000013186 6579 328.9 UdeM00000013186 XP_033726154.1 71.1 232
 64 2 6 234 7 238 5.10E-87 328.9 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000013189 6579 196.4 UdeM00000013189 XP_033739209.1 52.5 177
 84 0 10 186 3 179 3.10E-47 196.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000013190 7054 113.2 UdeM00000013190 XP_031328250.1 55.4 92
 40 1 1 91 301 392 2.00E-22 113.2 7054 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elat
 eriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis
 UdeM00000013191 6579 149.4 UdeM00000013191 XP_033743220.1 42.8 180
 92 4 14 191 27 197 4.50E-33 149.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000013192 6579 149.4 UdeM00000013192 XP_033743220.1 42.8 180
 92 4 13 190 27 197 4.50E-33 149.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000013193 6573 133.7 UdeM00000013193 XP_021377831.1 23.5 575
 346 12 23 525 19 571 7.60E-28 133.7 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000013195 6596 335.1 UdeM00000013195 XP_045183817.1 66.1 236
 80 0 1 236 1 236 7.20E-89 335.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000013194 6596 1000.3 UdeM00000013194 XP_045183818.1 55.3
 921 263 2 1 921 1 772 1.60E-288 1000.3 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013196	6596	1056.6				UdeM00000013196	XP_045183818.1	65.8		
	772	262	1	1	770	1	772	1.50E-305	1056.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013197	6596	1030				UdeM00000013197	XP_045183481.1	42.4	1245	
	546	22	2	1130	30	1219	2.20E-297	1030	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013198	6596	1013.8				UdeM00000013198	XP_045183481.1	41.7		
	1245	528	20	2	1103	30	1219	1.60E-292	1013.8	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013199	10228	106.7				UdeM00000013199	XP_002109514.1	50	90	
	44	1	591	680	58	146	1.20E-19	106.7	10228	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
e;Trichoplax;Trichoplax adhaerens

UdeM00000013200	6596	1324.3				UdeM00000013200	XP_045184960.1	49.1		
	1484	631	26	43	1460	10	1435	0.00E+00	1324.3	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013201	6596	202.6				UdeM00000013201	XP_045184959.1	34.4	398	
	229	8	80	471	31	402	1.10E-48	202.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013202	6596	684.5				UdeM00000013202	XP_045184959.1	63.4	517	
	178	4	6	514	401	914	1.10E-193	684.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013203	218467					UdeM00000013203	XP_023212519.1	50.4		
	266	131	1	1	266	1	265	1.10E-64	255	218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000013204	218467					UdeM00000013204	XP_023220759.1	47.7		
	256	130	3	1	255	421	673	1.90E-55	224.2	218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
UdeM00000013205 6596 439.9 UdeM00000013205 XP_045184959.1 47.9 516
208 11 1 469 924 1425 4.40E-120 439.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013206 6579 198.7 UdeM00000013206 XP_033741736.1 53.5 187
85 1 1 185 671 857 6.80E-48 198.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013207 1735272 272.7 UdeM00000013207 XP_041374927.1 63
200 74 0 1 200 1154 1353 3.70E-70 272.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013209 6579 790 UdeM00000013209 XP_033725584.1 62.4 716
229 12 1 686 106 811 2.40E-225 790 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013210 6596 177.2 UdeM00000013210 XP_045184161.1 35.7 252
133 7 57 285 302 547 3.40E-41 177.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013211 6565 171.4 UdeM00000013211 XP_022315053.1 31.3 396
199 19 26 387 226 582 2.70E-39 171.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000013212 77115 371.7 UdeM00000013212 XP_038133904.1 62.3 273
101 1 9 281 11 281 8.30E-100 371.7 77115 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoides;Cyprinodontidae;Cyprinodontinae;Cyprinod
ontini;Cyprinodon;Cyprinodon tularosa
UdeM00000013213 6596 197.2 UdeM00000013213 XP_045184161.1 33.6 333
191 10 60 385 285 594 4.10E-47 197.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013214 1735272 60.8 UdeM00000013214 XP_041369224.1 30.7
101 70 0 83 183 32 132 2.10E-06 60.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013215 6596 323.2 UdeM00000013215 XP_045181541.1 26.4 1181
767 33 32 1153 92 1229 1.40E-84 323.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013216 6573 1788.9 UdeM00000013216 XP_021341468.1 62.2
1493 537 10 4 1488 78 1550 0.00E+00 1788.9 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013217 6573 1769.2 UdeM00000013217 XP_021341468.1 57.3
1561 625 8 9 1555 17 1550 0.00E+00 1769.2 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013219 2652724 108.2 UdeM00000013219 XP_028513771.1 47.9
121 62 1 2 122 109 228 1.40E-20 108.2 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000013221 6579 129.4 UdeM00000013221 XP_033729790.1 50 120
60 0 10 129 17 136 3.30E-27 129.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013222 10181 269.2 UdeM00000013222 XP_021101535.1 50 238
114 1 66 303 359 591 7.20E-69 269.2 10181 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Hystricomorpha;Bathyergidae;Heterocephalus;Heterocephalus glaber

UdeM00000013224 29159 325.9 UdeM00000013224 XP_034316161.1 45.1 364
199 1 1 363 645 1008 6.70E-86 325.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013225 6596 1302.7 UdeM00000013225 XP_045207510.1 65.2
1018 339 6 1 1014 214 1220 0.00E+00 1302.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013226 260995 84.7 UdeM00000013226 XP_033812940.1 52
75 35 1 4 78 4 77 6.50E-14 84.7 260995
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini

UdeM00000013227 7757 485 UdeM00000013227 XP_032835197.1 79.5 308
62 1 1 308 52 358 1.00E-133 485 7757 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000013228 6573 493.8 UdeM00000013228 XP_021341468.1 48.9 513
243 6 73 571 17 524 2.90E-136 493.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013229 8520 109.4 UdeM00000013229 XP_042306421.1 50.5 93
46 0 60 152 481 573 6.10E-21 109.4 8520 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Iguania;Phrynosomatidae;Phrynosomatinae;Sceloporus;Sceloporus undulatus

UdeM00000013230 6579 438.7 UdeM00000013230 XP_033725832.1 67.2 308
100 1 65 371 69 376 7.40E-120 438.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013231 6573 150.2 UdeM00000013231 XP_021376972.1 56.8 139
59 1 1 139 1 138 2.00E-33 150.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013232 6596 340.9 UdeM00000013232 XP_045183487.1 37 791
384 24 50 793 146 869 2.00E-89 340.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013234 29159 63.5 UdeM00000013234 XP_011434093.1 61.5 39
15 0 203 241 164 202 4.10E-07 63.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013235 29159 187.2 UdeM00000013235 XP_034318836.1 32.7 361
195 8 5 318 7 366 5.10E-44 187.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013236 6565 589.7 UdeM00000013236 XP_022318046.1 43.2 806
357 10 9 790 2 730 5.50E-165 589.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000013237 29159 211.8 UdeM00000013237 XP_034310940.1 43.3 275
147 2 46 311 456 730 1.20E-51 211.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013238 6565 436 UdeM00000013238 XP_022318046.1 53 445
191 5 3 443 2 432 6.00E-119 436 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000013239 1735272 1454.1 UdeM00000013239 XP_041356018.1
40.8 3504 1515 92 7 3265 147 3337 0.00E+00 1454.1
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013240 225164 77.8 UdeM00000013240 XP_009054150.1 65.6
61 21 0 1 61 1 61 7.70E-12 77.8 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000013241 6596 274.2 UdeM00000013241 XP_045188965.1 28.9 712
421 17 43 739 77 718 5.00E-70 274.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013242 6596 292.7 UdeM00000013242 XP_045184082.1 48.7 271
132 5 23 289 17 284 5.00E-76 292.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013243 69319 81.3 UdeM00000013243 XP_014295166.1 65.5 58
20 0 19 76 8 65 6.30E-13 81.3 69319 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
sitoida;Ichneumonoidea;Braconidae;Microgastrinae;Microplitis;Microplitis
demolitor
UdeM00000013244 6565 221.9 UdeM00000013244 XP_022327372.1 47.2 235
123 1 2 236 348 581 8.90E-55 221.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000013245 6596 137.5 UdeM00000013245 XP_045204106.1 71.6 88
25 0 7 94 223 310 1.20E-29 137.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013246 6596 594.7 UdeM00000013246 XP_045204674.1 51.8 581
273 5 1 579 1 576 1.20E-166 594.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000013248 69319 74.7 UdeM00000013248 XP_014295166.1 55.7 61
 27 0 16 76 5 65 5.90E-11 74.7 69319 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Parasitoida;
 Ichneumonoidea;Braconidae;Microgastrinae;Microplitis;Microplitis demolitor
 UdeM00000013250 6573 171 UdeM00000013250 XP_021379386.1 39.6 197
 115 3 6 200 25 219 1.50E-39 171 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013249 6573 171.4 UdeM00000013249 XP_021379386.1 39.6 197
 115 3 36 230 25 219 1.30E-39 171.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013251 6596 265 UdeM00000013251 XP_045184535.1 66.1 180
 59 1 6 183 5 184 7.20E-68 265 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000013252 6596 867.1 UdeM00000013252 XP_045183286.1 63.7 680
 227 9 73 748 2 665 1.70E-248 867.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000013253 8364 58.2 UdeM00000013253 XP_012810572.1 47.2 53
 28 0 1 53 460 512 9.10E-06 58.2 8364 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;
 Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoidea;Pipidae;
 Xenopodinae;Xenopus;Silurana;Xenopus tropicalis
 UdeM00000013254 1735272 218.8 UdeM00000013254 XP_041355495.1 41.7
 271 151 3 434 697 214 484 2.20E-53 218.8 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000013254 1735272 85.1 UdeM00000013254 XP_041355495.1 41.5
 94 53 1 351 442 46 139 3.80E-13 85.1 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000013255 1735272 218.8 UdeM00000013255 XP_041355495.1 41.7
 271 151 3 25 288 214 484 9.10E-54 218.8 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000013256 6596 413.3 UdeM00000013256 XP_045190792.1 43.1 499
 279 4 1 496 1 497 4.40E-112 413.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria

UdeM00000013258 6596 282 UdeM00000013258 XP_045190792.1 47 287
 152 0 4 290 210 496 8.90E-73 282 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria

UdeM00000013259 6596 439.9 UdeM00000013259 XP_045190792.1 44.9 499
 271 3 1 497 1 497 4.30E-120 439.9 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria

UdeM00000013260 6579 201.4 UdeM00000013260 XP_033743634.1 35.9 309
 155 3 8 316 73 338 1.80E-48 201.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000013261 6596 403.7 UdeM00000013261 XP_045190792.1 42.9 499
 281 3 1 497 1 497 3.50E-109 403.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria

UdeM00000013262 6596 307 UdeM00000013262 XP_045190792.1 39.3 399
 217 4 47 422 102 498 3.70E-80 307 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria

UdeM00000013263 6500 116.3 UdeM00000013263 XP_035826490.1 31.2 256
 141 6 2 225 3 255 5.60E-23 116.3 6500 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tec-
 tipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000013264 6596 427.9 UdeM00000013264 XP_045190792.1 43.1 501
 280 4 1 499 1 498 1.70E-116 427.9 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria

UdeM00000013265 6596 433.3 UdeM00000013265 XP_045190792.1 44.6 498
 272 3 1 496 1 496 4.10E-118 433.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria

UdeM00000013266 6596 433 UdeM00000013266 XP_045190792.1 44.3 499
 274 3 1 497 1 497 5.30E-118 433 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013267 6579 436 UdeM00000013267 XP_033725827.1 73.3 393
 98 4 38 430 1 386 1.10E-118 436 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013267 6579 57 UdeM00000013267 XP_033725827.1 65 40
 14 0 853 892 780 819 1.40E-04 57 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013268 6579 436 UdeM00000013268 XP_033725827.1 73.3 393
 98 4 37 429 1 386 1.10E-118 436 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013268 6579 57 UdeM00000013268 XP_033725827.1 65 40
 14 0 852 891 780 819 1.40E-04 57 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013269 6565 540.8 UdeM00000013269 XP_022312087.1 37.4 756
 416 18 11 748 28 744 3.50E-150 540.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013270 6573 241.5 UdeM00000013270 XP_021340469.1 32.6 374
 207 5 25 361 360 725 9.70E-60 241.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013271 6596 229.2 UdeM00000013271 XP_045206212.1 53.4 204
 95 0 4 207 327 530 4.90E-57 229.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013272 6596 96.7 UdeM00000013272 XP_045205540.1 31.2 321
 163 10 1 272 1 312 5.20E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013275 7741 77 UdeM00000013275 XP_019622111.1 49.4 81
 37 1 5 85 1 77 1.40E-11 77 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000013276 6565 62.4 UdeM00000013276 XP_022299023.1 48.5 68
 34 1 1 68 148 214 2.70E-07 62.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013277 6596 433 UdeM00000013277 XP_045183321.1 73.2 284
 74 2 1 282 1 284 3.00E-118 433 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013278 6596 246.9 UdeM00000013278 XP_045180518.1 34.6 494
 286 8 1 473 1 478 5.10E-62 246.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013279 6596 255 UdeM00000013279 XP_045180518.1 34.4 497
 283 8 1 473 1 478 1.90E-64 255 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013280 6573 97.1 UdeM00000013280 XP_021377465.1 26.5 294
 149 10 3 290 132 364 5.70E-17 97.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013282 6596 63.5 UdeM00000013282 XP_045209553.1 24.9 177
 122 4 111 281 32 203 7.20E-07 63.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013284 6596 181 UdeM00000013284 XP_045159530.1 25.1 716
 468 23 56 742 59 735 5.50E-42 181 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013285 6573 89.7 UdeM00000013285 XP_021368035.1 29.6 226
 122 7 57 280 70 260 6.60E-15 89.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013287 6573 165.2 UdeM00000013287 XP_021368035.1 31.2 349
 201 7 57 399 70 385 2.60E-37 165.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013288 6579 610.1 UdeM00000013288 XP_033725542.1 43.2 776
 418 6 1 755 5 778 3.70E-171 610.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000013289 8218 291.2 UdeM00000013289 XP_034073629.1 56.5 223
94 1 173 395 120 339 3.20E-75 291.2 8218 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupecocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Eupercaria; Perciformes; Notothenioidei; Bathydraconidae; Gymnodraco; Gymnodraco acuticeps

UdeM00000013290 6596 377.5 UdeM00000013290 XP_045209666.1 37.5 512
309 4 45 554 28 530 3.00E-101 377.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000013291 6596 151.8 UdeM00000013291 XP_045207017.1 55.6 180
80 0 21 200 22 201 9.50E-34 151.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000013292 6565 273.9 UdeM00000013292 XP_022321508.1 45.6 349
144 6 4 324 7 337 6.60E-70 273.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000013293 6579 374 UdeM00000013293 XP_033758572.1 67.7 319
69 11 1 294 1 310 1.70E-100 374 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000013294 29159 346.3 UdeM00000013294 XP_034334854.1 32.7 648
354 19 5 648 983 1552 8.70E-92 346.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000013296 6596 388.7 UdeM00000013296 XP_045156625.1 30.8 825
525 19 47 853 82 878 2.00E-104 388.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000013297 7739 555.8 UdeM00000013297 XP_035696678.1 53.4 513
222 3 2 497 423 935 5.40E-155 555.8 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma floridae

UdeM00000013298 6573 515.4 UdeM00000013298 XP_021344034.1 43.7 666
366 6 1 661 23 684 1.10E-142 515.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000013300 6565 434.9 UdeM00000013300 XP_022326296.1 63.3 349
 126 1 1 349 18 364 1.00E-118 434.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013303 336983 206.5 UdeM00000013303 XP_011818337.1 70.8
 144 41 1 1 144 1 143 2.40E-50 206.5 336983
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Catarri
 ni;Cercopithecoidea;Cercopithecidae;Colobinae;Colobus;Colobus
 angolensis;Colobus angolensis palliatus
 UdeM00000013304 6565 218.8 UdeM00000013304 XP_022344891.1 50.9 228
 105 2 5 225 1 228 8.20E-54 218.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013305 6579 80.1 UdeM00000013305 XP_033761355.1 46.1 76
 35 1 4 73 154 229 1.30E-12 80.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013306 30522 273.5 UdeM00000013306 XP_027388104.1 89.9 149
 15 0 1 149 1 149 1.60E-70 273.5 30522 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Artiodactyla;Ruminantia;Pecora;Bovidae;Bovi
 nae;Bos;Bos indicus x Bos taurus
 UdeM00000013307 6579 334.3 UdeM00000013307 XP_033733776.1 55.9 304
 130 4 2 304 381 681 1.60E-88 334.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013308 6565 226.1 UdeM00000013308 XP_022333190.1 55.7 212
 91 1 1 209 157 368 4.20E-56 226.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013309 7741 255.4 UdeM00000013309 XP_019640655.1 52.5 240
 110 3 5 242 1 238 7.40E-65 255.4 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000013310 29159 196.8 UdeM00000013310 XP_011416055.1 53.8 186
 78 3 1 183 1 181 2.40E-47 196.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013312 6579 258.1 UdeM00000013312 XP_033758668.1 43.1 297
 168 1 5 301 566 861 1.50E-65 258.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013314 6596 426.8 UdeM00000013314 XP_045190792.1 42.4 500
284 3 1 498 1 498 3.80E-116 426.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013315 6596 472.6 UdeM00000013315 XP_045207349.1 37.8 897
489 16 1 855 35 904 1.00E-129 472.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013316 6579 257.7 UdeM00000013316 XP_033758668.1 41.6 298
173 1 58 355 565 861 2.20E-65 257.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013317 6579 260 UdeM00000013317 XP_033758668.1 41.9 298
172 1 4 301 565 861 3.80E-66 260 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013318 6573 334.3 UdeM00000013318 XP_021372647.1 28 847
538 16 39 823 25 861 4.30E-88 334.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013319 6579 273.5 UdeM00000013319 XP_033758668.1 40.4 329
195 1 2 330 534 861 3.70E-70 273.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013320 1735272 371.3 UdeM00000013320 XP_041353366.1 35.6
539 341 5 90 627 41 574 2.40E-99 371.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013327 48498 63.2 UdeM00000013327 XP_020632604.1 25 176
119 5 118 287 208 376 1.00E-06 63.2 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
UdeM00000013329 6573 65.9 UdeM00000013329 XP_021366345.1 29.3 164
101 6 193 350 53 207 1.60E-07 65.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013337 48498 67 UdeM00000013337 XP_020632604.1 31.7 161
93 8 12 164 225 376 4.00E-08 67 48498 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata

UdeM00000013339 1735272 66.2 UdeM00000013339 XP_041372976.1 24.7
 239 147 8 87 299 188 419 9.40E-08 66.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013340 400727 73.6 UdeM00000013340 XP_025100004.1 28.2
 170 99 4 265 417 536 699 9.60E-10 73.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000013341 400727 91.3 UdeM00000013341 XP_025100004.1 32.7
 171 103 5 265 430 536 699 4.60E-15 91.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000013347 1735272 126.3 UdeM00000013347 XP_041360711.1 36.5
 192 113 4 5 194 6 190 4.80E-26 126.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013350 1735272 90.1 UdeM00000013350 XP_041373020.1 26.2
 317 198 13 99 399 469 765 9.60E-15 90.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013351 1735272 387.5 UdeM00000013351 XP_041353366.1 36.4
 583 350 7 1 571 1 574 3.00E-104 387.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013357 46514 144.1 UdeM00000013357 XP_038075930.1 44.7 170
 86 4 2 168 58 222 1.70E-31 144.1 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000013358 37621 77 UdeM00000013358 XP_014678955.1 41.2 102
 57 2 81 179 52 153 5.00E-11 77 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000013359 400727 1554.7 UdeM00000013359 XP_025100221.1
 76.9 993 225 2 60 1052 41 1029 0.00E+00 1554.7
 400727 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000013360 6596 1543.9 UdeM00000013360 XP_045207606.1 75.1
 1017 251 2 110 1125 17 1032 0.00E+00 1543.9 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013361	6596	1792.3		UdeM00000013361	XP_045207606.1	85.9			
1034	144	2	1	1034	1	1032	0.00E+00	1792.3	6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013362	6596	1763		UdeM00000013362	XP_045207606.1	84.9	1021		
152	2	10	1030	14	1032	0.00E+00	1763	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013364	6573	218.8		UdeM00000013364	XP_021361807.1	43.2	273		
150	2	1	268	1	273	1.10E-53	218.8	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013365	6573	199.5		UdeM00000013365	XP_021361807.1	42.5	273		
142	5	1	258	1	273	5.70E-48	199.5	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013366	6596	188.3		UdeM00000013366	XP_045208026.1	37	354		
191	8	10	343	7	348	1.90E-44	188.3	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013368	6596	184.1		UdeM00000013368	XP_045208026.1	42.2	256		
136	4	37	289	5	251	3.10E-43	184.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013369	6596	167.2		UdeM00000013369	XP_045208026.1	37.7	260		
144	5	5	258	5	252	4.60E-38	167.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013371	6596	67		UdeM00000013371	XP_045208026.1	51	51		
25	0	14	64	197	247	2.80E-08	67	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013370	6596	143.7		UdeM00000013370	XP_045208026.1	34	253		
124	6	11	232	7	247	4.50E-31	143.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013372 6596 156 UdeM00000013372 XP_045208026.1 33.8 364
197 14 8 360 5 335 1.10E-34 156 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013373 6596 183.7 UdeM00000013373 XP_045208026.1 35.2 355
191 11 10 343 7 343 4.10E-43 183.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013374 6596 130.2 UdeM00000013374 XP_045194524.1 31.5 289
189 4 18 300 16 301 5.00E-27 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013375 6596 182.2 UdeM00000013375 XP_045208187.1 41.5 270
154 3 1 266 1 270 8.90E-43 182.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013376 6596 212.2 UdeM00000013376 XP_045208187.1 49.6 274
133 4 1 270 1 273 8.00E-52 212.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013377 6596 137.9 UdeM00000013377 XP_045208187.1 52.5 183
85 2 1 181 1 183 1.90E-29 137.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013378 6596 208 UdeM00000013378 XP_045208187.1 45.4 273
146 3 1 270 1 273 1.50E-50 208 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013379 6596 213 UdeM00000013379 XP_045214542.1 43.4 244
136 1 170 413 220 461 7.20E-52 213 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013380 6596 208.8 UdeM00000013380 XP_045214542.1 42.2 251
136 2 170 420 220 461 1.40E-50 208.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013382 6573 85.9 UdeM00000013382 XP_021369049.1 52 127
55 1 4 124 81 207 7.90E-14 85.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013383 6579 173.3 UdeM00000013383 XP_033759309.1 34.8 279
172 5 1 277 1 271 6.00E-40 173.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013384 6579 141.7 UdeM00000013384 XP_033759309.1 36 247
142 5 1 242 1 236 1.60E-30 141.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013386 6573 181.8 UdeM00000013386 XP_021369049.1 36.7 278
145 3 1 250 1 275 1.10E-42 181.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013388 6596 201.4 UdeM00000013388 XP_045173241.1 30.9 582
335 22 50 588 373 930 3.10E-48 201.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013390 1735272 134 UdeM00000013390 XP_041378189.1 57.7
104 43 1 15 118 201 303 1.20E-28 134 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013392 6596 108.6 UdeM00000013392 XP_045192627.1 52.5 101
48 0 3 103 71 171 6.10E-21 108.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013391 6596 172.9 UdeM00000013391 XP_045192627.1 53.7 164
76 0 5 168 8 171 3.90E-40 172.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013393 6565 176 UdeM00000013393 XP_022336632.1 22.4 625
436 15 15 616 47 645 1.50E-40 176 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000013394 37653 80.5 UdeM00000013394 XP_014770328.1 47.2 108
 53 3 23 128 310 415 1.70E-12 80.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000013395 29159 188 UdeM00000013395 XP_011420009.2 24.2 654
 437 16 15 639 18 641 3.90E-44 188 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013396 6565 188 UdeM00000013396 XP_022336632.1 22.3 659
 443 19 15 639 47 670 3.90E-44 188 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013397 1735272 271.9 UdeM00000013397 XP_041378189.1 46.6
 305 150 4 5 304 3 299 1.20E-69 271.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013398 6579 202.2 UdeM00000013398 XP_033758968.1 24.3 683
 473 12 1 647 1 675 2.00E-48 202.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013399 6573 180.6 UdeM00000013399 XP_021366217.1 23 643
 453 15 13 639 12 628 6.20E-42 180.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013400 6565 97.1 UdeM00000013400 XP_022308052.1 38.6 145
 82 4 3 146 7 145 2.30E-17 97.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013401 29159 207.6 UdeM00000013401 XP_011420009.2 25.4 614
 411 12 5 596 28 616 4.60E-50 207.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013404 29159 79 UdeM00000013404 XP_034323800.1 25.7 202
 148 2 20 220 180 380 9.10E-12 79 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013405 6596 228 UdeM00000013405 XP_045207357.1 48.8 381
 161 11 1 373 1 355 2.10E-56 228 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013406 1735272 935.3 UdeM00000013406 XP_041373153.1 68.6
 724 198 5 1 721 1 698 4.80E-269 935.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013407 29159 215.7 UdeM00000013407 XP_011455332.2 41.4 302
151 8 10 299 33 320 8.20E-53 215.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013408 6573 2062.3 UdeM00000013408 XP_021377318.1 50.2
2142 992 22 37 2119 31 2157 0.00E+00 2062.3 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013409 6579 200.3 UdeM00000013409 XP_033761306.1 30.2 447
234 16 3 382 269 704 4.60E-48 200.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013410 29159 145.6 UdeM00000013410 XP_034302097.1 50 132
66 0 1 132 73 204 4.70E-32 145.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013411 6596 195.3 UdeM00000013411 XP_045179451.1 41.7 254
140 4 37 285 4 254 1.10E-46 195.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013412 6596 317 UdeM00000013412 XP_045201968.1 35.4 458
274 6 11 448 104 559 4.00E-83 317 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013413 6596 276.9 UdeM00000013413 XP_045201968.1 35.1 393
233 6 11 383 169 559 4.00E-71 276.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013414 6596 300.1 UdeM00000013414 XP_045164047.1 29.5 641
316 15 36 548 51 683 6.00E-78 300.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013415 6596 160.6 UdeM00000013415 XP_045209566.1 34.1 270
176 2 25 293 33 301 3.10E-36 160.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013417 6596 188 UdeM00000013417 XP_045209566.1 36.1 327
 198 7 11 331 17 338 2.40E-44 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013416 6596 188 UdeM00000013416 XP_045209566.1 36.1 327
 198 7 18 338 17 338 2.40E-44 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013419 6596 77.4 UdeM00000013419 XP_045187491.1 23.8 261
 180 4 25 276 19 269 4.10E-11 77.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013421 6596 87.4 UdeM00000013421 XP_045187491.1 26.4 261
 170 5 18 267 18 267 4.70E-14 87.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013422 29159 114.4 UdeM00000013422 XP_011451278.2 28.6 259
 163 8 34 276 28 280 2.50E-22 114.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013423 88015 222.6 UdeM00000013423 XP_023330573.1 39.9 434
 212 11 1 388 875 1305 8.50E-55 222.6 88015 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Gymnoplea;Calanoida;Temorida
 e;Eurytemora;Eurytemora affinis
 UdeM00000013424 6565 215.3 UdeM00000013424 XP_022325724.1 51.7 232
 94 3 22 235 52 283 8.30E-53 215.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013425 225164 334.3 UdeM00000013425 XP_009054694.1 66
 238 80 1 1 238 1 237 1.20E-88 334.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000013426 1735272 429.9 UdeM00000013426 XP_041373629.1 68.6
 296 93 0 37 332 31 326 3.20E-117 429.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013427 400727 441 UdeM00000013427 XP_025100283.1 62
 345 115 3 1 340 1 334 1.30E-120 441 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000013428 6596 473 UdeM00000013428 XP_045209954.1 50.5 436
 210 5 2 432 146 580 4.00E-130 473 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000013429 6596 152.1 UdeM00000013429 XP_045209954.1 59.4 133
 50 3 63 194 17 146 8.20E-34 152.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000013430 6596 835.1 UdeM00000013430 XP_045209952.1 68.2 559
 176 2 1 558 1 558 5.30E-239 835.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000013431 6596 819.3 UdeM00000013431 XP_045209952.1 66.9 559
 183 2 1 558 1 558 3.00E-234 819.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000013432 6596 375.9 UdeM00000013432 XP_045187763.1 36.8 570
 247 7 4 465 3 567 7.20E-101 375.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000013433 29159 205.3 UdeM00000013433 XP_034299573.1 37.8 291
 165 5 40 322 1 283 1.20E-49 205.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013434 6579 418.7 UdeM00000013434 XP_033757921.1 85 227
 33 1 1 226 1 227 6.60E-114 418.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013435 6596 121.3 UdeM00000013435 XP_045208392.1 49.2 132
 47 3 1 132 6 117 1.40E-24 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000013436 6596 164.9 UdeM00000013436 XP_045209470.1 41.9 234
 130 2 4 232 6 238 1.30E-37 164.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013437 6596 137.5 UdeM00000013437 XP_045209470.1 48.5 167
85 1 4 170 6 171 1.80E-29 137.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013438 6596 89.4 UdeM00000013438 XP_045207118.1 39.3 135
78 1 11 145 4 134 4.60E-15 89.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013439 29159 452.2 UdeM00000013439 XP_011455855.1 73.8 290
74 1 1 290 1 288 4.90E-124 452.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013440 32473 96.3 UdeM00000013440 XP_027884920.1 30.2 245
114 8 828 1020 327 566 2.40E-16 96.3 32473 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoides;Poeciliidae;Poeciliinae;Xiphophorus;Xiphophorus couchianus

UdeM00000013441 7574 307.8 UdeM00000013441 XP_013419855.1 60.3 252
91 2 22 267 197 445 1.40E-80 307.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000013442 6500 241.5 UdeM00000013442 XP_005110648.1 59.1 186
76 0 1 186 8 193 8.70E-61 241.5 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000013443 6500 236.9 UdeM00000013443 XP_005110648.1 58.8 187
76 1 1 187 8 193 2.20E-59 236.9 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000013444 6579 330.9 UdeM00000013444 XP_033758480.1 72.7 556
150 2 1 554 1 556 3.20E-87 330.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013445 6579 336.3 UdeM00000013445 XP_033758479.1 73.2 559
148 2 1 557 1 559 7.60E-89 336.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013446 29159 187.6 UdeM00000013446 XP_034303022.1 45.7 221
88 5 195 402 1960 2161 3.20E-44 187.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013447 29159 248.1 UdeM00000013447 XP_034303025.1 36.1 881
477 25 6 848 722 1554 5.40E-62 248.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013448 6579 309.3 UdeM00000013448 XP_033757922.1 31.3 691
357 11 1 679 32 616 1.30E-80 309.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013449 6596 634 UdeM00000013449 XP_045207717.1 53.2 631
253 9 1 599 1 621 2.00E-178 634 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013450 6596 665.6 UdeM00000013450 XP_045207717.1 54.7 645
222 10 1 591 1 629 6.00E-188 665.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013451 6596 182.6 UdeM00000013451 XP_045208504.1 35.7 266
169 1 7 270 4 269 6.90E-43 182.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013452 1735272 290 UdeM00000013452 XP_041373135.1 45.3
338 176 6 4 339 9 339 3.90E-75 290 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013453 400727 93.2 UdeM00000013453 XP_025100206.1 56.3
87 35 2 125 210 44 128 4.40E-16 93.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000013454 6596 160.2 UdeM00000013454 XP_045207530.1 48.2 224
58 6 11 217 10 192 3.40E-36 160.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013455 6596 485 UdeM00000013455 XP_045207530.1 71.9 335
 78 6 6 328 188 518 7.80E-134 485 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013456 1735272 128.6 UdeM00000013456 XP_041372841.1 66.7
 126 40 2 1 126 63 186 5.50E-27 128.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013457 7741 200.7 UdeM00000013457 XP_019632005.1 47.1 223
 101 5 12 221 9 227 2.90E-48 200.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000013458 225164 191 UdeM00000013458 XP_009061726.1 41.2
 250 140 3 82 324 1156 1405 2.70E-45 191 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000013459 6596 568.9 UdeM00000013459 XP_045216427.1 47.7 633
 295 7 1 613 237 853 9.40E-159 568.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013460 6565 276.2 UdeM00000013460 XP_022344612.1 32.8 528
 225 6 10 414 1351 1871 7.60E-71 276.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013461 1735272 253.4 UdeM00000013461 XP_041369346.1 45.7
 300 146 8 19 311 38 327 4.00E-64 253.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013462 1735272 250.8 UdeM00000013462 XP_041369346.1 43.8
 308 153 7 19 316 38 335 2.60E-63 250.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013463 6573 131.3 UdeM00000013463 XP_021377309.1 32.8 238
 156 2 93 326 427 664 2.30E-27 131.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013464 1735272 154.5 UdeM00000013464 XP_041366822.1 39.7
 232 133 3 354 579 3 233 8.20E-34 154.5 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013465 1735272 330.5 UdeM00000013465 XP_041369346.1 41.8
467 245 9 1 448 1 459 3.40E-87 330.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013466 6573 132.1 UdeM00000013466 XP_021377309.1 37.9 190
111 3 586 769 476 664 3.00E-27 132.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013467 1735272 322.4 UdeM00000013467 XP_041369346.1 41.7
460 224 13 14 442 13 459 9.10E-85 322.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013468 6596 148.7 UdeM00000013468 XP_045209314.1 32 309
179 7 12 304 13 306 1.50E-32 148.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000013469 1735272 143.7 UdeM00000013469 XP_041369341.1 42.3
182 104 1 952 1133 403 583 1.50E-30 143.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013470 1735272 321.2 UdeM00000013470 XP_041369346.1 41.7
460 224 13 14 442 13 459 2.00E-84 321.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013471 6596 154.1 UdeM00000013471 XP_045209271.1 32.9 334
205 8 17 333 22 353 3.50E-34 154.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000013472 6596 147.1 UdeM00000013472 XP_045209271.1 32.8 335
205 9 17 334 22 353 4.30E-32 147.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000013475 6579 134 UdeM00000013475 XP_033758551.1 43.5 154
84 1 118 268 468 621 2.80E-28 134 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013479 1735272 127.9 UdeM00000013479 XP_041369341.1 53.4
116 54 0 16 131 468 583 1.00E-26 127.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013480 1735272 117.9 UdeM00000013480 XP_041369341.1 41.9
167 88 3 25 187 422 583 1.50E-23 117.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013481 1735272 141.7 UdeM00000013481 XP_041369341.1 41.8
182 105 1 622 803 403 583 4.00E-30 141.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013482 1735272 250.8 UdeM00000013482 XP_041369346.1 36.8
456 200 13 14 390 13 459 3.00E-63 250.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013483 1735272 117.1 UdeM00000013483 XP_041369342.1 46.7
135 69 3 14 147 31 163 1.90E-23 117.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013484 6596 154.5 UdeM00000013484 XP_045209271.1 33.2 334
204 8 17 333 22 353 2.70E-34 154.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013485 6596 148.7 UdeM00000013485 XP_045209271.1 32.8 335
202 9 17 331 22 353 1.50E-32 148.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013487 1735272 128.3 UdeM00000013487 XP_041369341.1 42.9
161 85 2 407 560 423 583 3.20E-26 128.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000013488 6596 120.2 UdeM00000013488 XP_045209612.1 29 279
185 4 11 278 8 284 7.90E-24 120.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013489 6596 149.8 UdeM00000013489 XP_045209271.1 32.8 335
 205 9 17 334 22 353 6.60E-33 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013490 6579 137.1 UdeM00000013490 XP_033758551.1 44.9 158
 83 3 392 545 464 621 6.70E-29 137.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013491 6596 69.7 UdeM00000013491 XP_045209612.1 31.1 151
 93 3 1 142 136 284 9.80E-09 69.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013493 6596 497.7 UdeM00000013493 XP_045207378.1 47 500
 259 4 1 497 2 498 1.80E-137 497.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013494 6579 148.7 UdeM00000013494 XP_033758757.1 41.5 248
 90 7 3 231 2 213 9.40E-33 148.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013495 29159 540 UdeM00000013495 XP_034303556.1 47.9 614
 299 9 1 609 1 598 3.80E-150 540 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013496 6596 88.6 UdeM00000013496 XP_045207494.1 61.8 76
 26 1 17 89 2 77 7.50E-15 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013497 6596 609.4 UdeM00000013497 XP_045207494.1 76.7 382
 86 1 41 422 102 480 3.60E-171 609.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013498 6596 244.6 UdeM00000013498 XP_045207354.1 54.1 220
 82 4 186 403 146 348 2.20E-61 244.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013499 6596 82.4 UdeM00000013499 XP_045208667.1 25.3 257
 168 8 25 271 80 322 1.20E-12 82.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013500 6596 122.1 UdeM00000013500 XP_045208667.1 28.8 271
 185 3 10 273 74 343 1.30E-24 122.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013501 6596 69.3 UdeM00000013501 XP_045161599.1 26.2 195
 125 4 14 189 28 222 8.00E-09 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013510 29159 86.7 UdeM00000013510 XP_034307860.1 50.6 83
 41 0 1 83 1 83 1.60E-14 86.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013514 6596 64.7 UdeM00000013514 XP_045208667.1 23.4 269
 178 9 29 286 75 326 2.60E-07 64.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013516 6596 143.3 UdeM00000013516 XP_045166258.1 45.6 160
 82 2 2 161 103 257 2.70E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013517 6579 174.5 UdeM00000013517 XP_033730233.1 63.8 141
 48 2 1 139 369 508 9.60E-41 174.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013522 6596 65.5 UdeM00000013522 XP_045211114.1 25 252
 165 7 14 263 11 240 1.50E-07 65.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013533 6573 1657.1 UdeM00000013533 XP_021345690.1 64.4
 1412 473 10 1 1398 1 1397 0.00E+00 1657.1 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013534 6573 785 UdeM00000013534 XP_021345689.1 78.9 513
 105 3 503 1012 1405 1917 1.10E-223 785 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013535 6596 157.5 UdeM00000013535 XP_045182138.1 30.8 344
231 3 114 453 58 398 4.00E-35 157.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013536 6596 261.5 UdeM00000013536 XP_045208212.1 33.3 478
281 11 80 526 96 566 2.30E-66 261.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013537 6596 260 UdeM00000013537 XP_045208212.1 34 479
274 13 73 516 96 567 6.40E-66 260 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013538 6596 252.7 UdeM00000013538 XP_045208212.1 33 466
272 10 168 600 95 553 1.20E-63 252.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013539 6596 259.6 UdeM00000013539 XP_045208212.1 33.3 460
277 9 28 459 96 553 7.80E-66 259.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013540 6596 248.1 UdeM00000013540 XP_045208212.1 33.4 461
273 13 39 468 96 553 2.40E-62 248.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013541 6596 255.8 UdeM00000013541 XP_045208212.1 33 473
281 12 25 464 97 566 1.10E-64 255.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013542 6596 228.8 UdeM00000013542 XP_045208212.1 30.2 474
299 12 33 477 96 566 1.50E-56 228.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013543 6596 260.8 UdeM00000013543 XP_045208212.1 34.5 475
275 12 23 465 96 566 3.40E-66 260.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013545 6573 361.7 UdeM00000013545 XP_021371247.1 35 566
357 8 12 572 80 639 1.70E-96 361.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013546 6596 261.5 UdeM00000013546 XP_045208212.1 32.9 474
280 12 7 444 95 566 1.90E-66 261.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013547 37653 99.8 UdeM00000013547 XP_014769497.1 42 200
82 14 24 210 20 198 4.80E-18 99.8 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000013548 400727 247.3 UdeM00000013548 XP_025081082.1 59.1
381 103 11 178 507 275 653 4.20E-62 247.3 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000013549 6596 510.8 UdeM00000013549 XP_045212898.1 33.2 903
551 18 1 880 366 1239 3.60E-141 510.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013550 6596 612.8 UdeM00000013550 XP_045186644.1 34 1010
621 18 92 1080 46 1030 8.20E-172 612.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013551 6573 167.5 UdeM00000013551 XP_021358159.1 37 270
157 7 3 262 394 660 3.60E-38 167.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000013552 29159 134 UdeM00000013552 XP_034324268.1 35.2 244
120 11 553 770 850 1081 8.30E-28 134 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013553 29159 137.1 UdeM00000013553 XP_034328389.1 36.9 203
88 7 816 985 674 869 1.30E-28 137.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000013554 29159 137.1 UdeM00000013554 XP_034328389.1 36.9 203
88 7 587 756 674 869 1.10E-28 137.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013556 6596 198.4 UdeM00000013556 XP_045173241.1 32.2 482
283 15 904 1366 393 849 6.10E-47 198.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013557 6596 198.4 UdeM00000013557 XP_045173241.1 32.2 482
283 15 874 1336 393 849 6.00E-47 198.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013559 6579 283.1 UdeM00000013559 XP_033759079.1 85 227
34 0 12 238 1652 1878 3.30E-73 283.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013558 6579 283.5 UdeM00000013558 XP_033759079.1 85.5 227
33 0 68 294 1652 1878 3.10E-73 283.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013560 6596 252.3 UdeM00000013560 XP_045207701.1 38.8 894
384 27 1 840 168 952 2.20E-63 252.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013561 6565 149.4 UdeM00000013561 XP_022320478.1 59 117
48 0 3 119 8 124 2.90E-33 149.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000013562 6573 353.6 UdeM00000013562 XP_021373771.1 47.3 402
186 9 6 396 16 402 3.50E-94 353.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013563 6596 331.6 UdeM00000013563 XP_045209696.1 91.8 170
12 1 1 168 7 176 5.70E-88 331.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013564 6596 192.2 UdeM00000013564 XP_045210075.1 76.1 134
31 1 13 146 5 137 4.70E-46 192.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013565 6565 284.6 UdeM00000013565 XP_022321126.1 35.4 796
 361 20 7 718 11 737 3.40E-73 284.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013566 6596 205.3 UdeM00000013566 XP_045169793.1 53 217
 86 6 1 207 1 211 8.30E-50 205.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013567 1735272 145.2 UdeM00000013567 XP_041347065.1 68.4
 95 30 0 1 95 1 95 5.60E-32 145.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013568 6596 548.9 UdeM00000013568 XP_045209694.1 64 553
 162 10 59 587 69 608 7.90E-153 548.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013569 6596 396.7 UdeM00000013569 XP_045209694.1 67.1 395
 101 6 1 376 224 608 3.20E-107 396.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013570 6596 521.9 UdeM00000013570 XP_045210085.1 56.6 484
 198 9 4 481 32 509 8.40E-145 521.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013571 8128 443.4 UdeM00000013571 XP_019211780.1 41.1 540
 303 5 50 579 183 717 7.70E-121 443.4 8128 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African
 cichlids;Pseudocrenilabrinae;Oreochromini;Oreochromis;Oreochromis
 niloticus
 UdeM00000013572 215358 65.1 UdeM00000013572 XP_027134537.1 58.3
 60 25 0 10 69 46 105 4.40E-08 65.1 215358
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae
 sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000013573 6596 493 UdeM00000013573 XP_045207678.1 79.4 296
 61 0 1 296 1 296 2.60E-136 493 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
 a mercenaria

UdeM00000013574 37003 87 UdeM00000013574 XP_024858324.1 27.7 267
 169 7 36 291 26 279 4.60E-14 87 37003 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo-
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp-
 rinodontiformes;Aplocheiloidei;Rivulidae;Kryptolebias;Kryptolebias
 marmoratus

UdeM00000038457 6565 483 UdeM00000038457 XP_022339358.1 59.9 601
 162 5 228 814 180 715 1.40E-132 483 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr-
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038458 6579 130.2 UdeM00000038458 XP_033756674.1 65.4 107
 27 2 6 111 16 113 1.70E-27 130.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038459 6579 391.3 UdeM00000038459 XP_033756675.1 69.1 269
 82 1 1 269 1 268 1.20E-105 391.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038460 29159 213.4 UdeM00000038460 XP_011419796.1 85.8 120
 15 1 8 127 315 432 1.70E-52 213.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr-
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038461 1735272 75.5 UdeM00000038461 XP_041373507.1 36.7
 169 99 7 157 324 69 230 1.60E-10 75.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel-
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038462 6579 169.1 UdeM00000038462 XP_033758269.1 27.3 490
 311 12 20 472 205 686 1.40E-38 169.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038463 8240 67 UdeM00000038463 XP_042279317.1 27.7 224
 138 7 95 305 631 843 8.30E-08 67 8240 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo-
 rphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombr-
 idae;Scombrinae;Thunnini;Thunnus;Thunnus maccoyii

UdeM00000038464 6596 70.1 UdeM00000038464 XP_045201969.1 68.8 48
 15 0 10 57 32 79 3.00E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038465 6596 73.9 UdeM00000038465 XP_045202576.1 63.9 61
 21 1 1 60 124 184 2.10E-10 73.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038466 6596 107.1 UdeM00000038466 XP_045187052.1 62 92
 33 2 1 91 198 288 1.40E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038467 6596 92.4 UdeM00000038467 XP_045202346.1 47.6 82
 43 0 25 106 91 172 4.10E-16 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038468 6596 81.6 UdeM00000038468 XP_045208944.1 23.6 254
 114 4 1 175 42 294 1.20E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038471 6596 268.9 UdeM00000038471 XP_045188553.1 35.7 457
 264 9 2 438 635 1081 1.30E-68 268.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038472 1735272 70.1 UdeM00000038472 XP_041361601.1 29.5
 149 72 4 1 143 404 525 3.20E-09 70.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000033269 6579 959.1 UdeM00000033269 XP_033764242.1 68.5 714
 213 7 3 712 1 706 3.10E-276 959.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033270 6596 669.5 UdeM00000033270 XP_045161537.1 62.1 589
 196 6 32 594 4 591 4.00E-189 669.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033271 6596 480.7 UdeM00000033271 XP_045162378.1 35.9 1001
 524 25 22 991 384 1297 5.20E-132 480.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033272 6596 213.8 UdeM00000033272 XP_045162378.1 40.1 339
 179 9 1 329 393 717 3.40E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033273 6596 107.5 UdeM00000033273 XP_045162378.1 62.4 101
 31 3 7 105 258 353 1.80E-20 107.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033274 6596 140.2 UdeM00000033274 XP_045162197.1 46.9 130
 69 0 1 130 14 143 3.40E-30 140.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033275 6596 508.4 UdeM00000033275 XP_045162197.1 57.4 413
 175 1 13 424 181 593 1.20E-140 508.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033276 6573 607.8 UdeM00000033276 XP_021372867.1 43.8 849
 403 15 82 923 603 1384 4.70E-170 607.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033278 6596 354.4 UdeM00000033278 XP_045163542.1 55 300
 131 2 10 308 13 309 1.50E-94 354.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033280 6596 90.9 UdeM00000033280 XP_045162745.1 30.8 169
 97 7 8 163 6 167 1.90E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033281 6596 393.7 UdeM00000033281 XP_045163584.1 64.2 360
 128 1 5 364 10 368 2.60E-106 393.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033282 6579 223 UdeM00000033282 XP_033752673.1 62.9 170
 63 0 34 203 475 644 3.40E-55 223 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033283 1250792 224.2 UdeM00000033283 XP_041860347.1 52.1
 194 93 0 51 244 192 385 1.80E-55 224.2 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
 eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani
 UdeM00000033284 6596 232.6 UdeM00000033284 XP_045161120.1 43.9 278
 155 1 234 510 82 359 1.10E-57 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033288 6579 231.9 UdeM00000033288 XP_033764362.1 45.7 280
 131 4 1 278 1 261 1.00E-57 231.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033289 6573 107.8 UdeM00000033289 XP_021366551.1 63.4 93
 30 1 15 103 323 415 8.70E-21 107.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033290 7574 363.6 UdeM00000033290 XP_013412013.1 57.5 332
 140 1 287 617 354 685 5.20E-97 363.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000033291 400727 264.2 UdeM00000033291 XP_025083327.1 79.4
 194 40 0 1 194 1 194 1.30E-67 264.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000033292 6596 436.8 UdeM00000033292 XP_045163382.1 66.7 342
 108 3 1 342 1 336 2.60E-119 436.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033293 6579 148.7 UdeM00000033293 XP_033763715.1 33.4 347
 214 5 198 528 191 536 2.30E-32 148.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033294 7741 147.9 UdeM00000033294 XP_019637445.1 82.5 80
 14 0 1 80 60 139 6.40E-33 147.9 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri

UdeM00000033295 6565 432.6 UdeM00000033295 XP_022341048.1 65.7 312
104 2 1 311 142 451 4.80E-118 432.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033297 113540 536.2 UdeM00000033297 XP_029110631.1 35.3
853 527 14 5 840 14 858 1.10E-148 536.2 113540
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossoccephalai;Osteoglo
ssocephala;Osteoglossomorpha;Osteoglossiformes;Osteoglossidae;Scleropages
;Scleropages formosus

UdeM00000033298 113540 538.9 UdeM00000033298 XP_029110631.1 36
836 508 15 78 895 32 858 1.70E-149 538.9 113540
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossoccephalai;Osteoglo
ssocephala;Osteoglossomorpha;Osteoglossiformes;Osteoglossidae;Scleropages
;Scleropages formosus

UdeM00000033299 29159 112.8 UdeM00000033299 XP_034306975.1 39.7 141
84 1 39 178 179 319 4.50E-22 112.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033300 6579 755.7 UdeM00000033300 XP_033724709.1 70.8 493
144 0 15 507 23 515 3.70E-215 755.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033301 6596 386.7 UdeM00000033301 XP_045167151.1 45.6 557
292 8 23 572 218 770 5.90E-104 386.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033302 6596 372.9 UdeM00000033302 XP_045167151.1 49.8 444
216 5 59 499 332 771 6.80E-100 372.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033303 6596 215.7 UdeM00000033303 XP_045167150.1 39.6 374
201 10 5 366 57 417 1.10E-52 215.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000033304 6596 560.1 UdeM00000033304 XP_045167151.1 45 767
403 12 71 827 38 795 5.10E-156 560.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033305 6596 380.2 UdeM00000033305 XP_045167151.1 48.6 475
234 7 4 472 325 795 4.40E-102 380.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033306 6596 208 UdeM00000033306 XP_045166389.1 37.2 352
211 8 24 369 42 389 2.40E-50 208 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033307 6579 187.6 UdeM00000033307 XP_033724612.1 52.9 153
68 2 26 178 28 176 1.40E-44 187.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033308 6596 260.8 UdeM00000033308 XP_045162921.1 39.9 346
196 5 7 349 10 346 2.60E-66 260.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033309 6596 689.9 UdeM00000033309 XP_045162921.1 43.6 901
463 16 7 893 10 879 4.90E-195 689.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033310 6596 331.3 UdeM00000033310 XP_045162036.1 44 521
243 14 16 501 821 1327 2.20E-87 331.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033312 50390 571.6 UdeM00000033312 XP_028142380.1 54.8 427
193 0 1 427 5 431 8.30E-160 571.6 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000033313 72036 282.3 UdeM00000033313 XP_040576246.1 40.9 350
200 4 4 351 17 361 9.80E-73 282.3 72036 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;Caligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000033314 1232801 60.5 UdeM00000033314 XP_043214649.1 42.4
 66 31 1 35 93 2516 2581 1.40E-06 60.5 1232801
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Thecostraca;Cirripectida;Thoracica;Sessilia;Balanid
 ae;Amphibalanus;Amphibalanus amphitrite
 UdeM00000033315 1232801 60.5 UdeM00000033315 XP_043214649.1 42.4
 66 31 1 35 93 2516 2581 1.40E-06 60.5 1232801
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Thecostraca;Cirripectida;Thoracica;Sessilia;Balanid
 ae;Amphibalanus;Amphibalanus amphitrite
 UdeM00000032814 6579 365.5 UdeM00000032814 XP_033752456.1 94 183
 11 0 1 183 1 183 3.90E-98 365.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032815 6579 311.6 UdeM00000032815 XP_033752456.1 95.9 147
 6 0 12 158 37 183 5.70E-82 311.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032816 29159 619 UdeM00000032816 XP_034332943.1 68.2 412
 123 4 3 409 28 436 4.30E-174 619 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032817 6573 458 UdeM00000032817 XP_021342464.1 64 331
 113 2 3 328 5 334 1.00E-125 458 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032818 6596 801.2 UdeM00000032818 XP_045174868.1 59.2 660
 261 4 3 657 2 658 1.00E-228 801.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032819 6596 284.3 UdeM00000032819 XP_045174700.1 69.9 209
 41 3 85 281 1489 1687 1.70E-73 284.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032820 6596 1495.7 UdeM00000032820 XP_045174700.1 58.5
 1486 503 31 1 1424 1 1435 0.00E+00 1495.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032821 6596 1496.9 UdeM00000032821 XP_045174700.1 58.7
 1488 509 32 1 1435 1 1435 0.00E+00 1496.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032822 4155 126.7 UdeM00000032822 XP_012833272.1 43.2 146
 83 0 2 147 136 281 3.10E-26 126.7 4155 cellular
 organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
 ;Tracheophyta;Euphylllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
 udicotyledons;Gunneridae;Pentapetalae;asterids;lamiids;Lamiales;Phrymacea
 e;Erythranthe;Erythranthe guttata
 UdeM00000032823 6596 265.4 UdeM00000032823 XP_045175657.1 59.6 213
 86 0 10 222 13 225 6.60E-68 265.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032824 1735272 434.9 UdeM00000032824 XP_041350427.1 50.5
 455 221 3 112 562 36 490 1.60E-118 434.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032825 225164 70.1 UdeM00000032825 XP_009056511.1 47.6
 84 35 3 32 107 1 83 2.00E-09 70.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000032826 6596 571.6 UdeM00000032826 XP_045177155.1 59.9 454
 176 3 1 450 2 453 8.70E-160 571.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032827 7574 362.1 UdeM00000032827 XP_013408985.1 79.4 228
 47 0 7 234 1 228 5.60E-97 362.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000032828 6596 498.8 UdeM00000032828 XP_045176903.1 46 831
 332 26 140 876 263 1070 1.40E-137 498.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032829 6596 529.6 UdeM00000032829 XP_045176903.1 47.5 832
 338 26 140 896 263 1070 7.60E-147 529.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032830 6596 338.6 UdeM00000032830 XP_045176901.1 85.5 186
 27 0 1 186 1114 1299 5.10E-90 338.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032831 6596 228.8 UdeM00000032831 XP_045177413.1 65 177
 56 3 3 176 1 174 5.40E-57 228.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032832 29159 382.9 UdeM00000032832 XP_034315846.1 52.3 577
 243 7 3 560 2 565 7.20E-103 382.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032833 6596 290.8 UdeM00000032833 XP_045174745.1 38.2 641
 320 21 13 609 28 636 4.00E-75 290.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032834 6573 808.9 UdeM00000032834 XP_021338950.1 68 581
 185 1 1 581 1 580 5.40E-231 808.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032835 6579 117.1 UdeM00000032835 XP_033751571.1 34.5 165
 107 1 46 209 194 358 2.80E-23 117.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032836 6579 117.1 UdeM00000032836 XP_033751571.1 34.5 165
 107 1 46 209 194 358 2.80E-23 117.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032837 6596 585.5 UdeM00000032837 XP_045164383.1 51.8 608
 274 5 3 591 145 752 8.00E-164 585.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032838 6596 658.3 UdeM00000032838 XP_045164383.1 49 718
 335 7 3 689 145 862 1.10E-185 658.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032840 6596 467.2 UdeM00000032840 XP_045174288.1 73.7 316
 75 2 10 324 133 441 1.70E-128 467.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032839 6596 625.9 UdeM00000032839 XP_045174288.1 70.1 448
 119 3 1 440 1 441 3.80E-176 625.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032841 6596 162.9 UdeM00000032841 XP_045174288.1 60.9 133
 45 1 1 126 1 133 3.00E-37 162.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032842 6579 73.9 UdeM00000032842 XP_033752753.1 24.4 308
 186 9 17 281 29 332 4.40E-10 73.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032843 6596 420.2 UdeM00000032843 XP_045175159.1 91.2 228
 20 0 1 228 1 228 1.70E-114 420.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032844 6596 338.2 UdeM00000032844 XP_045175156.1 90.5 179
 17 0 2 180 79 257 6.80E-90 338.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032845 6945 322 UdeM00000032845 XP_040075067.1 68.7 249
 65 3 1 248 2 238 6.60E-85 322 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000032846 10224 580.9 UdeM00000032846 XP_002735881.1 59.4 475
 187 2 12 485 5 474 1.50E-162 580.9 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000032847 6596 205.7 UdeM00000032847 XP_045174516.1 36.6 453
 227 9 1 443 1 403 1.70E-49 205.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032848 6596 205.7 UdeM00000032848 XP_045174516.1 36.6 453
 227 9 1 443 1 403 1.70E-49 205.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032849 6573 264.2 UdeM00000032849 XP_021369023.1 57.1 233
 94 2 33 260 1 232 1.70E-67 264.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032850 6573 264.6 UdeM00000032850 XP_021369023.1 57.1 233
 94 2 1 228 1 232 1.20E-67 264.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032851 6596 837 UdeM00000032851 XP_045176149.1 47.2 1219
 514 23 13 1125 80 1274 2.80E-239 837 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032852 6596 793.9 UdeM00000032852 XP_045176152.1 46.8 1202
 501 24 13 1099 80 1257 2.70E-226 793.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032853 6579 157.5 UdeM00000032853 XP_033752078.1 36.8 280
 131 7 812 1047 2 279 9.10E-35 157.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032854 6596 426.8 UdeM00000032854 XP_045175921.1 63.7 416
 121 2 1 388 1 414 3.10E-116 426.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032855 6596 266.5 UdeM00000032855 XP_045176144.1 60.9 215
 73 3 9 221 5 210 3.00E-68 266.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032856 6596 239.2 UdeM00000032856 XP_045158901.1 48.5 241
 122 2 1 240 10 249 5.50E-60 239.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032857 6573 295.8 UdeM00000032857 XP_021360896.1 43.3 436
 180 7 7 377 236 669 1.80E-76 295.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032858 6596 104.8 UdeM00000032858 XP_045175830.1 37.6 165
 101 2 5 168 4 167 1.20E-19 104.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032859 6596 103.6 UdeM00000032859 XP_045175830.1 35.5 172
 99 4 3 169 4 168 2.80E-19 103.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032860 6596 371.7 UdeM00000032860 XP_045173162.1 70.2 245
 68 3 1 245 1 240 7.20E-100 371.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032861 6596 140.6 UdeM00000032861 XP_045187765.1 67.3 101
 30 2 1 101 1 98 1.10E-30 140.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032862 6596 186 UdeM00000032862 XP_045187765.1 71.6 116
 32 1 1 116 121 235 2.70E-44 186 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032863 6596 269.6 UdeM00000032863 XP_045162039.1 61 205
 71 3 1 202 6 204 3.20E-69 269.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032864 6596 266.9 UdeM00000032864 XP_045162039.1 64.9 185
 59 2 16 200 26 204 2.10E-68 266.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032865 6596 241.5 UdeM00000032865 XP_045162039.1 64.9 168
 53 2 2 169 43 204 7.90E-61 241.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032866 1735272 98.2 UdeM00000032866 XP_041365892.1 37.5
 120 75 0 1 120 1601 1720 1.90E-17 98.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032867 6565 205.7 UdeM00000032867 XP_022309566.1 50.6 164
 81 0 310 473 709 872 1.50E-49 205.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032868 6565 129.4 UdeM00000032868 XP_022325073.1 41.7 204
105 8 244 439 625 822 1.40E-26 129.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032869 6596 917.1 UdeM00000032869 XP_045176532.1 53.4 834
319 4 1 825 62 834 1.50E-263 917.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032870 6596 929.9 UdeM00000032870 XP_045176532.1 56.4 773
328 2 1 764 62 834 2.10E-267 929.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032871 6596 201.4 UdeM00000032871 XP_045176531.1 59 156
64 0 1 156 679 834 8.30E-49 201.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032872 6579 441.4 UdeM00000032872 XP_033752807.1 46.6 455
242 1 13 467 15 468 1.40E-120 441.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032873 6579 446 UdeM00000032873 XP_033752807.1 46.8 464
242 2 4 463 6 468 5.70E-122 446 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032874 6573 105.1 UdeM00000032874 XP_021360895.1 42.4 250
100 10 1 216 1 240 1.50E-19 105.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000027527 6596 186 UdeM00000027527 XP_045161977.1 47.1 478
216 10 100 558 101 560 1.30E-43 186 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027528 6596 283.9 UdeM00000027528 XP_045161977.1 85.2 155
23 0 1 155 567 721 1.20E-73 283.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027529 6573 145.6 UdeM00000027529 XP_021379320.1 24.4 540
340 17 35 526 79 598 2.10E-31 145.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000027530 29159 221.9 UdeM00000027530 XP_011439505.1 69.9 156
41 1 2 151 29 184 5.80E-55 221.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000027532 6565 369.8 UdeM00000027532 XP_022331028.1 58.1 344
79 4 4 282 183 526 3.10E-99 369.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000027533 6945 84.3 UdeM00000027533 XP_040065097.1 28.5 193
112 4 59 225 85 277 2.90E-13 84.3 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
UdeM00000027534 7574 321.6 UdeM00000027534 XP_013381563.1 44.7 342
169 7 66 395 50 383 1.50E-84 321.6 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000027535 6579 1047.3 UdeM00000027535 XP_033734815.1 56.7
927 377 9 1 914 1 916 1.10E-302 1047.3 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000027537 6596 140.6 UdeM00000027537 XP_045166060.1 48 150
73 2 39 188 41 185 2.10E-30 140.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000027536 6596 131.3 UdeM00000027536 XP_045166060.1 50.4 135
62 2 39 173 41 170 1.30E-27 131.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000027539 6596 620.9 UdeM00000027539 XP_045162013.1 42.4 851
117 3 1 832 1 497 2.40E-174 620.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000027542 1735272 385.6 UdeM00000027542 XP_041354632.1 61.4
316 120 2 6 321 9 322 6.30E-104 385.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027543 1735272 113.2 UdeM00000027543 XP_041354632.1 66.3
 86 28 1 6 91 9 93 1.90E-22 113.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027544 6596 1059.7 UdeM00000027544 XP_045187449.1 38.9
 1663 829 28 9 1625 23 1544 3.80E-306 1059.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027546 6573 160.6 UdeM00000027546 XP_021378494.1 52.8 142
 64 2 1 142 1 139 1.50E-36 160.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027547 6596 154.1 UdeM00000027547 XP_045187459.1 46.5 202
 95 5 1 197 1 194 1.90E-34 154.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027548 29159 439.9 UdeM00000027548 XP_034329191.1 73.2 280
 75 0 22 301 5 284 2.60E-120 439.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027549 6565 140.2 UdeM00000027549 XP_022334388.1 75.3 97
 22 2 2 96 3 99 1.40E-30 140.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027550 54380 100.9 UdeM00000027550 XP_009697826.1 55.2 87
 37 1 1 85 49 135 1.00E-18 100.9 54380 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Cariamiformes;Cariamidae;Cariama;Cariama cristata
 UdeM00000027551 6706 318.2 UdeM00000027551 XP_042211389.1 79.6 191
 39 0 1 191 39 229 1.20E-83 318.2 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000027552 6579 1385.2 UdeM00000027552 XP_033735213.1 56.6
 1047 434 9 3 1035 163 1203 0.00E+00 1385.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027554 6596 201.8 UdeM00000027554 XP_045184288.1 48.2 226
 108 4 18 242 2 219 1.10E-48 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027555 6596 184.5 UdeM00000027555 XP_045187676.1 63.9 147
 49 1 8 150 11 157 1.00E-43 184.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027556 400727 388.7 UdeM00000027556 XP_025106103.1 77.2
 237 52 1 3 239 301 535 5.60E-105 388.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000027557 225164 567 UdeM00000027557 XP_009064815.1 87.6
 306 38 0 1 306 1 306 1.50E-158 567 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000027558 1735272 232.3 UdeM00000027558 XP_041373487.1 90.8
 120 11 0 1 120 1 120 3.30E-58 232.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027560 6596 311.2 UdeM00000027560 XP_045174721.1 65.2 210
 72 1 243 452 5 213 2.10E-81 311.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027561 6596 309.3 UdeM00000027561 XP_045174721.1 65.7 210
 71 1 292 501 5 213 8.90E-81 309.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027562 6596 322.8 UdeM00000027562 XP_045166562.1 46.5 391
 184 7 1 379 10 387 5.90E-85 322.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027563 46514 100.1 UdeM00000027563 XP_038074330.1 39.7 146
 69 2 1 145 1 128 3.30E-18 100.1 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000027564 6596 412.1 UdeM00000027564 XP_045213677.1 54.2 367
 158 3 83 449 64 420 9.10E-112 412.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027565 6596 445.7 UdeM00000027565 XP_045213689.1 59.1 347
 137 2 1 344 1 345 5.50E-122 445.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027566 6573 425.6 UdeM00000027566 XP_021369446.1 53.2 462
 182 6 16 472 157 589 8.20E-116 425.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027567 6573 320.1 UdeM00000027567 XP_021369446.1 57.6 309
 100 5 25 331 183 462 3.30E-84 320.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027568 6565 219.2 UdeM00000027568 XP_022299727.1 46.4 233
 122 2 1 231 46 277 5.80E-54 219.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027569 6596 329.3 UdeM00000027569 XP_045166529.1 46.5 490
 260 1 455 944 18 505 1.60E-86 329.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027570 6596 57.8 UdeM00000027570 XP_045189070.1 41.4 87
 49 2 2 87 1 86 9.00E-06 57.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027571 29159 204.5 UdeM00000027571 XP_034339171.1 42.1 240
 134 2 25 259 13 252 1.70E-49 204.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027572 29159 204.5 UdeM00000027572 XP_034339171.1 42.1 240
 134 2 21 255 13 252 1.70E-49 204.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027573 6596 276.6 UdeM00000027573 XP_045166620.1 41 293
 170 2 76 367 8 298 4.80E-71 276.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027574 6596 339.3 UdeM00000027574 XP_045166620.1 62.6 265
 85 3 1 259 299 555 4.30E-90 339.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027575 6596 271.9 UdeM00000027575 XP_045166640.1 46.6 262
 135 3 35 293 33 292 9.50E-70 271.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027576 6596 281.2 UdeM00000027576 XP_045177005.1 86.7 165
 21 1 1 165 1 164 8.70E-73 281.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027577 400727 627.5 UdeM00000027577 XP_025104875.1 71
 421 118 2 211 627 225 645 2.50E-176 627.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000027578 6596 497.7 UdeM00000027578 XP_045216493.1 73.5 306
 81 0 41 346 603 908 1.20E-137 497.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027579 7741 113.6 UdeM00000027579 XP_019615443.1 36.3 237
 116 9 1 210 143 371 3.00E-22 113.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000027582 6573 1126.7 UdeM00000027582 XP_021371918.1 50.2
 1091 498 11 82 1155 29 1091 0.00E+00 1126.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027583 6573 1126.7 UdeM00000027583 XP_021371918.1 50.2
 1091 498 11 12 1085 29 1091 0.00E+00 1126.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027584 6596 379 UdeM00000027584 XP_045164355.1 49.5 368
 185 1 9 375 6 373 7.00E-102 379 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027585 29159 155.6 UdeM00000027585 XP_011455793.2 58.3 127
53 0 5 131 63 189 4.30E-35 155.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027586 10224 396.7 UdeM00000027586 XP_002740450.1 62.5 307
115 0 3 309 8 314 2.60E-107 396.7 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000027587 1735272 597 UdeM00000027587 XP_041352992.1 45.4
776 351 16 1 772 1 707 3.30E-167 597 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027588 1735272 602.8 UdeM00000027588 XP_041352992.1 45.5
776 351 15 1 773 1 707 6.00E-169 602.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027589 1735272 590.9 UdeM00000027589 XP_041352991.1 45.3
775 351 16 5 775 6 711 2.40E-165 590.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027590 6596 1332 UdeM00000027590 XP_045163665.1 57.6 1343
489 19 121 1396 107 1436 0.00E+00 1332 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027591 6596 1338.2 UdeM00000027591 XP_045163764.1 58.4
1328 466 20 121 1391 107 1405 0.00E+00 1338.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027592 6596 1373.6 UdeM00000027592 XP_045163600.1 57.4
1405 511 23 121 1479 107 1470 0.00E+00 1373.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027593 6596 1647.9 UdeM00000027593 XP_045163796.1 67
1274 361 12 1 1219 3944 5212 0.00E+00 1647.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027594	6596	1091.6		UdeM00000027594	XP_045163796.1	74.5				
	711	181	0	1	711	3236	3946	0.00E+00	1091.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027595	6596	799.7		UdeM00000027595	XP_045163796.1	75.6	517			
	126	0	1	517	3236	3752	2.20E-228	799.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027596	6596	2940.6		UdeM00000027596	XP_045163796.1	69.9				
	2112	543	11	1	2039	1121	3212	0.00E+00	2940.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027597	6596	258.8		UdeM00000027597	XP_045163796.1	53	317			
	127	2	2	318	778	1072	9.10E-66	258.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027598	6596	648.7		UdeM00000027598	XP_045163796.1	51.8	761			
	305	15	1	713	16	762	8.90E-183	648.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027599	1735272		674.9	UdeM00000027599	XP_041352288.1	65				
	491	160	4	1	487	1	483	7.90E-191	674.9	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027601	1735272		170.6	UdeM00000027601	XP_041355143.1	82.5				
	97	17	0	1	97	2280	2376	9.70E-40	170.6	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027600	1735272		618.6	UdeM00000027600	XP_041355146.1	75.5				
	384	93	1	381	764	1988	2370	1.00E-173	618.6	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027602 6596 1598.9 UdeM00000027602 XP_045162262.1 62.1
 1424 459 24 1 1383 569 1952 0.00E+00 1598.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027603 6596 1004.6 UdeM00000027603 XP_045162262.1 84.9
 558 83 1 3 559 7 564 5.00E-290 1004.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027604 6596 193.7 UdeM00000027604 XP_045167416.1 50.7 292
 113 8 1 271 1 282 3.00E-46 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027605 6573 260.8 UdeM00000027605 XP_021367625.1 63.8 188
 67 1 10 197 19 205 1.50E-66 260.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027607 6573 202.2 UdeM00000027607 XP_021367625.1 56 166
 72 1 15 180 41 205 5.60E-49 202.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027606 39640 104 UdeM00000027606 YP_184883.1 35.8 187 108
 7 1 184 31 208 2.30E-19 104 39640
 Viruses;Polydnaviridae;Bracovirus;Cotesia congregata bracovirus
 UdeM00000027608 6579 427.2 UdeM00000027608 XP_033735280.1 37.5 1015
 459 33 68 1035 19 905 6.10E-116 427.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027609 7574 86.3 UdeM00000027609 XP_013387515.1 44.3 97
 54 0 280 376 89 185 1.30E-13 86.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000027610 6596 607.4 UdeM00000027610 XP_045214979.1 42.3 848
 353 12 220 1061 8 725 3.50E-170 607.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027611 6596 214.2 UdeM00000027611 XP_045214979.1 67.3 159
 52 0 2 160 903 1061 1.60E-52 214.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027612 6579 168.3 UdeM00000027612 XP_033741736.1 51.5 171
 81 1 1 169 671 841 8.90E-39 168.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027613 7739 469.5 UdeM00000027613 XP_035696678.1 49.7 477
 183 2 2 421 423 899 4.70E-129 469.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000027614 6596 517.3 UdeM00000027614 XP_045184899.1 64.2 452
 144 9 8 454 701 1139 2.00E-143 517.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027615 6596 468 UdeM00000027615 XP_045184899.1 56.8 387
 155 3 97 471 313 699 1.50E-128 468 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027616 6596 276.2 UdeM00000027616 XP_045184899.1 66 191
 64 1 135 325 122 311 5.50E-71 276.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027617 6596 157.5 UdeM00000027617 XP_045184899.1 66.7 120
 40 0 1 120 1 120 1.10E-35 157.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027618 6596 548.9 UdeM00000027618 XP_045184889.1 76.5 340
 78 1 1 340 2 339 4.60E-153 548.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027619 225164 203.8 UdeM00000027619 XP_009064821.1 76
 125 30 0 1 125 1 125 1.40E-49 203.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000027620 6573 283.5 UdeM00000027620 XP_021373118.1 99.3 142
 1 0 1 142 16 157 1.50E-73 283.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027621 6579 697.6 UdeM00000027621 XP_033733741.1 41 1373
 644 40 1 1345 1 1235 3.10E-197 697.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027622 6573 162.5 UdeM00000027622 XP_021343769.1 50.3 145
 72 0 13 157 22 166 4.90E-37 162.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027624 6596 1029.2 UdeM00000027624 XP_045186172.1 41.7
 1850 840 50 136 1847 128 1877 6.20E-297 1029.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027625 6573 354.4 UdeM00000027625 XP_021377966.1 45.1 397
 200 7 19 406 39 426 2.00E-94 354.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027626 400727 363.2 UdeM00000027626 XP_025103389.1 47.5
 436 206 8 14 437 13 437 4.60E-97 363.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000027627 1735272 376.7 UdeM00000027627 XP_041352611.1 41.1
 577 292 20 46 594 95 651 5.60E-101 376.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027628 1735272 311.6 UdeM00000027628 XP_041353376.1 57.6
 250 103 2 38 286 116 363 1.10E-81 311.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027629 6596 219.2 UdeM00000027629 XP_045180189.1 44.2 267
 144 4 1 266 51 313 1.00E-53 219.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027630 6596 214.5 UdeM00000027630 XP_045180189.1 46.3 242
 126 3 3 244 76 313 2.40E-52 214.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027632 6596 681.8 UdeM00000027632 XP_045180242.1 63.9 660
 196 12 26 673 235 864 1.00E-192 681.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027631 6596 997.7 UdeM00000027631 XP_045180242.1 64.5 898
270 15 1 883 1 864 1.10E-287 997.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027633 6596 980.3 UdeM00000027633 XP_045180242.1 63.9 898
269 16 1 877 1 864 1.80E-282 980.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027634 1735272 162.2 UdeM00000027634 XP_041353593.1 54.1
135 61 1 49 182 57 191 6.40E-37 162.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027635 29159 678.7 UdeM00000027635 XP_034325819.1 64.9 490
171 1 1 489 1 490 5.50E-192 678.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027636 6596 796.2 UdeM00000027636 XP_045180330.1 67.2 543
177 1 1 542 1 543 2.60E-227 796.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027637 29159 557.4 UdeM00000027637 XP_034325819.1 66.7 390
129 1 30 418 101 490 1.60E-155 557.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027638 6596 797 UdeM00000027638 XP_045180330.1 67.4 543
176 1 1 542 1 543 1.50E-227 797 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027639 29159 159.5 UdeM00000027639 XP_011429969.1 37.1 210
62 1 1 140 1 210 3.70E-36 159.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027640 6596 98.6 UdeM00000027640 XP_045209522.1 36.5 167
97 3 2 160 165 330 2.80E-17 98.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027641 29159 166 UdeM00000027641 XP_034319278.1 55.3 150
62 2 183 327 38 187 8.00E-38 166 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027643 6565 79 UdeM00000027643 XP_022335000.1 40 105
60 2 7 108 76 180 1.00E-11 79 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027645 1735272 457.2 UdeM00000027645 XP_041347279.1 34.8
859 482 32 594 1407 1 826 7.50E-125 457.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027646 218467 80.1 UdeM00000027646 XP_023231487.1 31.5
181 111 6 15 187 891 1066 4.70E-12 80.1 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000027647 6579 106.3 UdeM00000027647 XP_033762031.1 34.5 197
111 7 10 200 320 504 4.70E-20 106.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027650 1735272 150.6 UdeM00000027650 XP_041372569.1 30.6
395 248 11 260 641 195 576 7.00E-33 150.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027652 6596 177.2 UdeM00000027652 XP_045173349.1 34.5 336
204 10 4 329 127 456 6.40E-41 177.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027651 6596 204.1 UdeM00000027651 XP_045173349.1 31.9 455
276 15 7 441 16 456 5.80E-49 204.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027653 260995 83.2 UdeM00000027653 XP_033812940.1 52.7
74 34 1 1 74 1 73 1.60E-13 83.2 260995
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini

UdeM00000027654 7757 477.6 UdeM00000027654 XP_032835197.1 77.9 308
 67 1 1 308 52 358 1.60E-131 477.6 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000027655 6596 168.7 UdeM00000027655 XP_045209247.1 27.3 461
 303 12 150 596 400 842 2.50E-38 168.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027656 6596 220.7 UdeM00000027656 XP_045173349.1 33.5 462
 284 14 12 462 7 456 6.10E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027657 6596 110.9 UdeM00000027657 XP_045209522.1 37.1 175
 105 3 7 176 179 353 1.70E-21 110.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027659 6565 268.5 UdeM00000027659 XP_022308966.1 44.7 313
 147 7 18 314 231 533 1.10E-68 268.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027660 6573 63.2 UdeM00000027660 XP_021377276.1 52 50
 24 0 33 82 103 152 3.40E-07 63.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027661 6596 132.5 UdeM00000027661 XP_045209522.1 38.5 221
 130 5 48 263 136 355 1.20E-27 132.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027664 48498 150.2 UdeM00000027664 XP_020608168.1 26.7 535
 286 23 4 494 63 535 9.30E-33 150.2 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000027665 8128 131.3 UdeM00000027665 XP_025763703.1 29.2 339
 216 9 139 463 732 1060 4.30E-27 131.3 8128 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African
 cichlids;Pseudocrenilabrinae;Oreochromini;Oreochromis;Oreochromis
 niloticus

UdeM00000027667 6579 105.5 UdeM00000027667 XP_033762031.1 38.3 188
 106 6 4 188 324 504 7.40E-20 105.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027669 6579 163.7 UdeM00000027669 XP_033758283.1 31 393
 248 10 9 395 1 376 5.80E-37 163.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027670 1735272 118.2 UdeM00000027670 XP_041373507.1 32.8
 232 149 6 13 242 88 314 3.90E-23 118.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027671 6579 136.7 UdeM00000027671 XP_033762031.1 35.1 268
 161 7 185 450 290 546 1.10E-28 136.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027672 6579 136.7 UdeM00000027672 XP_033762031.1 35.1 268
 161 7 185 450 290 546 1.10E-28 136.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027674 1735272 196.8 UdeM00000027674 XP_041346803.1 30.2
 484 315 15 28 497 21 495 7.50E-47 196.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027676 6565 169.9 UdeM00000027676 XP_022299727.1 46 187
 99 1 1 185 46 232 3.20E-39 169.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027678 6596 102.8 UdeM00000027678 XP_045209435.1 30.1 239
 160 3 17 249 94 331 7.30E-19 102.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027677 6596 104.8 UdeM00000027677 XP_045209435.1 28.6 266
 176 4 54 313 74 331 2.40E-19 104.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027680 1735272 142.1 UdeM00000027680 XP_041372788.1 31.2
 320 205 7 2 309 1017 1333 1.20E-30 142.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027681 6596 66.6 UdeM00000027681 XP_045208720.1 36.4 107
52 2 10 112 1200 1294 2.50E-08 66.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027682 1735272 79.7 UdeM00000027682 XP_041359107.1 29.2
202 127 4 9 208 5 192 6.90E-12 79.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027683 6596 70.1 UdeM00000027683 XP_045162958.1 46.5 86
46 0 3 88 183 268 1.90E-09 70.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027684 1735272 195.3 UdeM00000027684 XP_041347016.1 48.7
197 77 3 2 175 160 355 6.90E-47 195.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027685 6579 162.2 UdeM00000027685 XP_033743002.1 50.6 158
76 2 1 156 142 299 5.50E-37 162.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000027686 1735272 82 UdeM00000027686 XP_041373507.1 32.2
171 107 5 273 438 66 232 2.00E-12 82 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027687 6596 152.1 UdeM00000027687 XP_045208704.1 26.3 411
267 11 3 383 363 767 1.70E-33 152.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027689 6565 164.5 UdeM00000027689 XP_022320668.1 32.5 314
102 3 1 206 475 786 1.50E-37 164.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000027690 6579 98.2 UdeM00000027690 XP_033725098.1 46.7 92
49 0 1 92 319 410 5.80E-18 98.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027692 6579 158.3 UdeM00000027692 XP_033758269.1 31.2 398
 234 11 4 376 208 590 3.10E-35 158.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027691 6579 233.8 UdeM00000027691 XP_033758269.1 31 555
 335 15 27 554 57 590 7.60E-58 233.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027693 218467 67.8 UdeM00000027693 XP_023231487.1 30.1
 133 90 2 24 156 891 1020 2.00E-08 67.8 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000027694 1735272 99 UdeM00000027694 XP_041379610.1 33.3
 174 101 2 7 172 12 178 6.50E-18 99 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027695 1735272 98.6 UdeM00000027695 XP_041379610.1 33.3
 174 101 2 4 169 12 178 8.40E-18 98.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027696 1735272 341.7 UdeM00000027696 XP_041379319.1 48.9
 354 173 5 1 347 18 370 1.40E-90 341.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027697 6579 75.9 UdeM00000027697 XP_033731727.1 37.7 114
 70 1 87 200 141 253 7.00E-11 75.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027698 37653 176.8 UdeM00000027698 XP_014784938.1 45.2 197
 97 2 93 278 46 242 4.30E-41 176.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000027700 1735272 175.3 UdeM00000027700 XP_041346803.1 29.5
 454 299 13 174 614 45 490 2.80E-40 175.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027701 1735272 172.9 UdeM00000027701 XP_041346803.1 29.5
 438 290 12 174 600 45 474 1.40E-39 172.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027702 6579 121.3 UdeM00000027702 XP_033762031.1 37.6 202
116 6 192 391 295 488 2.80E-24 121.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000027704 6565 71.6 UdeM00000027704 XP_022316307.1 28.1 135
93 1 4 134 429 563 1.50E-09 71.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000027706 1735272 182.2 UdeM00000027706 XP_041372788.1 28.9
530 336 17 86 598 825 1330 2.10E-42 182.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027707 1735272 181.8 UdeM00000027707 XP_041372788.1 28.9
530 336 17 86 598 825 1330 3.50E-42 181.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027710 6579 59.7 UdeM00000027710 XP_033726149.1 35.9 103
64 2 83 185 185 285 6.20E-06 59.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000027711 6596 143.3 UdeM00000027711 XP_045208704.1 25.2 412
277 11 3 389 363 768 6.70E-31 143.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027715 7574 300.1 UdeM00000027715 XP_013382110.1 52.2 291
123 4 1 291 37 311 3.20E-78 300.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000027716 7574 524.2 UdeM00000027716 XP_013384628.1 51.9 538
180 5 1 469 33 560 1.70E-145 524.2 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000027717 6579 141.4 UdeM00000027717 XP_033762031.1 31.8 314
197 8 146 450 290 595 4.50E-30 141.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000027718 1735272 246.1 UdeM00000027718 XP_041372788.1 31.3
604 377 22 132 716 746 1330 1.70E-61 246.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000027721 6579 170.2 UdeM00000027721 XP_033725098.1 51.3 150
 73 0 1 150 319 468 2.20E-39 170.2 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000027722 6565 122.1 UdeM00000027722 XP_022320668.1 48.8 127
 63 2 26 152 666 790 6.20E-25 122.1 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000027723 37653 196.1 UdeM00000027723 XP_014784938.1 57.2 152
 64 1 5 156 212 362 3.70E-47 196.1 37653 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct-
 opoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
 UdeM00000027724 8049 261.2 UdeM00000027724 XP_030193753.1 36.2 376
 224 4 135 505 17 381 2.80E-66 261.2 8049 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti-
 nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce-
 phala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo-
 rphata; Paracanthopterygii; Zeiogadaria; Gadariae; Gadiformes; Gadoidei; Gadida-
 e; Gadus; Gadus morhua
 UdeM00000032083 10036 70.9 UdeM00000032083 XP_040604007.1 54.3 70
 32 0 2 71 34 103 1.00E-09 70.9 10036 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc-
 opterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Mammalia; Theria; Eutheria
 ; Boreoeutheria; Euarchontoglires; Glires; Rodentia; Myomorpha; Muroidea; Cricet-
 idae; Cricetinae; Mesocricetus; Mesocricetus auratus
 UdeM00000032085 6596 135.2 UdeM00000032085 XP_045167823.1 29.5 455
 219 11 26 468 26 390 2.20E-28 135.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000032089 481459 265.8 UdeM00000032089 XP_040031014.1 35.6
 393 235 5 61 446 72 453 1.00E-67 265.8 481459
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti-
 nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce-
 phala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo-
 rphata; Euacanthomorphacea; Percomorphaceae; Eupercaria; Perciformes; Cottioi-
 dei; Gasterosteales; Gasterosteidae; Gasterosteus; Gasterosteus
 aculeatus; Gasterosteus aculeatus aculeatus
 UdeM00000032090 45264 99.4 UdeM00000032090 XP_044177087.1 55.8 77
 34 0 1 77 323 399 2.50E-18 99.4 45264 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa-
 corallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora
 millepora

UdeM00000032091 29159 87.4 UdeM00000032091 XP_034339171.1 39.5 124
 75 0 45 168 68 191 2.00E-14 87.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032093 29159 551.6 UdeM00000032093 XP_034317596.1 54.1 479
 214 2 9 487 105 577 1.00E-153 551.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032094 6579 165.2 UdeM00000032094 XP_033761931.1 64.7 119
 41 1 5 123 467 584 5.50E-38 165.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032095 6596 399.8 UdeM00000032095 XP_045168583.1 62.6 310
 113 2 1 308 1 309 3.10E-108 399.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032097 6565 650.6 UdeM00000032097 XP_022311383.1 64.5 496
 147 3 59 554 11 477 1.80E-183 650.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032098 6565 696.4 UdeM00000032098 XP_022311383.1 71.7 466
 129 2 10 475 15 477 2.50E-197 696.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032099 6596 241.9 UdeM00000032099 XP_045168605.1 53.8 225
 101 1 35 256 552 776 9.00E-61 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032100 6596 379.4 UdeM00000032100 XP_045168528.1 46.9 424
 202 6 10 427 7 413 6.00E-102 379.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032101 6573 476.9 UdeM00000032101 XP_021375134.1 45.4 625
 311 11 208 823 136 739 5.70E-131 476.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032102 6573 476.9 UdeM00000032102 XP_021375135.1 45.3 618
 304 10 208 816 136 728 5.70E-131 476.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000032103 6573 146 UdeM00000032103 XP_021363861.1 52.9 136
 59 2 13 147 9 140 3.90E-32 146 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032104 6579 210.7 UdeM00000032104 XP_033762983.1 65 180
 49 2 6 171 16 195 1.50E-51 210.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032106 6596 519.2 UdeM00000032106 XP_045172598.1 41.3 716
 315 14 464 1086 99 802 1.20E-143 519.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032108 6596 158.7 UdeM00000032108 XP_045172598.1 71.4 112
 32 0 1 112 1 112 9.50E-36 158.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032109 6579 120.9 UdeM00000032109 XP_033762265.1 73.8 80
 21 0 6 85 11 90 3.40E-24 120.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032110 29159 174.9 UdeM00000032110 XP_034310403.1 41.7 230
 120 8 23 249 21 239 1.30E-40 174.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032111 1735272 132.5 UdeM00000032111 XP_041367035.1 47.3
 150 71 4 20 163 94 241 5.10E-28 132.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032113 6573 444.1 UdeM00000032113 XP_021342886.1 34.7 760
 459 10 1 742 39 779 3.40E-121 444.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032114 6579 447.2 UdeM00000032114 XP_033749525.1 33.7 763
 458 13 1 742 37 772 4.10E-122 447.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032115 6596 123.6 UdeM00000032115 XP_045194927.1 40.5 148
 88 0 3 150 404 551 3.00E-25 123.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032119 6596 308.9 UdeM00000032119 XP_045167660.1 75.7 210
 50 1 1 209 1 210 5.80E-81 308.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032120 6596 389.4 UdeM00000032120 XP_045167660.1 58.7 649
 200 7 1 581 1 649 7.90E-105 389.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032121 6596 1349 UdeM00000032121 XP_045168209.1 81 1014
 172 5 17 1013 11 1020 0.00E+00 1349 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032124 2607531 63.5 UdeM00000032124 XP_036370402.1 40
 65 39 0 4 68 66 130 1.30E-07 63.5 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000032125 6596 174.1 UdeM00000032125 XP_045168577.1 39 313
 90 5 1 212 116 428 2.30E-40 174.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032126 6596 282.3 UdeM00000032126 XP_045168500.1 77.7 193
 43 0 2 194 651 843 4.70E-73 282.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032127 6596 847 UdeM00000032127 XP_045168500.1 65.2 661
 221 4 1 657 1 656 1.60E-242 847 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032128 6596 439.9 UdeM00000032128 XP_045169947.1 41.5 607
 318 8 6 608 350 923 5.30E-120 439.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032131 1735272 288.5 UdeM00000032131 XP_041365820.1 48.5
 291 135 4 10 298 46 323 9.90E-75 288.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000032132 29159 147.1 UdeM00000032132 XP_034301372.1 57.1 112
 45 1 27 138 53 161 2.10E-32 147.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032133 29159 147.1 UdeM00000032133 XP_034301372.1 57.1 112
 45 1 15 126 53 161 1.50E-32 147.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032134 29159 338.2 UdeM00000032134 XP_034301372.1 51.1 368
 126 5 1 366 178 493 1.40E-89 338.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032137 6596 547.4 UdeM00000032137 XP_045163235.1 49.1 562
 280 3 19 579 5 561 2.30E-152 547.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032139 6579 300.1 UdeM00000032139 XP_033744145.1 46.2 329
 126 2 3 280 155 483 3.20E-78 300.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032140 29159 526.9 UdeM00000032140 XP_034301372.1 56.8 456
 180 4 37 490 53 493 2.80E-146 526.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032141 29159 515.8 UdeM00000032141 XP_034301372.1 56.6 442
 168 2 37 455 53 493 5.90E-143 515.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032142 6573 228.8 UdeM00000032142 XP_021352103.1 56.2 194
 78 1 16 202 20 213 6.20E-57 228.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032143 6573 645.2 UdeM00000032143 XP_021376256.1 61.8 534
 200 4 27 557 1 533 7.60E-182 645.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032144 6596 1629.4 UdeM00000032144 XP_045167350.1 66
 1286 379 7 123 1358 61 1338 0.00E+00 1629.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032145 6596 641.7 UdeM00000032145 XP_045167595.1 73.6 450
 113 1 2 445 977 1426 6.80E-181 641.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032146 6596 639.8 UdeM00000032146 XP_045167595.1 73.3 450
 114 1 2 445 977 1426 2.60E-180 639.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032147 6596 641.7 UdeM00000032147 XP_045167595.1 73.6 450
 113 1 2 445 977 1426 6.80E-181 641.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032148 6596 638.3 UdeM00000032148 XP_045167595.1 73.3 450
 114 1 2 445 977 1426 7.50E-180 638.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032149 6596 638.3 UdeM00000032149 XP_045167595.1 73.3 450
 114 1 2 445 977 1426 7.50E-180 638.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032150 6596 641.7 UdeM00000032150 XP_045167595.1 73.6 450
 113 1 2 445 977 1426 6.80E-181 641.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032151 6579 634.4 UdeM00000032151 XP_033762681.1 49.4 650
 311 5 15 650 27 672 1.60E-178 634.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032152 6573 820.8 UdeM00000032152 XP_021376253.1 57.1 711
 301 3 1 709 1 709 1.30E-234 820.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032153 400727 277.3 UdeM00000032153 XP_025095687.1 55.7
 228 99 1 2 227 492 719 1.70E-71 277.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000032154 6596 454.5 UdeM00000032154 XP_045168179.1 69.9 329
 96 2 24 350 25 352 1.20E-124 454.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032157 1415580 407.1 UdeM00000032157 XP_030075314.1 51.5
421 185 3 1 418 221 625 2.60E-110 407.1 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000032156 1415580 483.4 UdeM00000032156 XP_030075314.1 52.6
479 208 3 1 476 163 625 3.30E-133 483.4 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000032158 260995 131.7 UdeM00000032158 XP_033812940.1 46.8
139 73 1 1 139 1 138 7.10E-28 131.7 260995
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini

UdeM00000032160 1415580 132.1 UdeM00000032160 XP_030075314.1 71.4
91 26 0 2 92 535 625 3.60E-28 132.1 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000032162 7757 329.3 UdeM00000032162 XP_032835197.1 78.2 211
45 1 2 212 149 358 4.60E-87 329.3 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000032161 7757 430.6 UdeM00000032161 XP_032835197.1 80 270
53 1 1 270 90 358 1.80E-117 430.6 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000032163 260995 131.7 UdeM00000032163 XP_033812940.1 46.8
139 73 1 1 139 1 138 7.10E-28 131.7 260995
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini

UdeM00000032165 1415580 137.9 UdeM00000032165 XP_030075314.1 72.5
91 25 0 2 92 535 625 6.60E-30 137.9 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc

opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000032166 7757 553.9 UdeM00000032166 XP_032835197.1 77.6 357
 79 1 54 410 3 358 2.00E-154 553.9 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000032168 1415580 538.5 UdeM00000032168 XP_030075314.1 54
 517 219 4 1 514 125 625 9.30E-150 538.5 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000032169 6579 283.9 UdeM00000032169 XP_033761935.1 50 284
 135 5 97 375 112 393 5.20E-73 283.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032171 6565 283.5 UdeM00000032171 XP_022309896.1 39.6 381
 180 6 110 473 130 477 5.00E-73 283.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032172 6565 926.4 UdeM00000032172 XP_022305147.1 90.8 541
 15 1 1 541 1 506 1.70E-266 926.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032173 400727 150.6 UdeM00000032173 XP_025094682.1 59.5
 116 45 2 32 145 35 150 1.50E-33 150.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000032174 6596 347.8 UdeM00000032174 XP_045177776.1 40.3 534
 274 11 1 504 405 923 3.20E-92 347.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032175 6596 184.1 UdeM00000032175 XP_045158722.1 44.3 219
 111 3 13 231 38 245 2.30E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032176 1735272 98.2 UdeM00000032176 XP_041354133.1 44
 116 59 3 3 118 1 110 1.10E-17 98.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000032177 6565 539.7 UdeM00000032177 XP_022323131.1 46.7 721
 140 5 9 726 40 519 5.90E-150 539.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032178 6596 228 UdeM00000032178 XP_045204491.1 25.3 697
 454 18 15 691 14 663 3.60E-56 228 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032179 6596 104.4 UdeM00000032179 XP_045192593.1 27.6 283
 183 6 192 465 443 712 4.10E-19 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032180 6596 387.5 UdeM00000032180 XP_045178296.1 49.4 429
 203 5 50 465 30 457 2.40E-104 387.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032181 6596 286.2 UdeM00000032181 XP_045178294.1 50.3 334
 152 7 1 326 127 454 5.30E-74 286.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032182 6596 413.7 UdeM00000032182 XP_045178296.1 51.6 436
 195 5 23 449 26 454 3.00E-112 413.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032183 6596 401.4 UdeM00000032183 XP_045178296.1 50.5 434
 201 7 21 442 18 449 1.60E-108 401.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032184 6596 633.3 UdeM00000032184 XP_045177660.1 77.5 395
 88 1 1 394 1 395 2.20E-178 633.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032186 6565 545 UdeM00000032186 XP_022334994.1 38.9 873
 273 14 33 650 1 868 1.30E-151 545 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032187 6565 543.1 UdeM00000032187 XP_022334994.1 38.8 871
 274 13 24 640 3 868 4.70E-151 543.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032188 6565 433.7 UdeM00000032188 XP_022334993.1 39.1 654
199 8 72 531 221 869 3.30E-118 433.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032189 29159 129 UdeM00000032189 XP_034331441.1 43.4 159
85 3 10 164 61 218 9.40E-27 129 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032193 6596 82 UdeM00000032193 XP_045169911.1 34.8 115
74 1 30 144 56 169 6.80E-13 82 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032194 29159 137.5 UdeM00000032194 XP_011419444.2 34.9 232
145 3 5 234 7 234 2.20E-29 137.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032195 6596 136.3 UdeM00000032195 XP_045193663.1 51.3 117
57 0 117 233 30 146 4.80E-29 136.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032196 6596 142.9 UdeM00000032196 XP_045181202.1 53.4 116
54 0 95 210 86 201 4.70E-31 142.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032197 6596 145.6 UdeM00000032197 XP_045169911.1 53.5 114
53 0 34 147 56 169 5.10E-32 145.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032198 45264 417.9 UdeM00000032198 XP_044165535.1 50.6 385
186 1 1 381 158 542 1.90E-113 417.9 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000032199 6573 134 UdeM00000032199 XP_021346733.1 89.6 67
7 0 12 78 6 72 8.10E-29 134 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032200 29159 397.1 UdeM00000032200 XP_034301528.1 64.1 334
100 6 8 322 36 368 2.20E-107 397.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032201 6565 130.6 UdeM00000032201 XP_022337904.1 28.6 234
167 0 286 519 91 324 5.90E-27 130.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032202 6596 259.2 UdeM00000032202 XP_045178865.1 42.3 423
140 10 11 394 219 576 1.30E-65 259.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032203 6596 101.3 UdeM00000032203 XP_045178840.1 86.8 53
7 0 387 439 1691 1743 3.20E-18 101.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032204 6596 101.3 UdeM00000032204 XP_045178840.1 86.8 53
7 0 148 200 1691 1743 1.50E-18 101.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032205 1735272 813.1 UdeM00000032205 XP_041374005.1 72.6
580 124 9 12 559 15 591 2.10E-232 813.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000032206 6565 396.7 UdeM00000032206 XP_022325234.1 82 239
40 3 35 271 31 268 2.30E-107 396.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032207 6579 338.6 UdeM00000032207 XP_033728633.1 60.5 261
101 1 1 259 5 265 7.30E-90 338.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032208 6579 347.1 UdeM00000032208 XP_033728633.1 56.4 280
120 1 1 278 5 284 2.10E-92 347.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032209 6596 383.3 UdeM00000032209 XP_045211214.1 32.8 741
448 18 8 709 6 735 7.00E-103 383.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032210 6565 807.7 UdeM00000032210 XP_022320284.1 57.1 736
 198 7 6 726 4 636 1.20E-230 807.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032211 6565 1115.1 UdeM00000032211 XP_022320284.1 57.9
 989 241 11 6 979 4 832 0.00E+00 1115.1 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032212 6596 932.6 UdeM00000032212 XP_045177681.1 65.2 755
 246 6 597 1336 233 985 6.20E-268 932.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032213 6596 128.6 UdeM00000032213 XP_045177681.1 50.9 114
 55 1 1 113 75 188 2.70E-26 128.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032214 6596 89.7 UdeM00000032214 XP_045202346.1 36.9 130
 78 2 6 134 16 142 3.20E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032215 6596 181.4 UdeM00000032215 XP_045183440.1 55 171
 72 3 1 170 198 364 1.50E-42 181.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032216 6596 60.1 UdeM00000032216 XP_045181188.1 29.3 174
 108 5 1 161 1 172 3.20E-06 60.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032219 10224 66.2 UdeM00000032219 XP_006820186.1 25.7 152
 67 3 31 139 85 233 3.70E-08 66.2 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000032220 29159 75.5 UdeM00000032220 XP_011450796.2 37 135
 79 2 5 139 2 130 7.40E-11 75.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032221 6573 69.3 UdeM00000032221 XP_021367170.1 36.7 128
 75 2 1 124 1 126 6.60E-09 69.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032223 6565 203.8 UdeM00000032223 XP_022312414.1 51.6 215
99 4 4 217 190 400 2.30E-49 203.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032224 6596 92 UdeM00000032224 XP_045209928.1 35.3 167
103 3 1 164 1 165 7.60E-16 92 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032225 6596 209.5 UdeM00000032225 XP_045177681.1 64 178
44 2 11 168 851 1028 3.50E-51 209.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032226 6596 862.1 UdeM00000032226 XP_045177681.1 56.9 796
314 10 44 825 71 851 5.90E-247 862.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032227 6596 942.6 UdeM00000032227 XP_045177681.1 60 823
299 11 1 799 237 1053 3.50E-271 942.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032228 29159 141 UdeM00000032228 XP_011442195.2 56.8 111
48 0 46 156 34 144 1.70E-30 141 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032229 6596 230.7 UdeM00000032229 XP_045185533.1 42.9 280
157 3 90 368 116 393 3.00E-57 230.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032230 6596 128.6 UdeM00000032230 XP_045185533.1 30.5 279
109 5 81 275 115 392 1.20E-26 128.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032231 6596 219.5 UdeM00000032231 XP_045185533.1 43.1 281
157 3 70 349 115 393 6.50E-54 219.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032232 6596 200.3 UdeM00000032232 XP_045185533.1 40.1 279
 161 5 37 311 116 392 3.70E-48 200.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032233 6596 194.9 UdeM00000032233 XP_045185533.1 37.3 279
 172 3 85 362 116 392 1.80E-46 194.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032234 6573 146.4 UdeM00000032234 XP_021372692.1 43.4 166
 88 4 16 180 155 315 4.10E-32 146.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032235 50390 83.6 UdeM00000032235 XP_028130636.1 35 140
 63 4 5 117 21 159 2.30E-13 83.6 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000032236 6573 84 UdeM00000032236 XP_021379254.1 36.7 147
 79 6 45 189 1 135 2.70E-13 84 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032237 7070 84.3 UdeM00000032237 XP_015833605.1 37.7 114
 66 2 3 116 2 110 1.80E-13 84.3 7070 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Tenebrionoidea;Tenebrionidae;Tenebrionidae incertae
 sedis;Tribolium;Tribolium castaneum
 UdeM00000032238 6596 83.6 UdeM00000032238 XP_045178174.1 36 139
 71 6 14 149 103 226 2.80E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032239 6596 194.5 UdeM00000032239 XP_045156280.1 51.5 206
 95 4 1 203 593 796 1.40E-46 194.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032240 6596 65.5 UdeM00000032240 XP_045215511.1 74.4 39
 10 0 1 39 379 417 2.00E-08 65.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000032241 6573 122.5 UdeM00000032241 XP_021349151.1 30.4 283
 53 2 1 139 49 331 4.40E-25 122.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032242 6596 108.6 UdeM00000032242 XP_045198179.1 48.5 99
 51 0 1 99 232 330 4.70E-21 108.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000032243 7070 89.7 UdeM00000032243 XP_015833605.1 32.6 141
 85 4 3 137 2 138 4.10E-15 89.7 7070 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;
 Tenebrionoidea;Tenebrionidae;Tenebrionidae incertae sedis;Tribolium;Tribolium castaneum
 UdeM00000032244 29159 137.1 UdeM00000032244 XP_034299474.1 38.9 208
 95 3 3 183 239 441 2.30E-29 137.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032246 6565 120.6 UdeM00000032246 XP_022290343.1 37.1 175
 109 1 1 175 126 299 2.10E-24 120.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032247 6573 85.5 UdeM00000032247 XP_021379254.1 34.5 145
 84 4 66 209 1 135 9.90E-14 85.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032248 7070 89.7 UdeM00000032248 XP_015833605.1 32.6 141
 85 4 3 137 2 138 4.10E-15 89.7 7070 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;
 Tenebrionoidea;Tenebrionidae;Tenebrionidae incertae sedis;Tribolium;Tribolium castaneum
 UdeM00000032249 29159 205.7 UdeM00000032249 XP_034299474.1 38.6 290
 145 4 61 322 157 441 9.00E-50 205.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032251 6565 120.6 UdeM00000032251 XP_022290343.1 37.1 175
 109 1 1 175 126 299 2.10E-24 120.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032252 6573 85.5 UdeM00000032252 XP_021379254.1 34.5 145
 84 4 31 174 1 135 8.40E-14 85.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032253 6596 328.9 UdeM00000032253 XP_045178625.1 78.2 193
41 1 1066 1258 174 365 2.70E-86 328.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032254 6596 717.2 UdeM00000032254 XP_045177687.1 80.6 463
88 2 1 463 1 461 1.50E-203 717.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032255 6579 290 UdeM00000032255 XP_033757668.1 42.3 381
210 7 1 375 334 710 4.30E-75 290 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032256 6573 162.2 UdeM00000032256 XP_021351643.1 46.1 167
82 4 108 274 143 301 9.90E-37 162.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032257 7574 79 UdeM00000032257 XP_013401006.1 60.6 66
26 0 19 84 422 487 4.60E-12 79 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000032258 7370 60.8 UdeM00000032258 XP_005175168.1 45.8 59
30 1 41 97 630 688 1.10E-06 60.8 7370 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;Eremoneura;Cyclorrhapha;Schizophora;Calyptratae;Muscoidea;Muscidae;Muscinae;Muscini;Musca;Musca;Musca domestica
UdeM00000032259 7574 104 UdeM00000032259 XP_013396733.1 36.4 187
95 3 5 167 60 246 1.90E-19 104 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000032260 6573 400.2 UdeM00000032260 XP_021351643.1 41.4 539
284 15 105 629 143 663 4.80E-108 400.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032261 6596 163.7 UdeM00000032261 XP_045170578.1 34.5 275
146 7 14 258 28 298 3.30E-37 163.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032262 29159 969.5 UdeM00000032262 XP_034301291.1 41.7 1386
 656 32 90 1376 86 1418 4.80E-279 969.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032263 6579 989.9 UdeM00000032263 XP_033728979.1 42.9 1348
 652 28 99 1366 70 1379 3.40E-285 989.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032264 29159 297.7 UdeM00000032264 XP_034301296.1 34.7 556
 307 16 103 619 155 693 3.30E-77 297.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032265 29159 666.8 UdeM00000032265 XP_034301291.1 52.9 677
 264 10 1 635 755 1418 3.30E-188 666.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032266 6596 96.3 UdeM00000032266 XP_045170578.1 40.9 132
 61 3 1 118 170 298 3.10E-17 96.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032267 6573 78.2 UdeM00000032267 XP_021353546.1 45.3 86
 45 2 30 113 43 128 8.10E-12 78.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032268 29159 268.5 UdeM00000032268 XP_034301296.1 31.4 548
 323 15 29 551 54 573 2.80E-68 268.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032269 6596 771.2 UdeM00000032269 XP_045180107.1 50.7 864
 339 18 26 825 625 1465 1.50E-219 771.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032270 6565 553.1 UdeM00000032270 XP_022345479.1 43.1 787
 415 16 51 817 53 826 6.50E-154 553.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032273 45264 202.6 UdeM00000032273 XP_029214501.2 40.2 234
 140 0 17 250 335 568 8.80E-49 202.6 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000032274 7054 141.4 UdeM00000032274 XP_031355375.1 39.6 197
 109 3 8 203 2 189 1.40E-30 141.4 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
UdeM00000032275 6579 270 UdeM00000032275 XP_033728071.1 35.9 376
224 6 9 384 25 383 4.60E-69 270 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032276 6596 190.3 UdeM00000032276 XP_045159271.1 33.3 457
261 18 440 878 869 1299 1.10E-44 190.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032277 6596 183.7 UdeM00000032277 XP_045159271.1 33.4 458
260 19 441 880 869 1299 1.00E-42 183.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032278 6573 138.3 UdeM00000032278 XP_021367842.1 35 337
169 16 2 317 129 436 1.80E-29 138.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032279 6596 74.7 UdeM00000032279 XP_045158122.1 32.2 152
91 5 2 150 42 184 1.30E-10 74.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032280 6526 62.8 UdeM00000032280 XP_013079198.1 24 225
136 3 128 329 296 508 1.10E-06 62.8 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biophalaria;Biophalaria glabrata
UdeM00000032281 6596 181 UdeM00000032281 XP_045159271.1 31.8 515
297 21 158 654 821 1299 4.90E-42 181 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032282 8153 154.8 UdeM00000032282 XP_005952062.1 37.4 257
142 7 26 273 198 444 1.60E-34 154.8 8153 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichliformes;Cichlidae;African cichlids;Pseudocrenilabrinae;Haplochromini;Haplochromis;Haplochromis burtoni

UdeM00000032283 34773 100.1 UdeM00000032283 XP_041960873.1 49.6 113
 51 2 3 111 261 371 1.90E-18 100.1 34773 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Clupei;Clupeiformes;Clupeoidei;Clupeidae;Alosinae;Alosa;A
 losa sapidissima
 UdeM00000032284 6596 75.5 UdeM00000032284 XP_045176315.1 26.6 267
 162 11 16 270 311 555 1.50E-10 75.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032285 6579 193.4 UdeM00000032285 XP_033731328.1 48.8 207
 93 3 124 317 97 303 4.90E-46 193.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032286 6573 70.9 UdeM00000032286 XP_021375193.1 35.4 144
 83 4 1 136 202 343 1.50E-09 70.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032288 6579 500 UdeM00000032288 XP_033729024.1 59.8 455
 122 3 1 452 79 475 3.20E-138 500 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032289 50429 63.2 UdeM00000032289 XP_022779123.1 41.5 65
 38 0 161 225 92 156 5.70E-07 63.2 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000032291 7888 108.2 UdeM00000032291 XP_043940009.1 37.6 133
 83 0 1 133 815 947 8.20E-21 108.2 7888 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratomontae;Ceratomontiformes
 ;Lepidosirenoidei;Protopterygidae;Protopterus;Protopterus annectens
 UdeM00000032292 6596 93.6 UdeM00000032292 XP_045184450.1 42.5 113
 65 0 2 114 68 180 1.80E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032293 6565 104.4 UdeM00000032293 XP_022325739.1 42.9 119
 66 1 14 132 370 486 1.40E-19 104.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032294 6565 92.4 UdeM00000032294 XP_022325739.1 27.3 322
 123 7 40 260 56 367 9.20E-16 92.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032295 29159 931.8 UdeM00000032295 XP_011421703.2 49.9 925
 449 5 81 1004 28 939 7.40E-268 931.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032296 6573 826.2 UdeM00000032296 XP_021350145.1 45.4 923
 491 7 87 1005 18 931 4.40E-236 826.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032298 29159 761.5 UdeM00000032298 XP_011421703.2 46.9 826
 426 4 1 826 127 939 1.10E-216 761.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032297 29159 868.6 UdeM00000032297 XP_011421703.2 46.9 944
 482 7 59 1000 13 939 7.60E-249 868.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032299 29159 854 UdeM00000032299 XP_011421703.2 46.3 922
 481 5 28 948 32 940 1.80E-244 854 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032300 6579 320.5 UdeM00000032300 XP_033748001.1 41 376
 211 4 9 382 8 374 3.00E-84 320.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032301 6579 278.5 UdeM00000032301 XP_033748001.1 38 374
 204 5 11 365 10 374 1.20E-71 278.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032302 7574 179.1 UdeM00000032302 XP_013384628.1 68 125
 38 1 1 125 33 155 3.70E-42 179.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000032303 7574 187.6 UdeM00000032303 XP_013384628.1 59 161
 57 2 1 161 33 184 1.60E-44 187.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000032304 7574 455.7 UdeM00000032304 XP_013382110.1 46.6 496
 241 7 1 492 37 512 7.60E-125 455.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000032305 6565 852.4 UdeM00000032305 XP_022325739.1 47.3 934
 474 8 33 962 21 940 5.40E-244 852.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032306 6565 940.6 UdeM00000032306 XP_022325739.1 51 926
439 7 125 1048 28 940 1.70E-270 940.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032307 29159 937.6 UdeM00000032307 XP_011421703.2 49.8 928
447 7 111 1035 28 939 1.40E-269 937.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032308 29159 107.1 UdeM00000032308 XP_011421703.2 54.9 91
40 1 111 200 28 118 3.00E-20 107.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032309 29159 110.5 UdeM00000032309 XP_011421703.2 55.4 92
40 1 106 196 28 119 2.40E-21 110.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032310 225164 334 UdeM00000032310 XP_009067107.1 95.2
165 8 0 1 165 1 165 1.10E-88 334 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000032311 1735272 1968.4 UdeM00000032311 XP_041374336.1
74.9 1288 308 8 10 1293 7 1283 0.00E+00 1968.4
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000032312 29159 447.2 UdeM00000032312 XP_011426440.2 38.9 666
372 16 40 690 46 691 3.90E-122 447.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032313 6596 756.1 UdeM00000032313 XP_045180123.1 89.8 402
40 1 32 432 26 427 2.40E-215 756.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032314 6596 448 UdeM00000032314 XP_045178488.1 58.7 445
157 12 1 435 1 428 1.40E-122 448 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032315 6596 107.1 UdeM00000032315 XP_045169960.1 25 280
194 6 563 832 326 599 1.10E-19 107.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032316	6596	1152.1	UdeM00000032316	XP_045178603.1	68.8				
779	235	5	19	792	11	786	0.00E+00	1152.1	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032317	29159	255.8	UdeM00000032317	XP_034316161.1	43.6	291			
163	1	1	290	718	1008	6.80E-65	255.8	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032318	6579	1161.7	UdeM00000032318	XP_033727870.1	46.6				
1668	541	25	110	1731	68	1432	0.00E+00	1161.7	6579

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032319	6596	340.9	UdeM00000032319	XP_045177648.1	54.6	284			
123	3	15	295	13	293	1.60E-90	340.9	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032320	6596	262.3	UdeM00000032320	XP_045177648.1	43.4	295			
151	5	1	284	1	290	7.30E-67	262.3	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032322	6596	195.7	UdeM00000032322	XP_045173241.1	29.4	562			
349	15	4	552	323	849	1.60E-46	195.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032323	8496	87.8	UdeM00000032323	XP_014461102.1	37.7	122			
72	3	4	122	228	348	1.00E-14	87.8	8496	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Crocodylia;Alligatoridae;Alligatorinae;Alligator;Alligator mississippiensis

UdeM00000032324	29159	150.6	UdeM00000032324	XP_034323195.1	46.2	158			
78	3	1	156	231	383	1.70E-33	150.6	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032327	45264	92.4	UdeM00000032327	XP_044164583.1	50.5	97			
44	1	1	97	130	222	3.60E-16	92.4	45264	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000032332 6579 300.1 UdeM00000032332 XP_033739803.1 67.5 209
68 0 1 209 25 233 2.30E-78 300.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032333 6579 253.4 UdeM00000032333 XP_033739803.1 68.6 172
54 0 1 172 62 233 2.00E-64 253.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032334 2607531 213.8 UdeM00000032334 XP_029655223.1 53.1
196 92 0 3 198 2 197 2.00E-52 213.8 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000032335 6596 218 UdeM00000032335 XP_045195627.1 60.7 173
68 0 67 239 6 178 1.30E-53 218 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032336 6596 75.1 UdeM00000032336 XP_045173548.1 47.4 57
28 1 157 213 613 667 1.20E-10 75.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032337 6565 154.5 UdeM00000032337 XP_022292643.1 44.4 207
109 2 91 293 471 675 2.20E-34 154.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032339 29159 811.6 UdeM00000032339 XP_011439713.1 82.1 502
89 1 1 501 1 502 5.50E-232 811.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032340 6579 283.5 UdeM00000032340 XP_033740142.1 73.1 175
47 0 164 338 170 344 3.50E-73 283.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032341 6596 151.4 UdeM00000032341 XP_045196077.1 50.3 171
75 3 14 179 49 214 1.20E-33 151.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032342 6579 265.4 UdeM00000032342 XP_033740142.1 65.6 180
62 0 7 186 160 339 5.70E-68 265.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032343 6579 185.7 UdeM00000032343 XP_033761495.1 66.9 124
41 0 36 159 24 147 5.20E-44 185.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032344 6579 67.4 UdeM00000032344 XP_033755666.1 54.9 51
23 0 1 51 137 187 2.70E-08 67.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032345 1735272 73.2 UdeM00000032345 XP_041362151.1 36.9
103 64 1 1 102 573 675 2.40E-10 73.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000032347 6596 219.5 UdeM00000032347 XP_045196404.1 39.6 308
166 6 77 378 496 789 7.00E-54 219.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032348 6596 195.3 UdeM00000032348 XP_045211400.1 35.5 318
189 7 21 327 57 369 1.30E-46 195.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032349 6596 226.1 UdeM00000032349 XP_045196404.1 34.2 377
222 9 118 487 402 759 1.00E-55 226.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032351 6596 253.1 UdeM00000032351 XP_045196404.1 35.1 456
244 12 242 691 379 788 1.00E-63 253.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032352 6596 260.8 UdeM00000032352 XP_045196404.1 36.7 431
246 11 242 666 379 788 4.90E-66 260.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032353 6596 248.4 UdeM00000032353 XP_045196404.1 35.2 474
272 14 36 495 336 788 1.90E-62 248.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032355 6596 273.5 UdeM00000032355 XP_045196868.1 36.9 407
 205 11 303 701 160 522 7.60E-70 273.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032356 6596 257.3 UdeM00000032356 XP_045196865.1 35.4 401
 221 8 268 664 160 526 5.30E-65 257.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032358 6565 339 UdeM00000032358 XP_022294498.1 46.8 361
 174 8 29 379 29 381 8.00E-90 339 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032359 6596 301.6 UdeM00000032359 XP_045195160.1 65.8 202
 67 1 14 213 13 214 8.00E-79 301.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032360 6596 3020.7 UdeM00000032360 XP_045198169.1 76
 1949 414 4 13 1917 194 2133 0.00E+00 3020.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032361 6579 289.3 UdeM00000032361 XP_033740578.1 67.3 202
 65 1 1 201 1 202 4.40E-75 289.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032362 6596 250 UdeM00000032362 XP_045198168.1 47 266
 126 6 12 264 13 276 3.50E-63 250 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032363 6573 449.9 UdeM00000032363 XP_021355383.1 41.6 519
 297 3 18 533 21 536 4.50E-123 449.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032364 6565 199.9 UdeM00000032364 XP_022289083.1 49.2 722
 336 12 10 706 413 1128 1.10E-47 199.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032365 6596 592 UdeM00000032365 XP_045195110.1 71.7 407
 112 1 1 407 1 404 6.00E-166 592 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032366 1735272 90.5 UdeM00000032366 XP_041351731.1 43
 93 51 1 1 93 1 91 1.30E-15 90.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032367 29159 1510 UdeM00000032367 XP_034332320.1 61.1 1312
 459 21 1 1301 8 1278 0.00E+00 1510 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032369 50429 110.9 UdeM00000032369 XP_022794541.1 30.2 252
 152 6 1 243 1 237 4.50E-21 110.9 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000032370 6596 689.9 UdeM00000032370 XP_045195220.1 72.7 472
 115 5 1 465 210 674 2.30E-195 689.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032371 6596 183.3 UdeM00000032371 XP_045195215.1 51.2 201
 85 3 1 193 1 196 2.90E-43 183.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032373 50429 112.8 UdeM00000032373 XP_022779153.1 31.2 231
 141 4 1 225 1 219 1.20E-21 112.8 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000032374 6596 550.8 UdeM00000032374 XP_045195220.1 73 370
 93 4 1 370 323 685 1.30E-153 550.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032375 6596 401.7 UdeM00000032375 XP_045195215.1 61.4 337
 122 2 1 337 1 329 8.90E-109 401.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032377 50429 111.3 UdeM00000032377 XP_022779103.1 31.6 234
 144 3 1 229 1 223 3.40E-21 111.3 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000032378 6596 595.1 UdeM00000032378 XP_045195247.1 75.6 353
 85 1 37 388 1 353 9.00E-167 595.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032379 6596 200.3 UdeM00000032379 XP_045173241.1 32.5 505
 297 17 35 527 389 861 7.10E-48 200.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032380 50429 110.5 UdeM00000032380 XP_022779153.1 30.9 230
 143 3 1 225 1 219 5.80E-21 110.5 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000032381 7998 236.5 UdeM00000032381 NP_001187808.1 70.7 150
 40 1 5 154 4 149 2.60E-59 236.5 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus
 UdeM00000032382 6573 339.3 UdeM00000032382 XP_021348148.1 81.5 189
 34 1 1 188 166 354 3.10E-90 339.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032383 6596 198.4 UdeM00000032383 XP_045173241.1 32.1 505
 299 16 35 527 389 861 2.70E-47 198.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032384 29159 112.8 UdeM00000032384 XP_034321636.1 35.6 205
 110 4 13 203 14 210 1.20E-21 112.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032385 6596 879.8 UdeM00000032385 XP_045195220.1 64.1 713
 217 8 1 713 1 674 2.40E-252 879.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032386 50429 110.9 UdeM00000032386 XP_022779103.1 31.6 234
 144 3 1 229 1 223 4.50E-21 110.9 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata

UdeM00000032387 29159 536.6 UdeM00000032387 XP_034317111.1 57.4 453
 192 1 1 452 1 453 3.10E-149 536.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032388 6596 586.3 UdeM00000032388 XP_045195247.1 76 346
 82 1 1 345 8 353 3.90E-164 586.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032389 6596 199.5 UdeM00000032389 XP_045173241.1 32.5 505
 297 17 35 527 389 861 1.20E-47 199.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032390 50429 113.2 UdeM00000032390 XP_022778017.1 27.6 257
 151 6 3 252 17 245 1.00E-21 113.2 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000032392 29159 726.5 UdeM00000032392 XP_034332325.1 74.7 446
 104 4 1 440 7 449 2.10E-206 726.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032393 400727 119 UdeM00000032393 XP_025098321.1 47.5
 120 60 1 151 267 149 268 9.70E-24 119 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000032394 41139 335.5 UdeM00000032394 XP_044750645.1 47 364
 187 2 19 381 2 360 9.00E-89 335.5 41139 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Cucujoidea;Coccinellidae;Coccinellinae;Coccinellini;Coccinella;C
 occinella septempunctata
 UdeM00000032395 6596 68.2 UdeM00000032395 XP_045195691.1 79.1 43
 9 0 1 43 1 43 3.00E-09 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032396 6596 296.2 UdeM00000032396 XP_045195691.1 75.7 189
 40 1 11 193 45 233 3.10E-77 296.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032397 6596 526.2 UdeM00000032397 XP_045195681.1 43.4 1229
 508 30 505 1655 726 1845 1.50E-145 526.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032398 6596 496.5 UdeM00000032398 XP_045195690.1 58.4 442
154 4 1 417 111 547 3.30E-137 496.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032399 6596 352.4 UdeM00000032399 XP_045196037.1 76.7 215
49 1 1 214 1 215 3.90E-94 352.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032400 37621 132.1 UdeM00000032400 XP_014677168.1 42.4 172
96 3 3 172 8 178 8.50E-28 132.1 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000032401 151771 234.6 UdeM00000032401 XP_028419301.1 45.1
273 91 3 27 242 34 304 1.40E-58 234.6 151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000032402 70779 96.3 UdeM00000032402 XP_015747352.1 44.4 108
58 1 2 107 297 404 2.80E-17 96.3 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000032404 6565 92.8 UdeM00000032404 XP_022305631.1 52.9 85
40 0 13 97 43 127 3.00E-16 92.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009432 1735272 353.2 UdeM00000009432 XP_041365728.1 53.5
316 146 1 5 320 4 318 3.50E-94 353.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009433 1735272 446.8 UdeM00000009433 XP_041355758.1 70.8
291 83 2 75 364 80 369 2.60E-122 446.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009434 1735272 446.8 UdeM00000009434 XP_041355758.1 70.8
291 83 2 35 324 80 369 2.30E-122 446.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009435 37653 211.8 UdeM00000009435 XP_014783746.1 74.2 128
33 0 1 128 115 242 5.80E-52 211.8 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000009436 1735272 79.7 UdeM00000009436 XP_041355758.1 77.3
44 10 0 23 66 326 369 1.50E-12 79.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009437 6596 145.2 UdeM00000009437 XP_045168882.1 27.1 273
196 2 25 297 22 291 1.60E-31 145.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009438 6596 396.7 UdeM00000009438 XP_045168381.1 44.9 702
355 9 1 673 1 699 5.70E-107 396.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009439 41139 63.9 UdeM00000009439 XP_044753457.1 48.4 64
33 0 3 66 5 68 8.70E-08 63.9 41139 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Cucujoidea;Coccinellidae;Coccinellinae;Coccinellini;Coccinella;C
occinella septempunctata
UdeM00000009440 29159 293.9 UdeM00000009440 XP_011447664.1 55.2 261
117 0 5 265 6 266 2.10E-76 293.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009441 6596 785.4 UdeM00000009441 XP_045170516.1 56.4 1397
493 31 380 1750 64 1370 2.20E-223 785.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009443 6573 95.5 UdeM00000009443 XP_021354625.1 34.5 174
100 5 44 207 59 228 8.40E-17 95.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009444 6573 95.5 UdeM00000009444 XP_021354625.1 34.3 175
103 5 18 183 57 228 7.50E-17 95.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009445 6579 88.6 UdeM00000009445 XP_033729305.1 33.1 163
 102 4 50 205 53 215 1.00E-14 88.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009447 6579 98.6 UdeM00000009447 XP_033729305.1 29.5 210
 143 3 3 207 6 215 1.00E-17 98.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009448 6573 99 UdeM00000009448 XP_021354625.1 33.9 171
 105 4 44 207 59 228 7.60E-18 99 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009449 6596 652.1 UdeM00000009449 XP_045170518.1 41 1626
 532 36 302 1908 64 1281 2.50E-183 652.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009450 6579 99.4 UdeM00000009450 XP_033729305.1 34.9 169
 99 4 50 213 53 215 6.00E-18 99.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009451 6573 89.4 UdeM00000009451 XP_021354625.1 31.8 176
 110 3 44 215 59 228 6.30E-15 89.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009452 6579 83.6 UdeM00000009452 XP_033729305.1 28.1 210
 144 4 3 205 6 215 3.30E-13 83.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009454 6573 87.8 UdeM00000009454 XP_021354625.1 32.9 170
 106 4 44 205 59 228 1.70E-14 87.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009455 400727 76.6 UdeM00000009455 XP_025116226.1 40.8
 103 55 3 27 125 424 524 2.50E-11 76.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000009456 6579 201.8 UdeM00000009456 XP_033739209.1 54.1 183
 84 0 9 191 2 184 7.80E-49 201.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009457 6573 357.8 UdeM00000009457 XP_021346496.1 38.3 491
 257 3 1 457 213 691 2.00E-95 357.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009460 1735272 209.9 UdeM00000009460 XP_041367330.1 35.8
358 189 10 22 364 38 369 5.40E-51 209.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009462 151771 125.6 UdeM00000009462 XP_028408228.1 41.5
207 107 3 2 197 91 294 7.40E-26 125.6 151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000009463 6579 200.3 UdeM00000009463 XP_033729790.1 38.7 274
163 2 10 283 17 285 7.80E-48 200.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009465 6596 275.8 UdeM00000009465 XP_045169764.1 67.2 195
64 0 1 195 1 195 4.30E-71 275.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009466 6526 420.6 UdeM00000009466 XP_013088120.1 87.9 224
27 0 1 224 1 224 1.20E-114 420.6 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000009467 6526 417.2 UdeM00000009467 XP_013088120.1 87.8 222
27 0 1 222 3 224 1.40E-113 417.2 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000009468 6596 110.5 UdeM00000009468 XP_045180427.1 37.8 180
103 2 76 250 98 273 3.20E-21 110.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009470 7888 147.1 UdeM00000009470 XP_043917682.1 35.8 226
104 2 1 190 319 539 2.30E-32 147.1 7888 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes;Lepidosirenoidei;Protopterygidae;Protopterus;Protopterus annectens

UdeM00000009471 6573 58.9 UdeM00000009471 XP_021353547.1 26.3 209
137 8 38 237 61 261 1.00E-05 58.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009473 6596 90.9 UdeM00000009473 XP_045167442.1 31.5 124
84 1 27 150 31 153 1.80E-15 90.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000009474 6565 81.6 UdeM00000009474 XP_022305875.1 26.5 151
100 5 7 152 6 150 1.10E-12 81.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000009476 6596 186 UdeM00000009476 XP_045167442.1 44.5 182
98 2 12 190 7 188 4.30E-44 186 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000009477 6596 178.7 UdeM00000009477 XP_045167442.1 44.4 178
96 2 10 186 5 180 6.90E-42 178.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000009478 6596 263.1 UdeM00000009478 XP_045168280.1 60 190
76 0 1 190 18 207 2.80E-67 263.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000009479 29159 228.8 UdeM00000009479 XP_011456096.2 69.2 156
47 1 1 156 1 155 6.40E-57 228.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009482 6579 93.6 UdeM00000009482 XP_033727859.1 33.1 139
81 5 205 334 19 154 5.20E-16 93.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000009484 6596 1198.7 UdeM00000009484 XP_045169444.1 65.6
936 291 7 1 930 1 911 0.00E+00 1198.7 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000009485 29159 388.3 UdeM00000009485 XP_034318427.1 85.2 223
33 0 6 228 4 226 6.90E-105 388.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009486 6565 147.9 UdeM00000009486 XP_022299727.1 47.3 146
 77 0 1 146 106 251 1.00E-32 147.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009487 6596 573.5 UdeM00000009487 XP_045169445.1 61.6 495
 155 6 25 513 246 711 2.60E-160 573.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009488 6596 430.6 UdeM00000009488 XP_045169445.1 60.4 371
 114 4 14 378 368 711 2.00E-117 430.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009489 70779 86.7 UdeM00000009489 XP_015770379.1 54.9 71
 31 1 1 70 1 71 1.60E-14 86.7 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000009490 70779 68.9 UdeM00000009490 XP_015764363.1 34.1 138
 72 4 1 120 21 157 5.40E-09 68.9 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000009492 1735272 366.3 UdeM00000009492 XP_041365728.1 54.7
 316 142 1 3 318 4 318 3.90E-98 366.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009493 1735272 379 UdeM00000009493 XP_041365728.1 56.8
 315 136 0 5 319 4 318 5.90E-102 379 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009494 6579 169.1 UdeM00000009494 XP_033761321.1 30.6 330
 215 5 4 326 16 338 1.30E-38 169.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009495 6579 157.5 UdeM00000009495 XP_033761321.1 30.4 316
 206 5 1 309 30 338 3.90E-35 157.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009496 6579 537 UdeM00000009496 XP_033762963.1 42.1 668
 346 15 268 923 185 823 4.90E-149 537 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009497 6500 378.6 UdeM00000009497 XP_005089461.1 42.5 440
 240 7 1 433 401 834 1.00E-101 378.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000009499 6500 372.9 UdeM00000009499 XP_005089461.1 42.1 435
 240 6 1 429 401 829 5.60E-100 372.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000009498 6500 419.1 UdeM00000009498 XP_005089461.1 43.1 483
 255 7 20 496 361 829 7.90E-114 419.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000009500 29159 532.7 UdeM00000009500 XP_034317111.1 57.2 453
 193 1 1 452 1 453 4.50E-148 532.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009501 29159 535 UdeM00000009501 XP_034317111.1 57.4 453
 192 1 1 452 1 453 9.10E-149 535 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009502 6579 184.9 UdeM00000009502 XP_033762959.1 51.4 181
 73 5 197 372 187 357 1.90E-43 184.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009503 29159 238.4 UdeM00000009503 XP_011443279.2 40.1 287
 161 3 7 282 10 296 1.20E-59 238.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009504 6596 570.1 UdeM00000009504 XP_045167770.1 51.8 583
 261 9 23 588 2 581 3.30E-159 570.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009505 6596 221.1 UdeM00000009505 XP_045167770.1 48.9 237
 114 4 1 231 346 581 1.50E-54 221.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009506 6596 127.5 UdeM00000009506 XP_045168571.1 54 113
 44 2 1 105 244 356 1.10E-26 127.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009507 6565 144.8 UdeM00000009507 XP_022325149.1 57 128
 53 2 10 137 434 559 8.40E-32 144.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009508 6596 547.7 UdeM00000009508 XP_045167770.1 48.9 581
 276 7 29 595 8 581 1.80E-152 547.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009509 6596 542 UdeM00000009509 XP_045167770.1 48.1 588
 283 8 22 594 1 581 9.70E-151 542 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009510 6596 493.4 UdeM00000009510 XP_045169015.1 50.7 495
 227 7 58 538 11 502 3.80E-136 493.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009511 6596 579.7 UdeM00000009511 XP_045167770.1 52.9 577
 254 9 7 566 6 581 4.00E-162 579.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009512 6596 526.9 UdeM00000009512 XP_045167770.1 48.8 576
 256 8 27 563 6 581 3.10E-146 526.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009513 6565 348.2 UdeM00000009513 XP_022310134.1 56.4 280
 121 1 2 280 1 280 9.70E-93 348.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009514 6596 743.8 UdeM00000009514 XP_045168814.1 45.1 985
 362 15 1 856 1 935 2.50E-211 743.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009515 50429 214.2 UdeM00000009515 XP_022792342.1 59.2 179
 54 2 3 180 2 162 1.40E-52 214.2 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000009516 50429 219.2 UdeM00000009516 XP_022792342.1 65.2 161
 54 2 3 161 2 162 3.90E-54 219.2 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata

UdeM00000009517 6596 1161 UdeM00000009517 XP_045168062.1 56.3 1004
400 8 40 1004 43 1046 0.00E+00 1161 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009518 6596 220.7 UdeM00000009518 XP_045169686.1 51.6 186
90 0 34 219 23 208 1.90E-54 220.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009519 6596 110.2 UdeM00000009519 XP_045169715.1 46 139
71 3 40 174 381 519 3.00E-21 110.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009520 6596 583.6 UdeM00000009520 XP_045169716.1 54.5 516
230 4 6 516 4 519 2.60E-163 583.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009524 6596 194.9 UdeM00000009524 XP_045169410.1 51.5 262
101 6 25 286 1 236 1.40E-46 194.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009525 6596 189.9 UdeM00000009525 XP_045169410.1 51.3 263
101 7 25 287 1 236 4.60E-45 189.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009527 6596 126.3 UdeM00000009527 XP_045169410.1 83.8 74
12 0 1 74 249 322 1.70E-26 126.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009526 6596 783.5 UdeM00000009526 XP_045169410.1 77.7 512
79 5 1 504 249 733 1.60E-223 783.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009528 6596 664.1 UdeM00000009528 XP_045169410.1 77.1 433
66 4 24 450 328 733 1.30E-187 664.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009529	6596	1215.7		UdeM00000009529	XP_045168273.1	81			
722	137	0	1	722	2	723	0.00E+00	1215.7	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009530	173247	300.8		UdeM00000009530	XP_029369965.1	66.8			
223	70	3	1	220	1	222	1.40E-78	300.8	173247

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteoromorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Carangiiformes;Echene
idae;Echeneis;Echeneis naucrates

UdeM00000009531	6596	192.2		UdeM00000009531	XP_045168322.1	56	150		
65	1	2	151	396	544	4.80E-46	192.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009532	6573	460.7		UdeM00000009532	XP_021368495.1	57	391		
164	1	3	389	16	406	1.90E-126	460.7	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009534	6706	80.9		UdeM00000009534	XP_042235765.1	32.9	158		
62	2	1	115	1	157	1.20E-12	80.9	6706	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus

UdeM00000009535	6596	150.6		UdeM00000009535	XP_045168327.1	58.1	117		
47	1	1	115	5	121	1.70E-33	150.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009536	6526	965.7		UdeM00000009536	XP_013063651.1	76.2	629		
141	3	1	627	1	622	2.90E-278	965.7	6526	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biophalaria;Biophalaria
glabrata

UdeM00000009537	1735272	355.1		UdeM00000009537	XP_041366481.1	57.1			
310	126	4	33	338	128	434	9.60E-95	355.1	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
topiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009538 6850 196.4 UdeM00000009538 XP_022251095.1 79.3 111
 23 0 7 117 24 134 2.00E-47 196.4 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000009539 6579 230.7 UdeM00000009539 XP_033731637.1 32.3 433
 217 8 11 441 11 369 3.60E-57 230.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009540 6596 222.6 UdeM00000009540 XP_045169752.1 50.7 211
 97 2 7 210 6 216 4.90E-55 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009541 6596 510 UdeM00000009541 XP_045169752.1 43.7 584
 300 5 7 562 6 588 3.90E-141 510 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009542 6596 343.2 UdeM00000009542 XP_045168319.1 77.6 210
 41 1 1 204 502 711 2.30E-91 343.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009543 6596 581.6 UdeM00000009543 XP_045168319.1 67.5 452
 110 4 1 415 1 452 8.00E-163 581.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009544 6596 634.4 UdeM00000009544 XP_045167519.1 71.9 434
 119 3 1 431 1 434 1.00E-178 634.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009545 6596 573.5 UdeM00000009545 XP_045168780.1 73.5 385
 97 3 3 385 2 383 2.00E-160 573.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009546 6579 122.5 UdeM00000009546 XP_033762157.1 62.2 82
 31 0 1 82 370 451 2.60E-25 122.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009547 6579 592 UdeM00000009547 XP_033762157.1 63.1 452
 166 1 1 452 1 451 6.20E-166 592 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000009548 42526 236.5 UdeM00000009548 XP_036419876.1 36 369
204 7 15 375 185 529 5.50E-59 236.5 42526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Otomorpha; Ostariophysi; Otophysi; Characiphysae; Characiformes; Characidei; Serrasalminae; Colossoma; Colossoma macropomum

UdeM00000009551 42526 223.4 UdeM00000009551 XP_036419876.1 34 368
211 6 15 374 185 528 4.80E-55 223.4 42526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Otomorpha; Ostariophysi; Otophysi; Characiphysae; Characiformes; Characidei; Serrasalminae; Colossoma; Colossoma macropomum

UdeM00000009553 6596 86.3 UdeM00000009553 XP_045169168.1 30.2 212
133 3 1 203 1 206 5.30E-14 86.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009554 6596 85.1 UdeM00000009554 XP_045169421.1 44.7 94
39 1 22 102 35 128 7.00E-14 85.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009555 6573 86.7 UdeM00000009555 XP_021373000.1 46.9 128
58 4 1 123 1 123 2.50E-14 86.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000009556 29159 923.7 UdeM00000009556 XP_011412959.2 75.6 611
125 7 11 613 137 731 1.20E-265 923.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000009557 6596 310.5 UdeM00000009557 XP_045168658.1 69.4 229
68 1 1 227 4 232 1.90E-81 310.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009559 6596 390.2 UdeM00000009559 XP_045169303.1 37.2 726
379 22 5 711 79 746 5.70E-105 390.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000009560 6596 489.6 UdeM00000009560 XP_045170118.1 66.8 343
113 1 22 363 1068 1410 3.50E-135 489.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009561 1735272 362.8 UdeM00000009561 XP_041365861.1 41.3
596 264 17 2 577 457 986 8.70E-97 362.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009562 6596 122.1 UdeM00000009562 XP_045180427.1 33.2 274
129 4 1 221 1 273 9.60E-25 122.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009563 400727 285.4 UdeM00000009563 XP_025093800.1 49.4
255 125 2 1 254 1 252 7.40E-74 285.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009564 6596 603.2 UdeM00000009564 XP_045168270.1 52.5 579
272 2 7 584 1 577 3.50E-169 603.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009565 6596 324.7 UdeM00000009565 XP_045168270.1 52.9 295
139 0 1 295 283 577 1.20E-85 324.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009566 6596 448.7 UdeM00000009566 XP_045169493.1 62.2 360
127 2 50 408 34 385 7.80E-123 448.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009567 6596 75.5 UdeM00000009567 XP_045170251.1 30.3 185
105 6 12 175 15 196 7.80E-11 75.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009569 6596 393.3 UdeM00000009569 XP_045170251.1 34 717
444 14 13 719 346 1043 6.90E-106 393.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009570 6596 61.6 UdeM00000009570 XP_045170251.1 44.3 79
41 2 2 80 1060 1135 5.50E-07 61.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009571 6596 553.9 UdeM00000009571 XP_045170251.1 35.2 1036
 605 27 2 1001 132 1137 4.20E-154 553.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009572 6596 122.1 UdeM00000009572 XP_045170251.1 42.7 157
 82 4 48 199 984 1137 8.10E-25 122.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009573 6596 577.8 UdeM00000009573 XP_045170251.1 35 1145
 658 36 27 1124 30 1135 3.00E-161 577.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009574 225164 135.2 UdeM00000009574 XP_009055556.1 81.7
 71 13 0 83 153 4345 4415 9.50E-29 135.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000009575 6596 590.5 UdeM00000009575 XP_045170251.1 34.7 1133
 659 30 27 1110 30 1130 4.50E-165 590.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009576 29159 166.4 UdeM00000009576 XP_034301736.1 81.3 91
 17 0 119 209 4556 4646 3.90E-38 166.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009576 29159 79.7 UdeM00000009576 XP_034301736.1 51.1 92
 45 0 28 119 3450 3541 4.80E-12 79.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009577 6596 239.6 UdeM00000009577 XP_045170251.1 29.3 587
 377 13 1 564 529 1100 1.00E-59 239.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009578 6579 114.4 UdeM00000009578 XP_033758038.1 70.8 89
 26 0 7 95 3459 3547 1.20E-22 114.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009579 6596 173.3 UdeM00000009579 XP_045170252.1 22 898
 444 23 2 651 131 1020 9.90E-40 173.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009582 6596 406.8 UdeM00000009582 XP_045170251.1 34.4 850
 484 23 27 824 30 857 6.80E-110 406.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009583 6596 402.5 UdeM00000009583 XP_045170251.1 34.2 850
 485 23 27 824 30 857 1.30E-108 402.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009584 6596 117.9 UdeM00000009584 XP_045170251.1 43.5 138
 70 3 49 178 984 1121 3.20E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009585 70779 77.8 UdeM00000009585 XP_015747352.1 50 66
 33 0 2 67 297 362 8.20E-12 77.8 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera

UdeM00000009586 45264 294.7 UdeM00000009586 XP_044165143.1 56 275
 113 3 2 272 41 311 1.20E-76 294.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora

UdeM00000009587 6596 127.9 UdeM00000009587 XP_045170251.1 44.1 145
 76 2 6 145 986 1130 1.10E-26 127.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009588 6573 2918.6 UdeM00000009588 XP_021370668.1 80.6
 1791 348 0 3 1793 2840 4630 0.00E+00 2918.6 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009589 6596 109.8 UdeM00000009589 XP_045180427.1 37.2 180
 104 2 76 250 98 273 5.50E-21 109.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009590 6596 4372 UdeM00000009590 XP_045170220.1 75.8 2847
 647 9 10 2835 23 2847 0.00E+00 4372 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009591 6596 214.9 UdeM00000009591 XP_045168193.1 29 556
320 27 80 592 98 621 2.80E-52 214.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009592 6596 223 UdeM00000009592 XP_045168866.1 29.5 560
335 20 110 638 18 548 1.10E-54 223 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009593 6579 851.7 UdeM00000009593 XP_033733127.1 63 691
241 7 383 1066 336 1018 1.00E-243 851.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009594 225164 98.2 UdeM00000009594 XP_009067187.1 46.9
98 51 1 47 143 15 112 9.20E-18 98.2 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000009595 7460 106.7 UdeM00000009595 XP_026301736.1 40 175
97 4 5 178 983 1150 4.30E-20 106.7 7460 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Apoidea;Apidae;Apinae;Apini;Apis;Apis mellifera

UdeM00000009596 473952 77.8 UdeM00000009596 XP_034195245.1 25.8
155 113 1 1 155 720 872 1.40E-11 77.8 473952

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia lignaria

UdeM00000009597 225164 77.8 UdeM00000009597 XP_009067187.1 47.9
71 37 0 1 71 42 112 6.80E-12 77.8 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000009598 225164 87 UdeM00000009598 XP_009067187.1 40.4
104 61 1 38 140 15 118 2.00E-14 87 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000009600 6596 538.1 UdeM00000009600 XP_045163235.1 48.1 563
286 3 83 644 4 561 1.60E-149 538.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009601 6596 522.3 UdeM00000009601 XP_045163235.1 49.7 523
257 3 1 522 44 561 7.20E-145 522.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009602 6596 94 UdeM00000009602 XP_045170404.1 39.6 144
75 3 1 141 1 135 1.70E-16 94 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009603 6596 548.1 UdeM00000009603 XP_045163235.1 48.8 562
282 3 19 579 5 561 1.40E-152 548.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009604 6596 548.1 UdeM00000009604 XP_045163235.1 48.8 562
282 3 18 578 5 561 1.40E-152 548.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009605 29159 68.6 UdeM00000009605 XP_011447506.2 43.7 87
49 0 45 131 51 137 7.20E-09 68.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009607 7574 371.3 UdeM00000009607 XP_013397625.1 46 446
194 5 3 403 5 448 1.60E-99 371.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000009606 6596 491.5 UdeM00000009606 XP_045163235.1 45.4 559
259 4 19 534 5 560 1.40E-135 491.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009611 8049 232.3 UdeM00000009611 XP_030193753.1 34.2 374
196 4 128 460 17 381 1.30E-57 232.3 8049 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Paracanthopterygii;Zeiozadaria;Gadariae;Gadiformes;Gadoidei;Gadidae;Gadus;Gadus morhua

UdeM00000009617 7574 178.7 UdeM00000009617 XP_023933057.1 53.5 170
79 0 59 228 101 270 8.30E-42 178.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000009622 6596 84 UdeM00000009622 XP_045168977.1 37.3 110
63 3 4 108 149 257 3.80E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009626 7574 100.5 UdeM00000009626 XP_013397625.1 40.3 154
79 3 139 279 296 449 3.50E-18 100.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000009627 6596 68.6 UdeM00000009627 XP_045163235.1 45.6 79
39 1 8 82 445 523 4.40E-09 68.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009628 6565 68.9 UdeM00000009628 XP_022303658.1 39.3 89
54 0 7 95 49 137 4.10E-09 68.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009629 6596 468.8 UdeM00000009629 XP_045163232.1 45.8 557
258 5 19 532 56 611 9.60E-129 468.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009632 1735272 235 UdeM00000009632 XP_041347204.1 36.7
379 212 14 1 373 208 564 1.60E-58 235 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009635 6596 100.5 UdeM00000009635 XP_045170404.1 42.4 144
71 3 1 141 1 135 1.80E-18 100.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009636 6596 198.4 UdeM00000009636 XP_045168977.1 27.2 618
364 18 61 642 33 600 2.80E-47 198.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009639 6596 97.1 UdeM00000009639 XP_045170404.1 41 144
73 3 1 141 1 135 2.00E-17 97.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009646 6596 95.5 UdeM00000009646 XP_045170404.1 40.3 144
 74 3 1 141 1 135 5.90E-17 95.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009653 6596 88.6 UdeM00000009653 XP_045170404.1 39.6 144
 75 3 1 141 1 135 7.30E-15 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009655 6573 80.1 UdeM00000009655 XP_021369941.1 25.8 399
 229 13 17 367 33 412 6.60E-12 80.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009658 6596 173.7 UdeM00000009658 XP_045168977.1 37.1 251
 140 7 6 240 9 257 3.20E-40 173.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009665 6596 96.3 UdeM00000009665 XP_045170404.1 41.7 144
 73 3 1 142 1 135 3.50E-17 96.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009666 6596 199.1 UdeM00000009666 XP_045168977.1 27.2 618
 364 18 61 642 33 600 1.70E-47 199.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043854 6596 377.1 UdeM00000043854 XP_045168006.1 57.5 313
 111 3 17 322 9 306 2.30E-101 377.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043853 6596 377.1 UdeM00000043853 XP_045168006.1 57.5 313
 111 3 7 312 9 306 2.20E-101 377.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043855 6596 241.9 UdeM00000043855 XP_045169500.1 51.5 274
 114 7 97 365 84 343 1.30E-60 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043856 6596 236.5 UdeM00000043856 XP_045170507.1 58.3 218
 83 3 1 218 1 210 4.10E-59 236.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043859 1735272 80.5 UdeM00000043859 XP_041374802.1 44.7
 85 47 0 50 134 246 330 1.80E-12 80.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043860 6596 808.5 UdeM00000043860 XP_045170218.1 91.4 418
 36 0 1 418 1 418 3.90E-231 808.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043861 6596 802.4 UdeM00000043861 XP_045170218.1 90.4 418
 40 0 4 421 1 418 2.80E-229 802.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043862 6596 181 UdeM00000043862 XP_045170165.1 43.4 244
 126 6 20 253 43 284 1.90E-42 181 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043863 1735272 392.1 UdeM00000043863 XP_041366521.1 46.4
 537 239 9 2 534 3 494 1.10E-105 392.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043864 6596 521.2 UdeM00000043864 XP_045169005.1 64 422
 95 1 24 445 32 396 1.60E-144 521.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043865 6565 222.2 UdeM00000043865 XP_022309141.1 78.2 142
 30 1 24 164 35 176 4.70E-55 222.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043866 6596 317.8 UdeM00000043866 XP_045168717.1 48.6 323
 130 2 4 290 3 325 1.50E-83 317.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043870 6596 482.6 UdeM00000043870 XP_045167596.1 78.2 294
 64 0 53 346 776 1069 4.10E-133 482.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043871 6596 70.9 UdeM00000043871 XP_045168968.1 33 109
 68 3 21 126 101 207 1.50E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035542 6565 109.8 UdeM00000035542 XP_022308047.1 36.5 156
 91 4 2 155 6 155 3.50E-21 109.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035543 6579 87.8 UdeM00000035543 XP_033746501.1 48.5 97
 45 2 13 109 1001 1092 1.00E-14 87.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035544 6573 244.2 UdeM00000035544 XP_021347654.1 50.6 261
 108 3 74 318 398 653 2.40E-61 244.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035545 6573 430.6 UdeM00000035545 XP_021347653.1 54.6 405
 150 6 34 428 32 412 2.30E-117 430.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035546 6596 853.6 UdeM00000035546 XP_045165907.1 57.9 668
 258 7 1 649 43 706 1.60E-244 853.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035547 6596 646.7 UdeM00000035547 XP_045164339.1 64.3 474
 149 5 3 458 1 472 2.20E-182 646.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035549 6579 426.4 UdeM00000035549 XP_033744632.1 66.4 420
 117 6 1 400 1 416 4.00E-116 426.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035550 1735272 157.9 UdeM00000035550 XP_041347510.1 64.1
 117 31 1 25 141 29 134 9.50E-36 157.9 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035551 45264 263.8 UdeM00000035551 XP_044165143.1 40.1 397
135 7 41 338 34 426 2.90E-67 263.8 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000035552 151771 343.6 UdeM00000035552 XP_028406951.1 35.7
582 322 13 47 617 88 628 5.30E-91 343.6 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000035553 6565 75.9 UdeM00000035553 XP_022314409.1 39.8 123
61 4 156 265 1193 1315 8.80E-11 75.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035554 6573 223.8 UdeM00000035554 XP_021342767.1 61.3 168
64 1 1 168 9 175 5.10E-55 223.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035555 6565 152.9 UdeM00000035555 XP_022299941.1 54.8 135
55 3 2 132 67 199 9.90E-34 152.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035556 6596 454.9 UdeM00000035556 XP_045165855.1 51.5 511
210 15 19 499 15 517 1.30E-124 454.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000035557 6596 461.5 UdeM00000035557 XP_045167233.1 62.3 353
133 0 58 410 67 419 1.20E-126 461.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000035558 6596 791.2 UdeM00000035558 XP_045167233.1 64.8 579
204 0 1 579 427 1005 9.00E-226 791.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000035559 225164 245.4 UdeM00000035559 XP_009066743.1 58
212 86 1 3 211 2 213 6.70E-62 245.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae; Lottiidae;Lottia;Lottia gigantea

UdeM00000035560 6596 112.8 UdeM00000035560 XP_045166358.1 58.4 89
 37 0 1 89 124 212 2.20E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035561 6596 439.9 UdeM00000035561 XP_045167319.1 46.2 532
 268 6 71 596 482 1001 5.20E-120 439.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035562 6596 105.1 UdeM00000035562 XP_045167318.1 53.6 112
 39 4 2 112 344 443 6.50E-20 105.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035563 6596 302.4 UdeM00000035563 XP_045167318.1 51.6 281
 132 3 1 281 1 277 6.20E-79 302.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035565 43700 68.2 UdeM00000035565 XP_020474880.1 72.1 43
 12 0 54 96 36 78 7.20E-09 68.2 43700 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Anabantaria;Synbranchiformes;Sy
 nbranchioidei;Synbranchidae;Monopterus;Monopterus albus

UdeM00000035566 6579 270.4 UdeM00000035566 XP_033746322.1 50.8 380
 148 10 6 354 2 373 3.30E-69 270.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035567 400727 873.6 UdeM00000035567 XP_025107106.1 71.8
 593 162 2 249 841 68 655 2.00E-250 873.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000035568 6596 454.9 UdeM00000035568 XP_045167050.1 56 389
 134 2 13 380 49 421 1.00E-124 454.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035569 6596 82.4 UdeM00000035569 XP_045165395.1 32.7 208
 106 7 519 715 510 694 4.10E-12 82.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035571 6596 905.2 UdeM00000035571 XP_045165867.1 59.7 786
301 6 4 778 5 785 6.30E-260 905.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035572 6596 573.5 UdeM00000035572 XP_045165092.1 51.5 612
283 9 4 606 19 625 3.10E-160 573.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035574 6596 147.5 UdeM00000035574 XP_045166317.1 38.7 248
138 3 1 237 1 245 2.20E-32 147.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035576 6596 162.9 UdeM00000035576 XP_045164985.1 43.3 187
104 2 27 212 1 186 4.50E-37 162.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035577 6573 761.1 UdeM00000035577 XP_021356935.1 62.1 631
212 9 4 619 14 632 1.10E-216 761.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035578 6596 637.9 UdeM00000035578 XP_045165673.1 66.2 458
143 3 1 456 1 448 1.00E-179 637.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035579 6596 1866.3 UdeM00000035579 XP_045166695.1 62.7
1567 577 2 24 1584 202 1767 0.00E+00 1866.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035580 6596 335.5 UdeM00000035580 XP_045166695.1 75.7 202
47 1 1 200 1 202 5.40E-89 335.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035582 1735272 464.5 UdeM00000035582 XP_041350140.1 57.1
450 178 6 2 444 3 444 1.50E-127 464.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035583 6596 671 UdeM00000035583 XP_045164941.1 63.1 485
 173 3 15 496 55 536 1.20E-189 671 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035584 6573 502.7 UdeM00000035584 XP_021371828.1 51.2 523
 245 4 13 534 77 590 5.90E-139 502.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035585 6573 502.7 UdeM00000035585 XP_021371828.1 51.2 523
 245 4 79 600 77 590 6.60E-139 502.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035586 6596 435.3 UdeM00000035586 XP_045164100.1 87.2 235
 30 0 4 238 5 239 5.40E-119 435.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035587 6596 588.2 UdeM00000035587 XP_045164101.1 86 314
 44 0 4 317 5 318 6.30E-165 588.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035589 6596 203.8 UdeM00000035589 XP_045166955.1 59.3 162
 66 0 2 163 260 421 1.90E-49 203.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000035588 7574 432.2 UdeM00000035588 XP_013411211.1 48.2 488
 230 6 1 466 1 487 8.90E-118 432.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000035590 7574 268.5 UdeM00000035590 XP_013411211.1 45.5 336
 160 6 1 314 1 335 1.10E-68 268.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000035591 151771 112.1 UdeM00000035591 XP_028405874.1 55.2
 96 43 0 6 101 55 150 5.20E-22 112.1 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000035592 45264 288.1 UdeM00000035592 XP_044165143.1 54.9 275
 107 3 2 263 41 311 1.10E-74 288.1 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000035593 6596 266.5 UdeM00000035593 XP_045164442.1 34.4 582
334 18 20 592 16 558 7.90E-68 266.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035594 6573 1192.6 UdeM00000035594 XP_021356950.1 79.9
748 145 3 1 747 412 1155 0.00E+00 1192.6 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035595 225164 199.5 UdeM00000035595 XP_009050006.1 77.4
133 30 0 1 133 411 543 2.90E-48 199.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
Lottiidae;Lottia;Lottia gigantea

UdeM00000035596 6596 83.2 UdeM00000035596 XP_045166190.1 58.6 58
24 0 153 210 343 400 5.10E-13 83.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035597 6596 550.8 UdeM00000035597 XP_045166190.1 75.2 347
82 1 1 347 1 343 1.20E-153 550.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035599 6596 438.7 UdeM00000035599 XP_045164745.1 46.5 492
254 3 8 492 435 924 1.10E-119 438.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035600 6565 143.7 UdeM00000035600 XP_022306835.1 53.2 139
65 0 1 139 19 157 1.90E-31 143.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035601 29159 90.1 UdeM00000035601 XP_034329650.1 47.2 72
38 0 2 73 307 378 1.30E-15 90.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035602 6579 115.5 UdeM00000035602 XP_033731739.1 64.9 77
27 0 1 77 202 278 3.00E-23 115.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035603 6573 158.7 UdeM00000035603 XP_021352044.1 64.3 115
 41 0 1 115 1 115 5.20E-36 158.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pecti
 nida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035604 6596 726.1 UdeM00000035604 XP_045164745.1 41.7 918
 498 10 1 897 118 1019 5.50E-206 726.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035605 6596 707.6 UdeM00000035605 XP_045165465.1 40.5 913
 513 6 67 969 118 1010 2.20E-200 707.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035606 6596 710.3 UdeM00000035606 XP_045164745.1 41 915
 496 8 67 944 114 1021 3.30E-201 710.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035607 7574 376.7 UdeM00000035607 XP_023930490.1 89.9 198
 20 0 17 214 4467 4664 2.00E-101 376.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000035608 6596 166 UdeM00000035608 XP_045164745.1 32.3 260
 158 3 1 243 118 376 6.00E-38 166 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035609 1735272 133.3 UdeM00000035609 XP_041349366.1 34.4
 180 109 1 63 233 75 254 4.40E-28 133.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035610 6596 197.2 UdeM00000035610 XP_045164745.1 42.5 221
 120 2 8 222 435 654 2.40E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035611 6596 202.6 UdeM00000035611 XP_045165465.1 42.5 266
 134 2 6 270 763 1010 6.50E-49 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035612 6596 537.7 UdeM00000035612 XP_045164745.1 40.6 697
 396 6 67 750 114 805 2.50E-149 537.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035616 6596 2503.4 UdeM00000035616 XP_045167191.1 57.7
2925 997 47 13 2843 1798 4576 0.00E+00 2503.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035617 6596 2197.9 UdeM00000035617 XP_045167191.1 67.7
1792 457 18 1 1718 33 1777 0.00E+00 2197.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035619 225164 140.2 UdeM00000035619 XP_009060469.1 31.4
261 152 6 238 497 5 239 7.20E-30 140.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000035620 6579 394 UdeM00000035620 XP_033746731.1 67.9 277
88 1 1 276 1 277 1.50E-106 394 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035621 6573 393.7 UdeM00000035621 XP_021357777.1 67.1 277
91 0 1 277 1 277 2.00E-106 393.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035622 6596 693.7 UdeM00000035622 XP_045164440.1 50.3 720
337 10 4 718 6 709 2.60E-196 693.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035623 6596 699.5 UdeM00000035623 XP_045164440.1 49.9 736
347 11 4 733 6 725 4.50E-198 699.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035627 6579 58.5 UdeM00000035627 XP_033727799.1 57.1 49
18 2 90 137 80 126 7.60E-06 58.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035628 6565 142.1 UdeM00000035628 XP_022323822.1 34.4 212
128 7 53 258 978 1184 1.10E-30 142.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035630 6565 90.9 UdeM00000035630 XP_022288855.1 41.3 121
 65 5 20 139 973 1088 3.10E-15 90.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035634 6565 97.4 UdeM00000035634 XP_022325431.1 32.5 169
 106 6 13 181 1172 1332 3.70E-17 97.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035632 6565 110.9 UdeM00000035632 XP_022325431.1 30 217
 131 8 17 230 1076 1274 3.70E-21 110.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035633 6565 100.1 UdeM00000035633 XP_022322604.1 28.6 220
 136 7 17 236 559 757 6.60E-18 100.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035635 6579 116.7 UdeM00000035635 XP_033744257.1 41.4 140
 82 0 1 140 154 293 2.60E-23 116.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035636 6596 114.4 UdeM00000035636 XP_045191674.1 24.8 262
 173 9 16 273 1574 1815 3.60E-22 114.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035637 6579 116.7 UdeM00000035637 XP_033744257.1 41.4 140
 82 0 1 140 154 293 2.60E-23 116.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035639 6579 119.4 UdeM00000035639 XP_033744257.1 41 144
 85 0 79 222 150 293 6.10E-24 119.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035640 6565 97.8 UdeM00000035640 XP_022325431.1 33.1 172
 102 6 13 181 1113 1274 1.60E-17 97.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044420 6579 96.7 UdeM00000044420 XP_033734060.1 53.2 79
 37 0 38 116 182 260 4.00E-17 96.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042255 29159 99 UdeM00000042255 XP_034322429.1 32.5 206
 76 3 6 148 3 208 6.00E-18 99 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032578 29159 65.5 UdeM00000032578 XP_034302783.1 38.6 101
 60 1 13 111 215 315 6.00E-08 65.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032579 6579 140.2 UdeM00000032579 XP_033728272.1 60.7 112
 41 1 36 144 140 251 2.10E-30 140.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032581 6579 88.6 UdeM00000032581 XP_033725462.1 38.6 166
 90 8 1 164 12 167 8.20E-15 88.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032580 29159 159.5 UdeM00000032580 XP_034318677.1 43 228
 107 7 5 223 13 226 5.10E-36 159.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032582 6596 571.6 UdeM00000032582 XP_045167770.1 51.6 578
 262 8 27 588 6 581 1.10E-159 571.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032583 6596 203 UdeM00000032583 XP_045168722.1 55.7 183
 63 2 1 169 1 179 3.10E-49 203 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032584 6596 79.7 UdeM00000032584 XP_045169219.1 40.6 138
 66 5 2 139 16 137 3.60E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032585 29159 189.5 UdeM00000032585 XP_034315421.1 51 206
 95 3 114 315 271 474 6.50E-45 189.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032586 29159 365.9 UdeM00000032586 XP_034318948.1 68.8 247
 76 1 1 246 374 620 4.20E-98 365.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032587 29159 129.8 UdeM00000032587 XP_034319609.1 48.7 117
 58 2 1 116 839 954 2.30E-27 129.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032588 6596 391.3 UdeM00000032588 XP_045169126.1 50.6 397
 180 7 23 417 21 403 1.60E-105 391.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032589 29159 659.8 UdeM00000032589 XP_011416735.2 61.9 586
 213 6 99 676 74 657 3.60E-186 659.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032590 6573 674.1 UdeM00000032590 XP_021374213.1 56.5 671
 264 9 4 651 12 677 1.80E-190 674.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032595 6596 484.6 UdeM00000032595 XP_045169065.1 68.3 360
 108 2 91 449 123 477 1.40E-133 484.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032596 6596 125.6 UdeM00000032596 XP_045169065.1 58.3 127
 40 7 37 154 17 139 5.80E-26 125.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032597 29159 298.5 UdeM00000032597 XP_034322771.1 33.2 576
 310 10 13 538 32 582 1.70E-77 298.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032598 6565 297.7 UdeM00000032598 XP_022286721.1 76.6 175
 40 1 1 175 546 719 9.40E-78 297.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032599 6596 311.6 UdeM00000032599 XP_045169975.1 42.7 482
 228 13 1 447 1 469 1.60E-81 311.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032600 6596 311.2 UdeM00000032600 XP_045169975.1 43.2 482
 225 14 1 446 1 469 2.10E-81 311.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000032602 6596 752.7 UdeM00000032602 XP_045169122.1 72.1 487
 136 0 1 487 38 524 3.30E-214 752.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032601 6596 785.8 UdeM00000032601 XP_045169122.1 70.2 531
 145 1 4 534 7 524 3.80E-224 785.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032603 46514 90.1 UdeM00000032603 XP_038073135.1 38.7 111
 62 1 1 111 393 497 1.90E-15 90.1 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000032604 400727 60.5 UdeM00000032604 XP_025095902.1 44.6
 83 42 2 40 120 35 115 1.70E-06 60.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000032606 43689 58.2 UdeM00000032606 XP_039862795.1 34.5 84
 54 1 1 84 124 206 6.10E-06 58.2 43689 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African
 cichlids;Pseudocrenilabrinae;Tropheini;Simochromis;Simochromis diagramma
 UdeM00000032607 400682 63.9 UdeM00000032607 XP_011409510.1 55.3
 47 21 0 1 47 234 280 1.50E-07 63.9 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000032609 1257118 402.1 UdeM00000032609 XP_004334931.1 43.3
 545 252 18 40 566 38 543 1.20E-108 402.1 1257118
 cellular
 organisms;Eukaryota;Amoebozoa;Discosea;Longamoebia;Centramoebida;Acantham
 oebidae;Acanthamoeba;Acanthamoeba castellanii;Acanthamoeba castellanii
 str. Neff
 UdeM00000032611 6596 510.4 UdeM00000032611 XP_045193585.1 68.8 336
 105 0 1 336 86 421 1.80E-141 510.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032610 6596 593.6 UdeM00000032610 XP_045193585.1 66 421
 127 1 1 405 1 421 1.90E-166 593.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032612 37653 124.4 UdeM00000032612 XP_014774940.1 59.4 143
57 1 2 143 3 145 2.40E-25 124.4 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000032613 8236 124 UdeM00000032613 XP_044195363.1 78.1 73
16 0 1 73 1 73 3.00E-25 124 8236 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Pelagiaria;Scombriformes;Scombridae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000032614 6596 633.6 UdeM00000032614 XP_045193585.1 68.6 421
132 0 1 421 1 421 1.70E-178 633.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032615 400727 189.5 UdeM00000032615 XP_025096265.1 69.2
120 37 0 1 120 284 403 2.50E-45 189.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000032616 6596 258.5 UdeM00000032616 XP_045164927.1 35 448
274 8 28 464 123 564 1.70E-65 258.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032617 6579 72 UdeM00000032617 XP_033762814.1 45.2 73
39 1 24 95 23 95 5.50E-10 72 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032618 6579 66.6 UdeM00000032618 XP_033762814.1 37.6 125
64 4 7 119 8 130 5.50E-08 66.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032619 6596 221.9 UdeM00000032619 XP_045170287.1 62.8 180
66 1 1 180 1 179 6.80E-55 221.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032620 1735272 85.1 UdeM00000032620 XP_041375019.1 52.3
88 42 0 1 88 217 304 5.30E-14 85.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000032621 6596 464.5 UdeM00000032621 XP_045170287.1 67 385
114 6 1 384 181 553 1.30E-127 464.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032622 6573 775.8 UdeM00000032622 XP_021341158.1 75.8 608
144 2 127 732 77 683 5.80E-221 775.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032623 6596 436.4 UdeM00000032623 XP_045170120.1 55.5 375
163 3 3 376 25 396 3.60E-119 436.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032624 6573 232.3 UdeM00000032624 XP_021377110.1 83.1 136
23 0 1 136 1 136 3.80E-58 232.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032625 6596 357.5 UdeM00000032625 XP_045185334.1 51.1 317
151 1 11 327 10 322 1.90E-95 357.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032626 6596 354 UdeM00000032626 XP_045169854.1 51.2 326
151 5 7 327 1 323 2.40E-94 354 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032627 6565 399.1 UdeM00000032627 XP_022309189.1 55.8 355
148 5 8 358 3 352 6.40E-108 399.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032628 1735272 138.3 UdeM00000032628 XP_041365223.1 47.7
130 65 3 8 136 12 139 1.10E-29 138.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000032629 6565 179.9 UdeM00000032629 XP_022309189.1 59.3 145
58 1 15 158 199 343 2.60E-42 179.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032630 6596 605.1 UdeM00000032630 XP_045169733.1 67.9 424
132 3 10 432 7 427 6.90E-170 605.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032631 6579 309.3 UdeM00000032631 XP_033762544.1 55.1 245
110 0 1 245 20 264 4.40E-81 309.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032632 6596 375.2 UdeM00000032632 XP_045167953.1 67.1 550
177 1 1 546 1 550 1.40E-100 375.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032633 6596 350.5 UdeM00000032633 XP_045167953.1 67.9 524
168 0 5 528 27 550 3.70E-93 350.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032634 400727 397.5 UdeM00000032634 XP_025093996.1 55.8
310 132 3 13 320 12 318 1.60E-107 397.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000032636 46514 305.1 UdeM00000032636 XP_038075667.1 38 487
237 10 15 452 94 564 1.50E-79 305.1 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000032637 6596 457.6 UdeM00000032637 XP_045168399.1 48.9 444
221 2 1 444 9 446 1.80E-125 457.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032639 6596 85.9 UdeM00000032639 XP_045169097.1 51.4 74
33 1 81 151 88 161 5.50E-14 85.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032641 6596 85.9 UdeM00000032641 XP_045170036.1 37.9 95
58 1 3 97 261 354 3.20E-14 85.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032642 6596 172.2 UdeM00000032642 XP_045168630.1 46.8 186
97 2 7 190 10 195 7.30E-40 172.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032644 7574 124 UdeM00000032644 XP_013379183.1 38.6 207
 80 5 2 202 48 213 5.30E-25 124 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000032645 6596 184.9 UdeM00000032645 XP_045177958.1 44.5 236
 105 4 23 233 47 281 1.20E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032646 6596 164.1 UdeM00000032646 XP_045177958.1 48.3 180
 85 2 1 172 94 273 1.70E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032647 1735272 239.6 UdeM00000032647 XP_041367191.1 59.9
 202 81 0 10 211 8 209 3.80E-60 239.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032648 6596 359.8 UdeM00000032648 XP_045168298.1 57.4 289
 122 1 1 288 8 296 3.30E-96 359.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032649 1735272 217.2 UdeM00000032649 XP_041366966.1 55.2
 203 82 5 1 199 1 198 1.90E-53 217.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032650 6565 83.6 UdeM00000032650 XP_022338028.1 32.7 153
 92 5 5 153 256 401 4.80E-13 83.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032651 6579 197.6 UdeM00000032651 XP_033755207.1 35.3 371
 205 15 6 364 45 392 3.90E-47 197.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032654 6596 995.3 UdeM00000032654 XP_045167378.1 70 767
 229 1 73 838 26 792 4.50E-287 995.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032655 6596 174.5 UdeM00000032655 XP_045167378.1 61 136
 52 1 25 159 26 161 1.20E-40 174.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032656 6596 68.2 UdeM00000032656 XP_045163626.1 47 83
 39 3 1 80 1 81 5.60E-09 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032657 29159 61.6 UdeM00000032657 XP_034319761.1 51.9 52
 24 1 34 84 1643 1694 5.60E-06 61.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032658 6573 434.1 UdeM00000032658 XP_021365063.1 55.1 405
 156 5 80 484 45 423 2.40E-118 434.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032659 6573 223 UdeM00000032659 XP_021352426.1 47.3 224
 108 3 267 486 174 391 8.20E-55 223 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032660 6596 340.1 UdeM00000032660 XP_045198992.1 54.2 297
 134 2 1 297 9 303 2.80E-90 340.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032661 6596 613.2 UdeM00000032661 XP_045167795.1 37.8 873
 517 16 153 1006 6517 7382 5.80E-172 613.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032662 6596 447.2 UdeM00000032662 XP_045168675.1 40.7 750
 367 22 465 1161 632 1356 9.70E-122 447.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032663 6579 847.4 UdeM00000032663 XP_033761970.1 59.3 831
 326 6 387 1210 457 1282 2.30E-242 847.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032664 29159 436.8 UdeM00000032664 XP_019926384.2 47 583
 303 2 1 579 1 581 4.30E-119 436.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032665 6596 1149.4 UdeM00000032665 XP_045170320.1 63.1
971 308 8 1 940 31 982 0.00E+00 1149.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032666 6596 322.4 UdeM00000032666 XP_045170320.1 47 383
156 5 128 481 618 982 9.80E-85 322.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032667 6596 631.7 UdeM00000032667 XP_045168033.1 58.3 638
227 13 31 638 4 632 1.00E-177 631.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032668 6596 176.4 UdeM00000032668 XP_045167467.1 38.4 229
127 5 37 254 22 247 4.60E-41 176.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032670 133434 76.6 UdeM00000032670 XP_022099026.1 46.2
80 43 0 2 81 167 246 3.00E-11 76.6 133434

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci

UdeM00000032671 13397 155.2 UdeM00000032671 XP_041037025.1 40.3 221
119 4 4 223 6 214 1.00E-34 155.2 13397 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
don;Carcharodon carcharias

UdeM00000032672 6579 186.4 UdeM00000032672 XP_033761764.1 44.4 216
114 3 53 262 215 430 4.60E-44 186.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032673 6596 131.7 UdeM00000032673 XP_045168170.1 33.7 563
256 22 2 509 477 977 2.60E-27 131.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000032674 6579 542 UdeM00000032674 XP_033761865.1 78.4 320
69 0 16 335 42 361 7.90E-151 542 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032675 1735272 209.5 UdeM00000032675 XP_041366054.1 39.7
 310 177 6 1 309 2 302 6.20E-51 209.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032676 6565 581.3 UdeM00000032676 XP_022336360.1 83.8 339
 55 0 1 339 1 339 8.30E-163 581.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032677 6596 678.3 UdeM00000032677 XP_045186372.1 78.3 401
 87 0 29 429 4 404 6.30E-192 678.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000032678 6596 637.9 UdeM00000032678 XP_045186372.1 79.9 368
 74 0 2 369 37 404 8.10E-180 637.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000032679 1735272 152.5 UdeM00000032679 XP_041366822.1 39.2
 232 134 3 252 477 3 233 2.60E-33 152.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032680 6500 968 UdeM00000032680 XP_035828507.1 80.9 572
 109 0 292 863 236 807 8.00E-279 968 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000032681 6596 369 UdeM00000032681 XP_045168925.1 46.7 443
 203 8 13 437 43 470 8.40E-99 369 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000032682 1735272 273.5 UdeM00000032682 XP_041366271.1 94
 133 8 0 1 133 1 133 5.50E-70 273.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032683 6565 866.7 UdeM00000032683 XP_022310335.1 93.4 454
 30 0 1 454 1 454 1.30E-248 866.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032684 6596 421.8 UdeM00000032684 XP_045168337.1 35.5 1143
 589 31 1 1086 12 1063 3.10E-114 421.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032685 6596 277.3 UdeM00000032685 XP_045168919.1 54 237
 107 1 4 240 14 248 3.30E-71 277.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032686 6579 97.8 UdeM00000032686 XP_033762080.1 40.3 124
 73 1 3 125 6 129 1.60E-17 97.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032687 6579 837.4 UdeM00000032687 XP_033761887.1 54.6 866
 317 14 2 807 3 852 1.50E-239 837.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032688 6596 802.4 UdeM00000032688 XP_045170417.1 81.2 629
 117 1 4 631 3 631 4.30E-229 802.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032689 225164 301.6 UdeM00000032689 XP_009064772.1 77.5
 187 40 1 6 190 7 193 7.30E-79 301.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000032690 6596 147.5 UdeM00000032690 XP_045169740.1 48.6 138
 71 0 549 686 190 327 6.80E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032691 6579 94.4 UdeM00000032691 XP_033763014.1 37.7 122
 75 1 24 144 27 148 1.40E-16 94.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032692 6596 184.5 UdeM00000032692 XP_045170910.1 98.9 89
 1 0 1 89 1 89 6.00E-44 184.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032693 6579 183.7 UdeM00000032693 XP_033748438.1 98.9 89
 1 0 1 89 1 89 1.00E-43 183.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032694 7739 177.9 UdeM00000032694 XP_035680064.1 67.9 134
43 0 1 134 1 134 8.40E-42 177.9 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
UdeM00000032695 6596 552.4 UdeM00000032695 XP_045168251.1 62.2 426
149 3 6 428 5 421 5.20E-154 552.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032696 6596 136 UdeM00000032696 XP_045188485.1 33.5 242
147 6 127 360 23 258 1.40E-28 136 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032697 7757 487.6 UdeM00000032697 XP_032835197.1 80.9 298
57 0 77 374 3 300 1.40E-134 487.6 7757 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus
UdeM00000032699 6573 177.2 UdeM00000032699 XP_021341655.1 44 234
121 4 1 227 8 238 4.60E-41 177.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032700 6596 365.5 UdeM00000032700 XP_045168917.1 40.4 569
220 8 1 451 53 620 9.50E-98 365.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032701 6596 90.5 UdeM00000032701 XP_045161329.1 47.6 103
50 3 68 167 1 102 2.20E-15 90.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032702 6596 90.1 UdeM00000032702 XP_045161329.1 47.6 103
50 3 68 167 1 102 2.90E-15 90.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032703 6596 90.5 UdeM00000032703 XP_045163626.1 48 100
47 3 4 100 5 102 1.30E-15 90.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032704 6596 90.1 UdeM00000032704 XP_045161329.1 47.6 103
 50 3 1 100 1 102 1.70E-15 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032705 6596 165.6 UdeM00000032705 XP_045177958.1 42.5 228
 109 4 23 228 47 274 7.50E-38 165.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032706 6596 177.6 UdeM00000032706 XP_045177958.1 44.9 225
 102 4 22 224 47 271 1.90E-41 177.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032707 6596 176.4 UdeM00000032707 XP_045177958.1 45.1 226
 102 4 22 225 47 272 4.30E-41 176.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032708 6596 90.9 UdeM00000032708 XP_045163626.1 48.6 107
 48 5 1 102 1 105 1.00E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032709 6596 84 UdeM00000032709 XP_045161329.1 46.2 93
 46 3 5 94 4 95 1.20E-13 84 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032710 29159 132.1 UdeM00000032710 XP_034331441.1 43.4 159
 86 2 10 165 61 218 8.10E-28 132.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032712 29159 199.5 UdeM00000032712 XP_034299594.1 37.4 278
 170 4 3 278 478 753 5.60E-48 199.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032714 6596 681.8 UdeM00000032714 XP_045170124.1 57 626
 228 6 143 730 83 705 9.70E-193 681.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032715 6596 820.5 UdeM00000032715 XP_045170127.1 63.8 639
 223 4 43 680 41 672 1.60E-234 820.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032716 6565 129 UdeM00000032716 XP_022322655.1 50.8 118
58 0 1 118 417 534 3.90E-27 129 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032717 6565 131.3 UdeM00000032717 XP_022322655.1 54.8 124
53 1 44 164 245 368 1.20E-27 131.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032718 46514 69.3 UdeM00000032718 XP_038075930.1 41.2 80
44 2 1 77 116 195 2.40E-09 69.3 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000032720 6579 77.8 UdeM00000032720 XP_033728706.1 49.1 57
29 0 1 57 112 168 1.30E-11 77.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032722 6565 158.7 UdeM00000032722 XP_022297447.1 52.4 147
54 2 120 250 48 194 9.80E-36 158.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032723 6596 735.7 UdeM00000032723 XP_045168415.1 65.4 592
118 4 12 589 6 524 4.50E-209 735.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032724 6596 761.1 UdeM00000032724 XP_045168416.1 73.2 526
111 3 12 530 6 508 9.10E-217 761.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032726 6596 944.9 UdeM00000032726 XP_045168708.1 47.5 1106
508 26 12 1075 73 1147 9.00E-272 944.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032727 6500 201.4 UdeM00000032727 XP_005097393.1 88.2 119
14 0 1 119 1 119 6.50E-49 201.4 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000032728 400727 357.8 UdeM00000032728 XP_025093173.1 51.6
341 164 1 18 358 66 405 1.60E-95 357.8 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000032729 400727 357.5 UdeM00000032729 XP_025093173.1 51.6
341 164 1 51 391 66 405 2.20E-95 357.5 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000032730 6596 131.3 UdeM00000032730 XP_045185326.1 67.4 89
29 0 1 89 1 89 1.40E-27 131.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032731 6596 542.7 UdeM00000032731 XP_045168922.1 88.7 310
32 2 1 307 13 322 2.90E-151 542.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032732 6596 547.4 UdeM00000032732 XP_045168922.1 88.8 313
32 2 10 319 10 322 1.20E-152 547.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032733 6596 981.5 UdeM00000032733 XP_045169855.1 62.8 806
254 11 1 770 1 796 6.30E-283 981.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032734 6596 786.2 UdeM00000032734 XP_045169855.1 52 848
277 17 1 770 1 796 3.90E-224 786.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032735 6565 512.7 UdeM00000032735 XP_022310528.1 71.3 317
91 0 5 321 29 345 3.40E-142 512.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000032736 1735272 334 UdeM00000032736 XP_041367617.1 68.3
224 65 2 11 234 9 226 1.60E-88 334 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pelto-
spiridae;Gigantopelta;Gigantopelta aegis
UdeM00000032737 6579 84 UdeM00000032737 XP_033762933.1 30.9 191
116 3 52 226 32 222 3.00E-13 84 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000032739 6596 201.4 UdeM00000032739 XP_045169241.1 73.6 144
34 1 63 206 85 224 1.10E-48 201.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032740 7888 87 UdeM00000032740 XP_043921024.1 35.8 109
66 2 8 116 211 315 2.00E-14 87 7888 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes;
Lepidosirenoidei;Protopteridae;Protopterus;Protopterus annectens
UdeM00000032741 1735272 85.1 UdeM00000032741 XP_041367618.1 35.4
127 69 3 3 121 7 128 7.40E-14 85.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000032742 7888 92.8 UdeM00000032742 XP_043921024.1 37.4 107
65 1 8 114 211 315 3.60E-16 92.8 7888 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes;
Lepidosirenoidei;Protopteridae;Protopterus;Protopterus annectens
UdeM00000032743 6596 175.3 UdeM00000032743 XP_045169816.1 83.9 93
15 0 1 93 887 979 3.80E-41 175.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032744 7739 129.4 UdeM00000032744 XP_035663392.1 27.5 385
216 21 23 381 1484 1831 9.70E-27 129.4 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
UdeM00000032745 6596 877.5 UdeM00000032745 XP_045169816.1 49.9 1024
358 18 6 921 3 979 1.50E-251 877.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000032747 6573 184.1 UdeM00000032747 XP_021370236.1 71.7 113
32 0 1 113 3 115 1.20E-43 184.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032748 6573 413.7 UdeM00000032748 XP_021370236.1 68.1 313
98 1 5 315 137 449 2.30E-112 413.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000032749 6573 385.2 UdeM00000032749 XP_021370236.1 68.8 288
 88 1 1 286 162 449 7.90E-104 385.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032750 6565 167.2 UdeM00000032750 XP_022309131.1 35.9 345
 193 10 1 334 461 788 6.70E-38 167.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032751 6596 197.6 UdeM00000032751 XP_045167397.1 50.4 246
 97 11 1 232 1 235 1.80E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032752 6596 361.3 UdeM00000032752 XP_045169230.1 60.2 299
 114 2 19 317 22 315 1.30E-96 361.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032753 6579 214.5 UdeM00000032753 XP_033762148.1 63.9 180
 59 3 2 175 3 182 1.40E-52 214.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032754 370355 365.2 UdeM00000032754 XP_004254374.1 47.3
 366 186 2 5 363 9 374 1.00E-97 365.2 370355
 cellular
 organisms;Eukaryota;Amoebozoa;Evosea;Archamoebae;Mastigamoebida;Entamoebi
 dae;Entamoeba;Entamoeba invadens;Entamoeba invadens IP1
 UdeM00000032755 6596 379.4 UdeM00000032755 XP_045192116.1 75.6 246
 59 1 1 245 1 246 3.50E-102 379.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032756 29159 1243.4 UdeM00000032756 XP_034309269.1 51.6
 1272 524 7 51 1236 60 1325 0.00E+00 1243.4
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032757 29159 1378.6 UdeM00000032757 XP_034309269.1 55.7
 1267 540 5 76 1323 68 1332 0.00E+00 1378.6
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032758 45264 174.9 UdeM00000032758 XP_044184031.1 48.2 191
 89 4 1 185 300 486 9.70E-41 174.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000032759 151771 483.4 UdeM00000032759 XP_028419301.1 54
448 203 3 42 488 34 479 3.40E-133 483.4 151771
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea
UdeM00000032760 29159 1323.1 UdeM00000032760 XP_034309269.1 53.7
1281 563 10 52 1310 60 1332 0.00E+00 1323.1
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000032761 1735272 59.3 UdeM00000032761 XP_041351363.1 52.2
46 20 1 19 64 124 167 2.50E-06 59.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000032762 6596 159.5 UdeM00000032762 XP_045170047.1 43.2 190
93 7 6 184 5 190 4.20E-36 159.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032763 218467 185.7 UdeM00000032763 XP_023222943.1 74.3
109 19 1 27 135 54 153 4.00E-44 185.7 218467
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
UdeM00000032764 37621 203.4 UdeM00000032764 XP_014679850.1 51.4 212
92 5 1 204 1 209 2.80E-49 203.4 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000032766 6596 547.7 UdeM00000032766 XP_045169388.1 69.2 403
117 5 51 448 71 471 1.30E-152 547.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032767 6596 2471.4 UdeM00000032767 XP_045170488.1 68
1828 498 17 3 1761 2 1811 0.00E+00 2471.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032768 6596 2478.4 UdeM00000032768 XP_045170488.1 68.2
1823 498 16 3 1756 2 1811 0.00E+00 2478.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032769 6573 245 UdeM00000032769 XP_021350454.1 48.9 227
114 1 2754 2980 2337 2561 1.20E-60 245 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000032769 6573 151.4 UdeM00000032769 XP_021350454.1 55.2 143
55 4 1 135 1 142 1.90E-32 151.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000032771 6596 505 UdeM00000032771 XP_045169905.1 70.9 326
92 2 1 326 1 323 7.30E-140 505 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032772 1415580 181.8 UdeM00000032772 XP_030050276.1 39.8
266 156 4 47 310 40 303 1.40E-42 181.8 1415580

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000032773 6500 211.1 UdeM00000032773 XP_005097180.1 41.1 270
150 2 750 1010 49 318 6.70E-51 211.1 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000032775 6579 60.1 UdeM00000032775 XP_033761365.1 45.7 81
33 2 40 110 34 113 2.20E-06 60.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032774 6579 76.3 UdeM00000032774 XP_033761366.1 46.3 108
44 3 40 137 34 137 1.30E-10 76.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032776 6596 987.3 UdeM00000032776 XP_045168747.1 54.2 965
340 10 8 927 29 936 1.40E-284 987.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032777 6596 286.2 UdeM00000032777 XP_045168495.1 37.8 400
219 9 76 464 24 404 7.60E-74 286.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032778 6596 136.7 UdeM00000032778 XP_045168882.1 27.2 279
 196 3 20 296 22 295 5.40E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032779 29159 803.5 UdeM00000032779 XP_011419261.2 64 583
 206 3 45 626 43 622 1.90E-229 803.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032780 6573 209.5 UdeM00000032780 XP_021376292.1 41 234
 136 2 2 235 4 235 1.30E-50 209.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032782 6573 67.4 UdeM00000032782 XP_021373758.1 67.4 43
 14 0 21 63 26 68 7.90E-09 67.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032781 6596 1225.7 UdeM00000032781 XP_045169032.1 82.8
 728 125 0 18 745 15 742 0.00E+00 1225.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032783 46514 89 UdeM00000032783 XP_038075667.1 46.6 88
 46 1 12 99 478 564 3.90E-15 89 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000032784 441366 141.7 UdeM00000032784 XP_028326620.1 40.4
 213 117 5 1 212 48 251 1.00E-30 141.7 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000032785 441366 186 UdeM00000032785 XP_028296753.1 39.1
 304 168 9 2 303 28 316 6.90E-44 186 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi

UdeM00000032786 1232801 58.2 UdeM00000032786 XP_043203715.1 33.3
 75 50 0 1 75 82 156 5.60E-06 58.2 1232801
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Sessilia;Balanid
 ae;Amphibalanus;Amphibalanus amphitrite
 UdeM00000032787 29159 453 UdeM00000032787 XP_011450089.1 59.9 409
 152 6 52 455 72 473 4.50E-124 453 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032788 1735272 212.6 UdeM00000032788 XP_041351386.1 52.4
 210 98 2 1 209 1 209 4.90E-52 212.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000032791 6573 139.8 UdeM00000032791 XP_021368572.1 36.9 195
 115 5 53 243 1205 1395 5.30E-30 139.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032792 6596 132.1 UdeM00000032792 XP_045170557.1 32.4 247
 146 7 12 247 72 308 1.00E-27 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032793 6565 113.2 UdeM00000032793 XP_022308598.1 33.6 220
 137 5 31 246 15 229 4.60E-22 113.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032794 6596 124.4 UdeM00000032794 XP_045177779.1 31.8 211
 136 4 1 211 617 819 3.50E-25 124.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032795 6596 189.9 UdeM00000032795 XP_045179269.1 46.2 210
 112 1 17 225 245 454 3.80E-45 189.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032796 6596 194.1 UdeM00000032796 XP_045191793.1 41.2 296
 155 6 299 582 251 539 4.90E-46 194.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032797 6596 222.6 UdeM00000032797 XP_045169693.1 40.9 301
 160 7 8 302 91 379 7.20E-55 222.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032798 6596 306.6 UdeM00000032798 XP_045183440.1 49.4 310
151 4 2 310 76 380 3.60E-80 306.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032799 6596 1137.5 UdeM00000032799 XP_045168136.1 61.2
943 334 8 264 1181 1 936 0.00E+00 1137.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032800 6596 521.5 UdeM00000032800 XP_045168136.1 65.5 400
129 4 45 439 541 936 1.00E-144 521.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032801 6565 268.5 UdeM00000032801 XP_022305608.1 64.2 204
68 2 4 207 5 203 7.40E-69 268.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032802 6579 751.9 UdeM00000032802 XP_033762371.1 70.1 552
143 6 1 541 1 541 5.60E-214 751.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032803 6579 223 UdeM00000032803 XP_033739304.1 35.4 333
207 3 5 329 7 339 7.00E-55 223 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032804 166361 130.6 UdeM00000032804 XP_022910605.1 37.1
178 112 0 6 183 4 181 2.40E-27 130.6 166361
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Scarabaeiformia;Scarabaeoidea;Scarabaeidae;Scarabaeinae;Scarabaeinae incertae sedis;Onthophagus;Onthophagus taurus

UdeM00000032805 166361 129.4 UdeM00000032805 XP_022910605.1 36.5
178 113 0 6 183 4 181 5.30E-27 129.4 166361
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Scarabaeiformia;Scarabaeoidea;Scarabaeidae;Scarabaeinae;Scarabaeinae incertae sedis;Onthophagus;Onthophagus taurus

UdeM00000032811 6596 731.5 UdeM00000032811 XP_045192074.1 52 752
 356 3 1 749 1678 2427 1.10E-207 731.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000032812 7574 100.1 UdeM00000032812 XP_013410728.1 45.8 120
 62 1 397 513 222 341 9.20E-18 100.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000032813 7574 100.1 UdeM00000032813 XP_013410728.1 45.8 120
 62 1 227 343 222 341 6.40E-18 100.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000022207 6596 1481.1 UdeM00000022207 XP_045216968.1 50.6
 1635 672 23 28 1615 162 1708 0.00E+00 1481.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022208 6596 128.6 UdeM00000022208 XP_045216968.1 42.6 136
 74 2 3 136 27 160 5.90E-27 128.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022209 1415580 139.4 UdeM00000022209 XP_030075314.1 73.6
 91 24 0 2 92 535 625 2.30E-30 139.4 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor

UdeM00000022210 7757 580.1 UdeM00000022210 XP_032835197.1 80.1 357
 70 1 77 433 3 358 2.80E-162 580.1 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
 s;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000022211 6596 815.8 UdeM00000022211 XP_045156195.1 75.8 598
 102 8 1 562 3 593 3.30E-233 815.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022212 6941 76.6 UdeM00000022212 XP_037292159.1 51.5 101
 37 4 1 97 1 93 1.90E-11 76.6 6941 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Boophilus;R
 hipicephalus microplus

UdeM00000022213 6941 75.1 UdeM00000022213 XP_037292158.1 49 98
 45 3 1 95 1 96 5.40E-11 75.1 6941 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Boophilus;R
 hipicephalus microplus
 UdeM00000022214 6596 231.9 UdeM00000022214 XP_045216699.1 65.1 172
 59 1 1 171 1 172 3.30E-57 231.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022215 6596 235.3 UdeM00000022215 XP_045216699.1 65.7 172
 58 1 1 171 1 172 2.40E-58 235.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022218 6579 686.4 UdeM00000022218 XP_033750212.1 44.6 778
 414 7 87 851 124 897 5.60E-194 686.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022216 6579 714.1 UdeM00000022216 XP_033750212.1 45.2 786
 414 7 87 860 124 904 2.10E-202 714.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022217 6579 758.8 UdeM00000022217 XP_033750212.1 45.8 824
 430 7 87 898 124 942 7.70E-216 758.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022219 6596 62 UdeM00000022219 XP_045215561.1 30 130
 81 5 5 125 589 717 2.00E-06 62 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022220 6596 250 UdeM00000022220 XP_045156874.1 70.4 159
 47 0 1 159 617 775 2.60E-63 250 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022221 6596 857.8 UdeM00000022221 XP_045156874.1 72 574
 147 2 16 588 215 775 8.50E-246 857.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022222 6596 387.9 UdeM00000022222 XP_045187150.1 51.3 394
 187 2 1 394 229 617 1.60E-104 387.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022223 6596 181.4 UdeM00000022223 XP_045156871.1 75.6 119
26 2 26 143 67 183 8.30E-43 181.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022224 6596 508.4 UdeM00000022224 XP_045216930.1 67.6 361
117 0 1 361 1 361 7.20E-141 508.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022225 6596 178.3 UdeM00000022225 XP_045216930.1 56.4 149
65 0 1 149 1 149 7.20E-42 178.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022226 6579 154.5 UdeM00000022226 XP_033740278.1 53.9 154
68 3 1 154 148 298 1.20E-34 154.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022227 6573 121.7 UdeM00000022227 XP_021349151.1 58.1 93
39 0 2 94 30 122 5.30E-25 121.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022228 6596 392.9 UdeM00000022228 XP_045215344.1 31.9 771
376 13 7 684 53 767 8.60E-106 392.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022229 29159 309.7 UdeM00000022229 XP_019930758.2 32.2 562
275 5 9 472 178 731 6.90E-81 309.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022230 6579 350.9 UdeM00000022230 XP_033750611.1 31.8 707
366 14 10 613 100 793 3.40E-93 350.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022231 6573 352.4 UdeM00000022231 XP_021345879.1 31.4 697
362 11 8 601 43 726 1.20E-93 352.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022232 6573 352.1 UdeM00000022232 XP_021345879.1 31.4 697
362 11 2 595 43 726 1.50E-93 352.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022233 6596 410.6 UdeM00000022233 XP_045215344.1 33.6 720
379 10 8 634 54 767 3.70E-111 410.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022234 6596 414.8 UdeM00000022234 XP_045215344.1 33.2 719
385 9 6 632 52 767 2.00E-112 414.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022235 6596 258.8 UdeM00000022235 XP_045215344.1 31 526
288 12 9 461 244 767 1.30E-65 258.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022236 6596 111.7 UdeM00000022236 XP_045180427.1 39 177
105 2 80 254 98 273 1.50E-21 111.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022238 6596 556.2 UdeM00000022238 XP_045216650.1 60.7 466
180 3 1 463 1 466 3.90E-155 556.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022239 6596 1065.8 UdeM00000022239 XP_045215994.1 60.8
909 331 8 3 896 6 904 2.90E-308 1065.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022241 441366 314.3 UdeM00000022241 XP_028296753.1 38.8
500 278 12 6 499 32 509 2.80E-82 314.3 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000022246 6596 680.6 UdeM00000022246 XP_045168041.1 34.2 1265
768 17 30 1241 74 1326 3.70E-192 680.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022249 29159 190.3 UdeM00000022249 XP_034309929.1 52.8 180
 84 1 1 179 1143 1322 2.20E-45 190.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022250 6596 688.7 UdeM00000022250 XP_045168041.1 34.3 1276
 751 19 30 1241 74 1326 1.30E-194 688.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022251 7038 73.2 UdeM00000022251 XP_018901806.1 71.4 56
 16 0 1 56 1 56 1.50E-10 73.2 7038 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 leyrodoidea;Aleyrodidae;Aleyrodinae;Bemisia;Bemisia tabaci
 UdeM00000022252 6565 112.8 UdeM00000022252 XP_022333591.1 72.3 119
 26 2 1 112 1 119 2.80E-22 112.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022258 6596 449.5 UdeM00000022258 XP_045215558.1 65.2 325
 113 0 1 325 1 325 4.80E-123 449.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022259 2607531 172.9 UdeM00000022259 XP_036357135.1 32.9
 337 215 7 31 359 38 371 7.30E-40 172.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000022260 6596 1296.2 UdeM00000022260 XP_045216497.1 73.8
 915 227 5 11 925 263 1164 0.00E+00 1296.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022261 6573 304.7 UdeM00000022261 XP_021346033.1 68.2 217
 68 1 117 333 193 408 1.60E-79 304.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022262 6573 884.4 UdeM00000022262 XP_021371682.1 65.9 657
 222 2 1 656 1 656 8.80E-254 884.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022263 6596 577.4 UdeM00000022263 XP_045156322.1 84.6 337
 52 0 3 339 2 338 1.30E-161 577.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022264 6596 258.5 UdeM00000022264 XP_045156322.1 90.6 138
 13 0 14 151 2 139 5.50E-66 258.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022265 6596 506.9 UdeM00000022265 XP_045156833.1 70.6 340
 100 0 9 348 62 401 2.00E-140 506.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022266 218467 195.3 UdeM00000022266 XP_023215387.1 57.4
 162 66 2 13 174 93 251 6.60E-47 195.3 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000022267 6596 721.5 UdeM00000022267 XP_045156840.1 66.8 560
 172 8 1 552 1 554 8.50E-205 721.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022269 6596 149.8 UdeM00000022269 XP_045216535.1 71.2 125
 27 6 1 120 1 121 2.20E-33 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022268 6579 392.9 UdeM00000022268 XP_033750077.1 40 945
 239 29 1 894 1 668 1.10E-105 392.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022270 6579 313.2 UdeM00000022270 XP_033747514.1 49.9 347
 158 5 21 365 32 364 4.60E-82 313.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022271 6596 496.1 UdeM00000022271 XP_045159951.1 64.9 370
 119 4 5 363 37 406 3.90E-137 496.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022272 6596 495.7 UdeM00000022272 XP_045159951.1 64.9 370
 119 4 12 370 37 406 5.20E-137 495.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022273 6596 530.4 UdeM00000022273 XP_045159951.1 59.7 452
161 5 7 438 33 483 2.20E-147 530.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022275 6596 523.9 UdeM00000022275 XP_045159951.1 59.5 447
141 6 12 418 37 483 1.90E-145 523.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022274 6596 523.9 UdeM00000022274 XP_045159951.1 59.5 447
141 6 14 420 37 483 2.00E-145 523.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022279 6565 92 UdeM00000022279 XP_022312977.1 66.2 71
23 1 34 103 99 169 4.60E-16 92 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022281 6596 537 UdeM00000022281 XP_045159951.1 60 447
159 4 12 438 37 483 2.30E-149 537 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022285 6596 500.4 UdeM00000022285 XP_045159951.1 65.1 370
118 4 5 363 37 406 2.10E-138 500.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022286 6596 500 UdeM00000022286 XP_045159951.1 65.1 370
118 4 12 370 37 406 2.80E-138 500 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022287 6596 538.5 UdeM00000022287 XP_045159951.1 60.2 447
158 4 12 438 37 483 8.00E-150 538.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022291 6596 456.4 UdeM00000022291 XP_045215473.1 58.9 397
142 3 1 378 40 434 3.40E-125 456.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022292 6565 322 UdeM00000022292 XP_022332730.1 41.1 411
221 3 12 411 10 410 1.10E-84 322 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022293 1735272 184.9 UdeM00000022293 XP_041353751.1 40.7
209 123 1 3 211 143 350 1.10E-43 184.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022294 6596 1115.5 UdeM00000022294 XP_045216235.1 53.8
929 407 10 13 923 72 996 0.00E+00 1115.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022295 6596 76.3 UdeM00000022295 XP_045168099.1 55.4 65
28 1 1 64 225 289 1.70E-11 76.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022296 6579 91.7 UdeM00000022296 XP_033747958.1 56.9 65
28 0 1 65 87 151 3.90E-16 91.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022298 6596 80.1 UdeM00000022298 XP_045215464.1 40.7 123
64 6 1 122 5 119 2.20E-12 80.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022299 6596 144.1 UdeM00000022299 XP_045216234.1 29.2 455
264 11 10 432 7 435 4.30E-31 144.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022300 6596 564.7 UdeM00000022300 XP_045216392.1 57 474
204 0 1 474 1 474 1.10E-157 564.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022301 6596 565.1 UdeM00000022301 XP_045216392.1 57 474
204 0 6 479 1 474 8.70E-158 565.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022302 400727 387.9 UdeM00000022302 XP_025076711.1 60.4
303 116 2 3 302 5 306 1.30E-104 387.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000022303 6573 303.5 UdeM00000022303 XP_021346000.1 50.7 341
155 7 46 378 22 357 3.80E-79 303.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022304 1735272 165.6 UdeM00000022304 XP_041350007.1 49.7
157 74 3 2 157 12 164 5.10E-38 165.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022307 6596 625.2 UdeM00000022307 XP_045216793.1 63.4 495
168 6 1 483 37 530 7.10E-176 625.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022308 29159 200.3 UdeM00000022308 XP_034316161.1 42.7 241
136 2 1 239 718 958 2.80E-48 200.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022309 6596 253.4 UdeM00000022309 XP_045156241.1 68.8 173
53 1 36 207 16 188 2.40E-64 253.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022310 6573 100.1 UdeM00000022310 XP_021365632.1 21.3 718
419 22 218 876 242 872 1.50E-17 100.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022312 6596 369.4 UdeM00000022312 XP_045216380.1 48.7 386
174 9 11 377 5 385 5.50E-99 369.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022313 6596 73.6 UdeM00000022313 XP_045199277.1 36.8 95
60 0 8 102 31 125 1.70E-10 73.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022314 6596 92 UdeM00000022314 XP_045199277.1 46.5 101
 54 0 2 102 25 125 4.80E-16 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022315 6596 98.2 UdeM00000022315 XP_045199277.1 47.5 101
 53 0 2 102 25 125 6.70E-18 98.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022316 6596 85.5 UdeM00000022316 XP_045199277.1 43.2 95
 54 0 8 102 31 125 4.30E-14 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022317 6596 94.4 UdeM00000022317 XP_045199277.1 45.5 101
 55 0 2 102 25 125 9.60E-17 94.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022318 6596 85.9 UdeM00000022318 XP_045199277.1 44.2 95
 53 0 8 102 31 125 3.30E-14 85.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022319 6596 97.8 UdeM00000022319 XP_045199277.1 47.5 101
 53 0 2 102 25 125 8.70E-18 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022320 6596 84 UdeM00000022320 XP_045199277.1 44 100
 55 1 4 102 26 125 1.30E-13 84 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022321 6596 97.1 UdeM00000022321 XP_045199277.1 47.5 101
 53 0 2 102 25 125 1.80E-17 97.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022322 6596 82 UdeM00000022322 XP_045199277.1 43.2 95
 54 0 8 102 31 125 4.80E-13 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022323 6596 96.3 UdeM00000022323 XP_045199277.1 46.5 101
 54 0 2 102 25 125 2.50E-17 96.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022324 6596 97.8 UdeM00000022324 XP_045199277.1 47.5 101
 53 0 2 102 25 125 8.70E-18 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022325 6596 92.8 UdeM00000022325 XP_045199277.1 46.5 101
 54 0 2 102 25 125 2.80E-16 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022326 6596 363.2 UdeM00000022326 XP_045215837.1 51.5 1020
 378 27 10 1001 6 936 1.20E-96 363.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022327 6596 572 UdeM00000022327 XP_045156597.1 76.9 373
 81 3 1 373 1 368 5.50E-160 572 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022328 6596 138.3 UdeM00000022328 XP_045215732.1 57.4 129
 54 1 2 130 3 130 1.00E-29 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022329 6687 77.4 UdeM00000022329 XP_037797021.1 41.7 115
 60 5 16 125 41 153 1.50E-11 77.4 6687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus monodon
 UdeM00000022330 6596 218 UdeM00000022330 XP_045216874.1 54.9 195
 84 2 5 195 8 202 1.10E-53 218 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022331 29159 807 UdeM00000022331 XP_011439447.2 61.9 713
 253 7 6 712 6 705 1.90E-230 807 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022332 29159 371.3 UdeM00000022332 XP_011439446.1 81.9 210
 37 1 1 209 1 210 9.00E-100 371.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022333 6573 317.8 UdeM00000022333 XP_021358934.1 72.1 219
 59 1 1 217 1 219 1.10E-83 317.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022334 1735272 892.1 UdeM00000022334 XP_041370685.1 76.5
 561 126 1 3 557 16 576 3.60E-256 892.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022335 6573 287.3 UdeM00000022335 XP_021359350.1 49.1 271
 138 0 6 276 4 274 2.00E-74 287.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022336 29159 98.2 UdeM00000022336 XP_011436378.2 35.6 149
 86 4 228 376 62 200 2.40E-17 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022337 6596 295.4 UdeM00000022337 XP_045216693.1 75.9 166
 40 0 25 190 27 192 5.10E-77 295.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022338 6596 610.5 UdeM00000022338 XP_045216349.1 64 461
 102 2 1 461 1 397 1.80E-171 610.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022339 225164 156 UdeM00000022339 XP_009046251.1 28.7
 390 262 5 20 406 4 380 1.00E-34 156 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000022340 6579 280.4 UdeM00000022340 XP_033750728.1 35.5 485
 294 9 33 505 31 508 4.50E-72 280.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022341 1735272 511.9 UdeM00000022341 XP_041373621.1 56.2
 454 190 4 3 451 7 456 9.10E-142 511.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000022342 6596 63.5 UdeM00000022342 XP_045183448.1 31.5 130
82 3 30 158 42 165 4.90E-07 63.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000022343 6412 182.6 UdeM00000022343 XP_009008669.1 37.2 277
148 6 43 316 133 386 8.00E-43 182.6 6412 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Annelida; Clitellata; Hirudinea; Rhynchobdellida; Glossiphoniidae; Helobdella; Helobdella robusta

UdeM00000022344 6500 141.7 UdeM00000022344 XP_012946305.1 29.9 381
222 12 27 371 30 401 2.00E-30 141.7 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000022346 6579 107.8 UdeM00000022346 XP_033753652.1 37.2 172
104 4 4 171 183 354 1.50E-20 107.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000022347 6500 85.5 UdeM00000022347 XP_012946305.1 35.8 176
97 5 23 190 203 370 8.10E-14 85.5 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000022348 6579 161 UdeM00000022348 XP_033753657.1 30.7 361
236 8 5 362 4 353 2.90E-36 161 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000022349 6500 160.2 UdeM00000022349 XP_012946305.1 32.8 375
209 12 24 363 30 396 5.00E-36 160.2 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tectipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000022350 1735272 378.3 UdeM00000022350 XP_041373365.1 71.3
408 82 4 1 406 1 375 1.30E-101 378.3 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000022351 6596 401.7 UdeM00000022351 XP_045216334.1 35.4 721
430 14 124 830 95 793 2.20E-108 401.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000022352 6596 396.7 UdeM00000022352 XP_045216334.1 35.2 725
430 15 124 834 95 793 7.10E-107 396.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022353 29159 319.3 UdeM00000022353 XP_034324553.1 33.5 526
 320 8 357 856 433 954 1.50E-83 319.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022354 6565 282.3 UdeM00000022354 XP_022335012.1 84 162
 26 0 1 162 1 162 3.80E-73 282.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022355 6565 106.7 UdeM00000022355 XP_022331954.1 41.4 186
 69 5 240 408 186 348 7.20E-20 106.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022356 6579 82 UdeM00000022356 XP_033739653.1 28.8 264
 164 11 19 266 28 283 1.20E-12 82 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022358 6596 105.9 UdeM00000022358 XP_045198207.1 25 260
 175 9 46 290 2 256 1.10E-19 105.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022359 29159 80.9 UdeM00000022359 XP_011416417.2 25.6 277
 181 14 5 267 12 277 2.80E-12 80.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022361 29159 100.5 UdeM00000022361 XP_011416417.2 27.4 259
 167 10 35 279 38 289 8.80E-18 100.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022362 29159 100.5 UdeM00000022362 XP_011416417.2 27.4 259
 167 10 35 279 38 289 8.90E-18 100.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022364 6596 444.5 UdeM00000022364 XP_045216352.1 67.8 348
 109 2 44 388 23 370 1.40E-121 444.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022365 6565 157.1 UdeM00000022365 XP_022331337.1 51.3 152
 71 1 8 156 3 154 1.80E-35 157.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022366 6565 141.7 UdeM00000022366 XP_022331337.1 42.6 183
 71 2 8 187 3 154 9.20E-31 141.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022369 6596 84.3 UdeM00000022369 XP_045215193.1 43 86
 49 0 1 86 1 86 1.20E-13 84.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022370 29159 104 UdeM00000022370 XP_034321636.1 35.6 160
 100 1 7 163 9 168 2.30E-19 104 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022371 1735272 73.2 UdeM00000022371 XP_041348860.1 21.5
 284 190 9 114 369 148 426 1.20E-09 73.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022372 6596 371.3 UdeM00000022372 XP_045198124.1 31.2 653
 444 1 13 660 651 1303 2.70E-99 371.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022374 2652724 115.9 UdeM00000022374 XP_020900815.1 65.1
 83 29 0 1 83 698 780 2.50E-23 115.9 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000022375 13686 291.2 UdeM00000022375 XP_011170408.3 38.8 387
 231 2 1 383 372 756 2.00E-75 291.2 13686 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsi
 s invicta
 UdeM00000022376 6579 873.2 UdeM00000022376 XP_033760558.1 25 2472
 1689 33 10 2400 441 2827 8.40E-250 873.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022378 2652724 115.9 UdeM00000022378 XP_020900815.1 65.1
 83 29 0 1 83 698 780 2.50E-23 115.9 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000022379 13686 391.3 UdeM00000022379 XP_011170408.3 41 507
 290 4 1 500 372 876 1.90E-105 391.3 13686 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsis invicta

UdeM00000022380 6565 536.6 UdeM00000022380 XP_022331275.1 56.5 453
193 2 1 453 1 449 3.10E-149 536.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022381 6596 439.9 UdeM00000022381 XP_045156255.1 48.7 499
227 8 1 478 1 491 4.20E-120 439.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022382 6579 505 UdeM00000022382 XP_033749572.1 72.6 307
81 1 18 324 6 309 7.20E-140 505 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022384 7741 131.3 UdeM00000022384 XP_019618826.1 23.4 526
256 10 46 436 3 516 3.10E-27 131.3 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;
Branchiostoma belcheri

UdeM00000022386 45264 283.9 UdeM00000022386 XP_044166166.1 33.5 511
225 11 10 420 321 816 7.40E-73 283.9 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000022387 6596 218.8 UdeM00000022387 XP_045187224.1 39.5 296
179 0 9 304 9 304 1.10E-53 218.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022388 6596 209.9 UdeM00000022388 XP_045187224.1 39.9 308
181 1 4 307 8 315 5.10E-51 209.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022389 6596 388.3 UdeM00000022389 XP_045216631.1 53.1 397
175 5 1 392 1 391 1.20E-104 388.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022390 6596 379 UdeM00000022390 XP_045187224.1 50.5 400
177 5 1 387 1 392 7.20E-102 379 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022391 6596 213.8 UdeM00000022391 XP_045185723.1 46.3 231
 122 2 7 237 455 683 4.20E-52 213.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022395 1735272 388.7 UdeM00000022395 XP_041372487.1 36
 705 392 21 4 692 11 672 1.60E-104 388.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022396 6596 686 UdeM00000022396 XP_045156656.1 57.1 620
 227 12 622 1213 421 1029 9.90E-194 686 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022397 1735272 90.1 UdeM00000022397 XP_041360471.1 23.8
 341 215 4 1 300 1 337 5.70E-15 90.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022399 6596 183.3 UdeM00000022399 XP_045215707.1 33.3 294
 127 5 5 230 17 309 5.30E-43 183.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022400 6596 315.1 UdeM00000022400 XP_045215703.1 40.8 373
 165 7 1 328 479 840 1.10E-82 315.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022402 1735272 384.8 UdeM00000022402 XP_041376293.1 56.5
 354 141 3 1 354 106 446 1.20E-103 384.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022403 202533 275.8 UdeM00000022403 XP_035218899.1 33.1
 489 287 9 2 473 3 468 1.00E-70 275.8 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000022404 6596 378.6 UdeM00000022404 XP_045216313.1 60.6 302
 117 2 1 302 1 300 7.30E-102 378.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022405 6596 170.6 UdeM00000022405 XP_045216381.1 69.5 105
 32 0 84 188 78 182 1.90E-39 170.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
 a mercenaria

UdeM00000022406 7654 204.5 UdeM00000022406 XP_041464686.1 62.7 142
 52 1 8 149 22 162 9.80E-50 204.5 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus

UdeM00000022408 70779 168.3 UdeM00000022408 XP_015765219.1 56.8 148
 50 2 1 135 1 147 7.20E-39 168.3 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa-
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera

UdeM00000022409 7739 61.6 UdeM00000022409 XP_035659738.1 34.5 113
 68 3 10 122 7 113 9.50E-07 61.6 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br-
 anchiostoma;Branchiostoma floridae

UdeM00000022410 8384 61.6 UdeM00000022410 XP_040285011.1 71.4 42
 12 0 35 76 429 470 5.20E-07 61.6 8384 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc-
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr-
 achia;Hyloidea;Bufonidae;Bufo;Bufo bufo

UdeM00000022411 8384 60.8 UdeM00000022411 XP_040285011.1 74.4 39
 10 0 36 74 432 470 8.60E-07 60.8 8384 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc-
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Neobatr-
 achia;Hyloidea;Bufonidae;Bufo;Bufo bufo

UdeM00000022412 151771 138.7 UdeM00000022412 XP_028415423.1 32
 319 204 7 4 321 7 313 1.50E-29 138.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo-
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000022413 7574 68.2 UdeM00000022413 XP_013412800.1 32.8 134
 82 5 12 142 844 972 1.00E-08 68.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin-
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000022414 400727 202.2 UdeM00000022414 XP_025076613.1 64
 150 51 2 3 150 28 176 4.90E-49 202.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl-
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000022415 7574 60.5 UdeM00000022415 XP_013399071.1 38.3 107
 61 3 2 107 30 132 2.10E-06 60.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000022416 6596 279.3 UdeM00000022416 XP_045156738.1 57.6 236
74 3 39 274 258 467 5.40E-72 279.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000022417 6573 210.3 UdeM00000022417 XP_021357387.1 72.7 128
35 0 13 140 114 241 1.60E-51 210.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000022418 6596 161.4 UdeM00000022418 XP_045156738.1 69.3 101
31 0 32 132 43 143 8.00E-37 161.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000022419 6573 726.1 UdeM00000022419 XP_021345725.1 36.4 1184
649 20 3 1155 2 1112 7.10E-206 726.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000022420 6596 420.2 UdeM00000022420 XP_045162551.1 61 336
114 4 1 321 1 334 2.30E-114 420.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000022421 6596 421 UdeM00000022421 XP_045162551.1 61.3 336
113 4 1 321 1 334 1.40E-114 421 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000022422 7574 612.1 UdeM00000022422 XP_013389960.1 64.3 456
161 2 1 455 3 457 5.90E-172 612.1 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000022423 63155 109 UdeM00000022423 XP_030579233.1 55.8 95
42 0 1 95 16 110 5.00E-21 109 63155 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthopterygii; Euacanthopterygii; Percomorphaceae; Ovalentaria; Cichlomorphae; Cichliformes; Cichlidae; New World cichlids; Cichlasomatinae; Heroini; Archocentrus; Archocentrus centrarchus

UdeM00000022424 6565 233 UdeM00000022424 XP_022295401.1 32.6 488
285 13 641 1122 354 803 2.80E-57 233 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000022424 6565 58.2 UdeM00000022424 XP_022295401.1 32.9 79
49 1 1647 1725 1010 1084 1.20E-04 58.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000022425 6596 279.3 UdeM00000022425 XP_045216681.1 43.5 329
172 4 14 336 32 352 6.70E-72 279.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000022426 6573 566.2 UdeM00000022426 XP_021368696.1 48.9 665
295 10 1 627 1 658 5.10E-158 566.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000022428 7574 206.5 UdeM00000022428 XP_013385112.1 68.3 145
44 1 7 149 6 150 2.40E-50 206.5 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
guloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000022427 6596 527.7 UdeM00000022427 XP_045216275.1 68.8 346
107 1 5 349 12 357 1.10E-146 527.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000022429 6500 161.8 UdeM00000022429 XP_005089729.1 68.5 130
33 3 32 153 32 161 7.60E-37 161.8 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tec
tipleura; Aplysiida; Aplysiidae; Aplysia; Aplysia californica
UdeM00000022430 6596 1123.6 UdeM00000022430 XP_045156250.1 79.4
723 143 4 1 718 1 722 0.00E+00 1123.6 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000022431 6596 498.8 UdeM00000022431 XP_045215533.1 47.7 501
247 3 10 510 6 491 8.20E-138 498.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000022432 6573 94.7 UdeM00000022432 XP_021357618.1 33.1 175
117 0 23 197 24 198 1.40E-16 94.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000022433 6596 300.4 UdeM00000022433 XP_045156655.1 70.4 213
58 4 8 218 23 232 1.80E-78 300.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022435 6596 313.2 UdeM00000022435 XP_045214789.1 35.4 494
305 8 55 540 54 541 6.80E-82 313.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022436 6573 413.3 UdeM00000022436 XP_021346042.1 35.7 691
403 17 7 662 7 691 5.90E-112 413.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022437 6573 414.5 UdeM00000022437 XP_021346042.1 36.8 649
376 16 31 651 49 691 2.60E-112 414.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022438 6573 407.5 UdeM00000022438 XP_021346042.1 36.9 648
377 16 41 661 49 691 3.20E-110 407.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022439 6596 282 UdeM00000022439 XP_045216195.1 79.4 160
33 0 58 217 16 175 6.60E-73 282 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022440 6596 304.3 UdeM00000022440 XP_045216195.1 78.3 175
38 0 1 175 1 175 1.00E-79 304.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022441 6596 342.4 UdeM00000022441 XP_045156284.1 64.4 275
93 2 11 280 22 296 5.40E-91 342.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022442 6596 718.4 UdeM00000022442 XP_045156420.1 50.6 759
331 8 38 760 40 790 9.90E-204 718.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022443 6596 717.2 UdeM00000022443 XP_045156420.1 50.5 760
331 8 38 761 40 790 2.20E-203 717.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022444 6573 230.3 UdeM00000022444 XP_021368646.1 56.2 1471
482 40 1 1366 2 1415 1.40E-56 230.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022445 6596 445.7 UdeM00000022445 XP_045215780.1 66.9 305
101 0 151 455 1 305 7.30E-122 445.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022446 1415580 270.4 UdeM00000022446 XP_030075314.1 50.2
297 129 5 1 294 345 625 2.70E-69 270.4 1415580

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000022447 7757 282 UdeM00000022447 XP_032835197.1 80.8 167
32 0 77 243 3 169 7.40E-73 282 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000022449 6596 434.9 UdeM00000022449 XP_045216544.1 39.5 815
406 18 67 836 10 782 2.70E-118 434.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022450 29159 149.1 UdeM00000022450 XP_011413383.3 34.5 200
129 2 1 199 1 199 6.30E-33 149.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022452 6573 67.8 UdeM00000022452 XP_021367843.1 56.4 55
24 0 42 96 461 515 9.50E-09 67.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022453 181472 114 UdeM00000022453 XP_029975096.1 43.9
132 53 1 1 132 274 384 1.50E-22 114 181472

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Blennioidei;Blenniidae;Salariinae;Salaris;Salaris fasciatus

UdeM00000022455 6596 243.8 UdeM00000022455 XP_045216848.1 53.5 217
99 1 34 250 46 260 2.80E-61 243.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022456 29159 316.6 UdeM00000022456 XP_034317111.1 55.8 283
 124 1 2 283 171 453 3.20E-83 316.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022458 6596 219.5 UdeM00000022458 XP_045216202.1 49.3 213
 106 2 40 251 40 251 6.90E-54 219.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022459 6596 219.9 UdeM00000022459 XP_045216200.1 49.1 218
 109 2 40 256 40 256 5.00E-54 219.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022460 6579 604 UdeM00000022460 XP_033750754.1 83.7 349
 56 1 1 349 1 348 1.20E-169 604 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022461 6596 114.8 UdeM00000022461 XP_045189901.1 46 150
 52 1 1 150 1 121 9.70E-23 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022462 6596 72.8 UdeM00000022462 XP_045199277.1 36.6 101
 64 0 2 102 25 125 3.00E-10 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022463 46514 82.4 UdeM00000022463 XP_038069953.1 39.1 115
 69 1 7 120 1182 1296 4.30E-13 82.4 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000022464 6596 468.8 UdeM00000022464 XP_045215543.1 60.7 379
 146 3 13 389 10 387 7.00E-129 468.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022465 29159 59.3 UdeM00000022465 XP_011456954.1 51.7 58
 24 1 13 66 16 73 2.80E-06 59.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022466 6573 332.4 UdeM00000022466 XP_021359341.1 76.2 227
 53 1 31 256 139 365 5.00E-88 332.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000022467 6500 88.6 UdeM00000022467 XP_005099452.1 55.8 95
39 2 1 94 1 93 5.40E-15 88.6 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000022468 8078 201.1 UdeM00000022468 XP_035989474.1 39 308
173 5 1 301 167 466 2.20E-48 201.1 8078 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Cyprinodontoides;Fundulidae;Fundulus;Fundulus heteroclitus
UdeM00000022469 400682 133.3 UdeM00000022469 XP_003390251.1 33.2
199 123 3 3 201 26 214 3.50E-28 133.3 400682
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscleromorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
UdeM00000022470 6596 436.8 UdeM00000022470 XP_045216499.1 75.9 278
66 1 1 277 22 299 2.10E-119 436.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000022471 6596 1717.6 UdeM00000022471 XP_045216517.1 56.8
1745 623 22 2 1657 300 2003 0.00E+00 1717.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000022472 6596 1716.8 UdeM00000022472 XP_045216517.1 56.8
1745 623 22 2 1657 300 2003 0.00E+00 1716.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000022473 7574 199.1 UdeM00000022473 XP_013405546.1 40.2 249
136 6 23 265 15 256 8.30E-48 199.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000022475 7574 128.3 UdeM00000022475 XP_013405546.1 48.3 120
60 1 1 120 139 256 1.10E-26 128.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000022476 7574 82.4 UdeM00000022476 XP_013396877.1 33.1 133
80 3 34 162 31 158 5.80E-13 82.4 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000022477 7574 73.9 UdeM00000022477 XP_013405546.1 51.5 68
29 1 2 69 210 273 1.20E-10 73.9 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000022478 7574 196.4 UdeM00000022478 XP_013405546.1 40.2 249
136 6 23 265 15 256 5.70E-47 196.4 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000022479 7574 204.5 UdeM00000022479 XP_013396877.1 40.2 251
139 4 10 256 13 256 1.60E-49 204.5 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000022480 6579 97.8 UdeM00000022480 XP_033739131.1 39.8 113
68 0 1 113 1028 1140 1.10E-17 97.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000022481 7539 113.6 UdeM00000022481 XP_023014929.1 54.7 95
42 1 1 94 1 95 1.40E-22 113.6 7539 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Chrysomelinae;Doryphorini;Leptinota
rsa;Leptinotarsa decemlineata
UdeM00000022482 6596 259.2 UdeM00000022482 XP_045156566.1 40.6 374
106 5 7 266 31 402 5.60E-66 259.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022483 6579 197.2 UdeM00000022483 XP_033736448.1 38.6 272
156 5 5 267 10 279 4.80E-47 197.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000022484 29159 403.3 UdeM00000022484 XP_034311318.1 51.7 389
175 9 157 536 1 385 4.90E-109 403.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000022485 6596 365.5 UdeM00000022485 XP_045156645.1 52.5 339
155 3 19 356 26 359 8.80E-98 365.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022487 6565 63.2 UdeM00000022487 XP_022297447.1 29.4 170
54 4 24 127 197 366 2.90E-07 63.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000022488 6596 104.4 UdeM00000022488 XP_045180326.1 49.1 112
54 1 34 145 62 170 1.50E-19 104.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022489 6596 472.2 UdeM00000022489 XP_045216824.1 60.6 376
145 3 1 376 1 373 6.20E-130 472.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022490 6565 317 UdeM00000022490 XP_022328252.1 42.8 418
173 7 5 357 899 1315 3.10E-83 317 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000022491 6565 95.5 UdeM00000022491 XP_022314409.1 40.1 152
78 4 8 146 1164 1315 5.90E-17 95.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000022492 6565 78.2 UdeM00000022492 XP_022314409.1 37.8 135
71 4 3 124 1181 1315 8.30E-12 78.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000022496 6596 206.1 UdeM00000022496 XP_045213577.1 30.6 402
260 9 93 487 48 437 1.10E-49 206.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022501 6573 188.7 UdeM00000022501 XP_021360621.1 36.6 505
250 13 18 491 983 1448 1.70E-44 188.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000022502 6596 68.6 UdeM00000022502 XP_045215891.1 75.7 70
17 0 89 158 873 942 9.10E-09 68.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022503 6573 81.3 UdeM00000022503 XP_021360622.1 31.5 257
176 0 3 259 515 771 2.30E-12 81.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000022504 6596 358.6 UdeM00000022504 XP_045215891.1 52.5 398
168 5 111 496 13 401 1.30E-95 358.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022509 6573 1422.9 UdeM00000022509 XP_021343658.1 50.3
1460 697 16 1 1449 350 1791 0.00E+00 1422.9 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022510 6573 314.7 UdeM00000022510 XP_021343658.1 50.3 314
152 3 14 325 1293 1604 1.40E-82 314.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022511 6573 136.7 UdeM00000022511 XP_021343658.1 40 175
99 3 5 175 131 303 2.80E-29 136.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022512 6573 76.6 UdeM00000022512 XP_021343658.1 45.3 86
40 2 46 131 21 99 4.10E-11 76.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022514 6596 526.6 UdeM00000022514 XP_045215937.1 67.5 443
121 9 18 455 8 432 3.30E-146 526.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022515 6573 450.7 UdeM00000022515 XP_021362185.1 93 244
17 0 3 246 940 1183 1.20E-123 450.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022516 6579 251.1 UdeM00000022516 XP_033749357.1 83.5 158
23 2 43 199 773 928 1.20E-63 251.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022517 6596 131.3 UdeM00000022517 XP_045216417.1 60.4 134
43 5 1 129 647 775 9.20E-28 131.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022518 6596 426.4 UdeM00000022518 XP_045216417.1 44.7 665
325 23 1 652 1 635 6.60E-116 426.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022519 6565 1481.5 UdeM00000022519 XP_022335104.1 85.7
 842 120 0 1 842 1 842 0.00E+00 1481.5 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022520 6565 1463.4 UdeM00000022520 XP_022335104.1 85.8
 830 118 0 1 830 13 842 0.00E+00 1463.4 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022521 6596 503.8 UdeM00000022521 XP_045156451.1 68.5 327
 102 1 19 344 22 348 3.90E-139 503.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022522 29159 357.5 UdeM00000022522 XP_034326716.1 51.6 337
 155 5 30 364 36 366 2.10E-95 357.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022523 6565 401 UdeM00000022523 XP_022333108.1 31.1 748
 473 14 97 830 93 812 3.90E-108 401 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022524 6565 409.5 UdeM00000022524 XP_022333108.1 31.7 734
 473 13 97 816 93 812 1.10E-110 409.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022525 1735272 374.4 UdeM00000022525 XP_041362669.1 45
 458 224 6 9 459 11 447 2.20E-100 374.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022526 6500 1194.9 UdeM00000022526 XP_012944402.1 66.8
 953 279 7 82 1006 132 1075 0.00E+00 1194.9 6500
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000022527 1735272 584.3 UdeM00000022527 XP_041365186.1 70.2
 419 118 4 11 426 8 422 1.20E-163 584.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022528 1735272 231.5 UdeM00000022528 XP_041360807.1 48
 254 125 3 1 248 5 257 1.20E-57 231.5 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022529 6579 268.9 UdeM00000022529 XP_033750566.1 88.3 154
18 0 2 155 182 335 4.20E-69 268.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022530 6565 113.6 UdeM00000022530 XP_022297037.1 39.3 178
100 4 6 178 11 185 2.80E-22 113.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022531 6573 209.5 UdeM00000022531 XP_021354485.1 76.1 134
32 0 17 150 19 152 3.00E-51 209.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022532 29159 549.7 UdeM00000022532 XP_011419913.1 78.7 333
71 0 5 337 3 335 2.70E-153 549.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022533 6573 424.9 UdeM00000022533 XP_021377143.1 51.9 422
199 3 355 774 1415 1834 2.30E-115 424.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022534 6573 998.4 UdeM00000022534 XP_021377143.1 55 1712
675 12 119 1743 134 1836 1.10E-287 998.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022536 1735272 387.9 UdeM00000022536 XP_041373276.1 48.4
353 182 0 72 424 57 409 1.70E-104 387.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022537 6596 147.9 UdeM00000022537 XP_045216553.1 32.9 538
236 20 1578 2095 2027 2459 1.40E-31 147.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022537 6596 53.5 UdeM00000022537 XP_045216553.1 25.6 371
186 9 1169 1508 1293 1604 3.70E-03 53.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022538 6596 1048.5 UdeM00000022538 XP_045216553.1 58
926 345 12 27 912 2751 3672 5.00E-303 1048.5 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022539 1735272 247.7 UdeM00000022539 XP_041365717.1 35.6
435 244 12 6 428 10 420 4.60E-62 247.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022540 1735272 247.7 UdeM00000022540 XP_041365717.1 35.6
435 244 12 6 428 10 420 4.70E-62 247.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022541 6596 82 UdeM00000022541 XP_045173855.1 40.2 107
62 1 2 106 640 746 6.80E-13 82 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022542 29159 204.5 UdeM00000022542 XP_011412797.2 46.4 209
111 1 50 257 126 334 1.60E-49 204.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000022543 6565 189.1 UdeM00000022543 XP_022301022.1 36.4 294
145 8 6 257 93 386 7.50E-45 189.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022544 6596 366.3 UdeM00000022544 XP_045166426.1 31.9 705
434 12 11 680 78 771 8.40E-98 366.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022545 6596 396 UdeM00000022545 XP_045166426.1 32.7 686
421 10 34 687 79 755 1.00E-106 396 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022546 6596 317 UdeM00000022546 XP_045166426.1 29.2 703
388 12 11 612 78 771 5.20E-83 317 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022547 6565 319.3 UdeM00000022547 XP_022301022.1 34.7 528
326 12 3 516 67 589 9.10E-84 319.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000022548 29159 386.7 UdeM00000022548 XP_011412797.2 33.9 646
411 9 8 640 32 674 6.00E-104 386.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000022549 6596 391 UdeM00000022549 XP_045215665.1 82.6 236
41 0 1 236 185 420 1.20E-105 391 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022550 6573 143.7 UdeM00000022550 XP_021359332.1 72.4 98
25 1 62 159 1 96 2.10E-31 143.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000022552 29159 143.7 UdeM00000022552 XP_034307860.1 35.1 268
69 2 1 163 1 268 2.60E-31 143.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000022551 29159 102.8 UdeM00000022551 XP_034307860.1 51 98
48 0 1 98 1 98 3.00E-19 102.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000022553 6596 408.3 UdeM00000022553 XP_045166426.1 32.7 695
427 11 34 695 79 765 2.00E-110 408.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022554 29159 398.7 UdeM00000022554 XP_019919373.2 34.1 659
416 12 13 660 77 728 1.50E-107 398.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000022555 6596 701.8 UdeM00000022555 XP_045215665.1 83.7 418
68 0 17 434 3 420 5.70E-199 701.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022556 6596 423.7 UdeM00000022556 XP_045166426.1 34.1 695
417 11 34 695 79 765 4.60E-115 423.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022557 6596 271.9 UdeM00000022557 XP_045184037.1 35.2 403
249 6 52 445 9 408 1.40E-69 271.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022558 6596 325.5 UdeM00000022558 XP_045188650.1 37.5 445
274 3 1 442 39 482 1.10E-85 325.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022559 6573 499.6 UdeM00000022559 XP_021345870.1 47.9 635
284 12 50 654 53 670 6.10E-138 499.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022560 6573 582.4 UdeM00000022560 XP_021355763.1 41.2 678
380 7 1 664 198 870 7.30E-163 582.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022562 6500 161.8 UdeM00000022562 XP_012946358.1 70.6 109
32 0 26 134 1 109 6.20E-37 161.8 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000022563 6596 602.1 UdeM00000022563 XP_045215896.1 71.3 404
108 3 17 414 17 418 5.50E-169 602.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022564 6105 241.1 UdeM00000022564 XP_031570721.1 33.3 489
270 13 69 542 243 690 3.30E-60 241.1 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000022565 6105 241.1 UdeM00000022565 XP_031570721.1 33.3 489
270 13 91 564 243 690 3.40E-60 241.1 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000022566 6596 1215.7 UdeM00000022566 XP_045216832.1 63.3
934 337 5 9 939 94 1024 0.00E+00 1215.7 6596

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022567 6596 136.3 UdeM00000022567 XP_045216832.1 80.2 86
17 0 1 86 9 94 2.00E-29 136.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022568 6596 80.1 UdeM00000022568 XP_045216832.1 84.4 45
7 0 1 45 9 53 8.80E-13 80.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022569 1735272 94.4 UdeM00000022569 XP_041365673.1 62.2
74 26 1 9 82 12 83 9.30E-17 94.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022570 6596 642.5 UdeM00000022570 XP_045216830.1 73.6 416
107 2 29 443 89 502 1.50E-180 642.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022571 6596 2383.6 UdeM00000022571 XP_045215363.1 42.9
3428 1566 64 7 3213 10 3268 0.00E+00 2383.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022572 6596 2313.1 UdeM00000022572 XP_045215363.1 64.6
1711 592 10 5 1709 3292 4995 0.00E+00 2313.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022573 6565 147.5 UdeM00000022573 XP_022333522.1 72.6 106
28 1 1 105 1 106 1.00E-32 147.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022574 6596 83.6 UdeM00000022574 XP_045215323.1 27.9 373
183 12 1 354 1 306 6.00E-13 83.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022575 6573 916.8 UdeM00000022575 XP_021379580.1 53.6 912
342 10 81 966 545 1401 2.70E-263 916.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022577 6596 102.4 UdeM00000022577 XP_045159443.1 48 127
59 3 90 209 337 463 7.90E-19 102.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022579 6579 282 UdeM00000022579 XP_033731751.1 42.9 375
155 7 1 325 872 1237 1.10E-72 282 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022581 6565 81.3 UdeM00000022581 XP_022297447.1 60.9 64
24 1 109 171 146 209 1.80E-12 81.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000022582 6596 95.5 UdeM00000022582 XP_045215193.1 49.4 83
42 0 1 83 1 83 3.50E-17 95.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022583 6596 352.1 UdeM00000022583 XP_045215193.1 57.4 305
120 2 1 302 74 371 7.30E-94 352.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022584 6596 397.5 UdeM00000022584 XP_045215193.1 53.2 378
170 3 1 378 1 371 1.90E-107 397.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022585 6596 367.9 UdeM00000022585 XP_045215193.1 55.2 339
145 3 2 340 40 371 1.40E-98 367.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022586 6579 223.8 UdeM00000022586 XP_033749959.1 73.6 140
37 0 5 144 6 145 1.40E-55 223.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022587 6579 576.6 UdeM00000022587 XP_033750191.1 50.5 576
276 6 1 573 1 570 4.80E-161 576.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000022588 6596 151.8 UdeM00000022588 XP_045184330.1 56.8 118
51 0 1 118 1 118 8.50E-34 151.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022589 6596 151.8 UdeM00000022589 XP_045184330.1 56.8 118
51 0 1 118 1 118 7.90E-34 151.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022590 6579 819.3 UdeM00000022590 XP_033749738.1 75.8 520
 125 1 1 520 1 519 2.80E-234 819.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022591 40690 125.6 UdeM00000022591 XP_034006674.1 35.2 196
 122 3 8 200 11 204 7.40E-26 125.6 40690 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Nototheniidae;Trematomus;Trematomus bernacchii
 UdeM00000022592 6565 293.1 UdeM00000022592 XP_022339231.1 86.7 166
 20 1 1 166 1 164 2.30E-76 293.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022593 29159 542 UdeM00000022593 XP_034334854.1 28 1615
 912 50 86 1653 141 1552 2.70E-150 542 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022594 1735272 303.5 UdeM00000022594 XP_041362731.1 60
 245 95 2 33 277 1 242 2.80E-79 303.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022595 1735272 223 UdeM00000022595 XP_041362731.1 60.6
 180 69 1 1 180 65 242 3.20E-55 223 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022597 6596 91.7 UdeM00000022597 XP_045216307.1 44.7 103
 54 1 213 312 293 395 1.80E-15 91.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022598 6579 1456.4 UdeM00000022598 XP_033750471.1 65.3
 1062 363 4 7 1063 336 1396 0.00E+00 1456.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022599 1735272 452.2 UdeM00000022599 XP_041373227.1 70.5
 315 92 1 51 365 18 331 6.30E-124 452.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022600 1735272 439.1 UdeM00000022600 XP_041362904.1 57.2
 362 154 1 1 361 1 362 5.50E-120 439.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022603 6579 136 UdeM00000022603 XP_033750411.1 27.3 429
 275 6 80 483 32 448 1.30E-28 136 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022604 6596 697.2 UdeM00000022604 XP_045156318.1 82.9 403
 67 2 1 402 4 405 1.20E-197 697.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022605 6579 113.2 UdeM00000022605 XP_033751014.1 38.8 214
 108 6 71 284 1 191 6.90E-22 113.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022606 6596 70.9 UdeM00000022606 XP_045216208.1 23.2 280
 164 5 41 269 32 311 2.90E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022607 6596 89.7 UdeM00000022607 XP_045189922.1 24.5 318
 206 10 9 303 22 328 8.80E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022609 6596 110.5 UdeM00000022609 XP_045189921.1 26.8 336
 217 10 16 331 8 334 4.70E-21 110.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022611 6596 280.4 UdeM00000022611 XP_045156356.1 50.9 277
 125 3 5 272 36 310 2.40E-72 280.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022612 6596 182.6 UdeM00000022612 XP_045189922.1 34.1 399
 229 12 3 389 8 384 9.80E-43 182.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022613 6596 210.3 UdeM00000022613 XP_045216763.1 83.9 124
 20 0 3 126 2 125 1.40E-51 210.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022614 6596 657.1 UdeM00000022614 XP_045216763.1 88.1 353
42 0 3 355 2 354 1.20E-185 657.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022615 6596 237.7 UdeM00000022615 XP_045184362.1 36.2 362
201 8 144 490 151 497 3.20E-59 237.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022616 6573 255.8 UdeM00000022616 XP_021360569.1 48 248
119 2 4 241 5 252 5.70E-65 255.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022618 6596 183 UdeM00000022618 XP_045216690.1 82.7 104
18 0 1 104 1 104 2.00E-43 183 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022619 6596 792.7 UdeM00000022619 XP_045216690.1 63.3 586
214 1 2 586 111 696 3.20E-226 792.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022620 6596 793.1 UdeM00000022620 XP_045216690.1 63.9 582
209 1 2 582 111 692 2.40E-226 793.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022621 1735272 394.4 UdeM00000022621 XP_041376454.1 39.8
522 289 7 26 536 25 532 2.30E-106 394.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022622 6596 561.6 UdeM00000022622 XP_045215182.1 41 703
376 11 26 698 2 695 1.40E-156 561.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022623 45264 97.8 UdeM00000022623 XP_044184709.1 51.7 87
42 0 38 124 55 141 2.20E-17 97.8 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000022624 45264 235.7 UdeM00000022624 XP_044184031.1 45.9 281
136 6 1 272 213 486 6.80E-59 235.7 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000022626 45264 92 UdeM00000022626 XP_044165143.1 45.8 107
56 2 2 106 367 473 5.20E-16 92 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000022625 45264 361.3 UdeM00000022625 XP_044165143.1 45.6 443
175 6 27 407 35 473 1.60E-96 361.3 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000022627 45264 314.7 UdeM00000022627 XP_044165143.1 56.9 274
113 2 42 314 35 304 1.30E-82 314.7 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000022628 6596 80.9 UdeM00000022628 XP_045215306.1 31 197
125 7 35 227 1 190 2.30E-12 80.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022629 7574 144.1 UdeM00000022629 XP_013405563.1 34.8 267
137 6 1 264 146 378 2.70E-31 144.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000022631 6579 72.4 UdeM00000022631 XP_033739209.1 41.6 101
43 2 2 97 159 248 3.70E-10 72.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000022632 6579 112.1 UdeM00000022632 XP_033739209.1 58.1 86
36 0 9 94 2 87 4.40E-22 112.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000022633 6596 211.5 UdeM00000022633 XP_045187536.1 61.6 159
60 1 1 158 566 724 8.00E-52 211.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022634 6596 179.9 UdeM00000022634 XP_045187536.1 37.7 329
49 2 1 173 396 724 2.80E-42 179.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022635 6596 179.1 UdeM00000022635 XP_045187536.1 71.7 127
 36 0 1 127 396 522 3.70E-42 179.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022638 6579 150.6 UdeM00000022638 XP_033739209.1 54.2 131
 60 0 9 139 2 132 1.50E-33 150.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022639 6596 238.4 UdeM00000022639 XP_045215306.1 46.2 355
 161 11 48 381 248 593 1.50E-59 238.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022640 6596 245 UdeM00000022640 XP_045215306.1 42.7 361
 166 6 29 381 620 947 1.60E-61 245 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022641 6596 167.2 UdeM00000022641 XP_045215306.1 42.7 234
 103 2 2 235 634 836 2.60E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022642 6596 841.6 UdeM00000022642 XP_045165907.1 58 633
 264 2 8 640 6 636 7.00E-241 841.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022643 6596 205.3 UdeM00000022643 XP_045215306.1 39.4 348
 167 8 6 329 1005 1332 1.20E-49 205.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022644 6596 171 UdeM00000022644 XP_045215306.1 41 310
 150 8 750 1051 2340 2624 1.60E-38 171 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022645 151771 338.2 UdeM00000022645 XP_028408207.1 48.3
 329 164 3 2 326 280 606 1.20E-89 338.2 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo

corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000022646 451745 93.6 UdeM00000022646 XP_037553707.1 41
 105 56 1 17 121 536 634 1.90E-16 93.6 451745
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Rivulidae;Nematolebias;Nematolebias whitei
 UdeM00000022647 6565 466.8 UdeM00000022647 XP_022332655.1 86.9 267
 35 0 18 284 22 288 1.90E-128 466.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022648 6596 424.9 UdeM00000022648 XP_045156573.1 68.4 294
 92 1 1 293 1 294 9.00E-116 424.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022649 6596 348.6 UdeM00000022649 XP_045216758.1 52.5 358
 163 4 22 375 17 371 1.00E-92 348.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022651 218467 155.6 UdeM00000022651 XP_023212519.1 49.4
 168 73 2 1 168 1 156 5.90E-35 155.6 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000022652 6526 61.2 UdeM00000022652 XP_013095873.1 39.5 76
 43 1 36 111 50 122 2.40E-06 61.2 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000022653 6579 550.1 UdeM00000022653 XP_033749223.1 82.6 327
 57 0 1 327 1151 1477 2.00E-153 550.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022654 6596 414.1 UdeM00000022654 XP_045216835.1 57.3 648
 223 18 5 632 515 1128 3.20E-112 414.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022655 6573 640.6 UdeM00000022655 XP_021364125.1 78.1 425
 68 3 17 428 1 413 1.50E-180 640.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000022656 37621 215.3 UdeM00000022656 XP_014675321.1 59 166
65 2 13 177 73 236 6.20E-53 215.3 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus
UdeM00000022657 37621 124.4 UdeM00000022657 XP_014675321.1 55.6 108
45 2 1 107 131 236 8.80E-26 124.4 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapulus;Priapulus caudatus
UdeM00000022658 29159 65.9 UdeM00000022658 XP_034324494.1 41 83
49 0 54 136 167 249 5.80E-08 65.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000022659 225164 145.2 UdeM00000022659 XP_009044157.1 72.8
92 24 1 1 91 1 92 9.60E-32 145.2 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000022660 6596 331.3 UdeM00000022660 XP_045184046.1 41.4 399
221 5 31 424 19 409 3.30E-87 331.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022665 6596 579.3 UdeM00000022665 XP_045156683.1 38.4 789
438 7 102 884 17 763 8.20E-162 579.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022664 6596 578.6 UdeM00000022664 XP_045156683.1 40.1 725
396 5 102 822 17 707 2.30E-161 578.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022666 6596 1889.4 UdeM00000022666 XP_045215952.1 67.6
1455 455 6 6 1445 255 1707 0.00E+00 1889.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022667 6596 233.4 UdeM00000022667 XP_045215952.1 83.2 125
21 0 1 125 69 193 1.60E-58 233.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000022668 6596 221.9 UdeM00000022668 XP_045198374.1 36.1 413
 116 6 1 275 1 403 1.00E-54 221.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022669 6565 188.3 UdeM00000022669 XP_022327962.1 39.4 274
 112 3 1 220 445 718 1.00E-44 188.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022670 6596 314.3 UdeM00000022670 XP_045215943.1 45.1 350
 192 0 91 440 96 445 2.50E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022671 6596 461.8 UdeM00000022671 XP_045215944.1 61.3 403
 135 3 4 385 5 407 8.30E-127 461.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022672 6596 369.8 UdeM00000022672 XP_045215941.1 71.5 508
 80 2 1 448 1 503 5.20E-99 369.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022673 6596 374.4 UdeM00000022673 XP_045215941.1 72 508
 77 2 1 448 1 503 2.00E-100 374.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022674 6500 107.1 UdeM00000022674 XP_005088944.1 33.5 263
 132 9 78 304 75 330 4.40E-20 107.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000022675 6500 106.3 UdeM00000022675 XP_005088944.1 33.5 263
 132 9 17 243 75 330 6.20E-20 106.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000022676 72036 340.5 UdeM00000022676 XP_040576246.1 41.8 426
 238 7 9 429 43 463 3.10E-90 340.5 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000022677 6596 551.2 UdeM00000022677 XP_045156727.1 69.7 390
 115 2 1 387 58 447 1.00E-153 551.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022680 6596 567 UdeM00000022680 XP_045156727.1 76.5 361
83 1 2 360 87 447 1.70E-158 567 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022678 6596 675.2 UdeM00000022678 XP_045156727.1 66.3 499
110 2 13 509 5 447 6.30E-191 675.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022679 6596 688.3 UdeM00000022679 XP_045156725.1 73.2 444
117 1 13 454 5 448 6.40E-195 688.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022681 6573 127.9 UdeM00000022681 XP_021372240.1 47.6 126
65 1 1 126 175 299 9.60E-27 127.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022682 6596 210.3 UdeM00000022682 XP_045216726.1 60.2 161
64 0 1 161 1 161 1.90E-51 210.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022683 6596 126.3 UdeM00000022683 XP_045216157.1 51.2 125
61 0 1 125 9 133 2.70E-26 126.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022684 6596 476.9 UdeM00000022684 XP_045215253.1 76.6 290
58 3 19 306 32 313 2.00E-131 476.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022686 6596 119.8 UdeM00000022686 XP_045215835.1 69.2 237
65 5 3 235 5 237 4.70E-24 119.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022687 6500 122.1 UdeM00000022687 XP_005091780.1 63.9 108
39 0 1 108 1 108 4.50E-25 122.1 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000022688 6596 986.1 UdeM00000022688 XP_045216790.1 77.3 651
 142 3 3 649 2 650 2.10E-284 986.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022689 6596 802.4 UdeM00000022689 XP_045216790.1 65.1 651
 160 7 103 688 2 650 4.60E-229 802.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022690 6596 228.8 UdeM00000022690 XP_045216376.1 42.2 277
 154 3 10 285 42 313 1.10E-56 228.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022691 6573 278.1 UdeM00000022691 XP_021339447.1 36.3 410
 243 8 158 556 5 407 2.50E-71 278.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022692 6596 225.7 UdeM00000022692 XP_045187824.1 40.5 294
 169 3 26 317 22 311 1.00E-55 225.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022693 1735272 193.4 UdeM00000022693 XP_041372814.1 69.7
 145 41 2 1 143 15 158 2.30E-46 193.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022694 1735272 184.5 UdeM00000022694 XP_041372801.1 72.9
 129 34 1 1 129 27 154 1.10E-43 184.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022697 7739 208 UdeM00000022697 XP_035686596.1 34.6 384
 202 10 1 351 2 369 2.50E-50 208 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
 UdeM00000022698 6596 897.1 UdeM00000022698 XP_045215843.1 84 537
 83 2 5 540 3 537 1.10E-257 897.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022699 6596 153.7 UdeM00000022699 XP_045215901.1 50.3 149
 70 2 1 147 1 147 1.90E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000022700 6526 206.8 UdeM00000022700 XP_013090315.1 65.4 153
 52 1 1 153 1 152 1.90E-50 206.8 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata

UdeM00000022701 45351 59.3 UdeM00000022701 XP_032238345.1 41.8 79
 42 1 1 75 434 512 2.70E-06 59.3 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000022702 37032 72.8 UdeM00000022702 XP_029777003.1 26.8 246
 144 9 79 296 18 255 8.30E-10 72.8 37032 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Carnivora;Feliformia;Herpestidae;Suricata;S
 uricata suricatta

UdeM00000022703 6579 65.5 UdeM00000022703 XP_033760293.1 24.4 283
 178 9 47 302 94 367 1.40E-07 65.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017767 29159 64.3 UdeM00000017767 XP_034312617.1 31.5 92
 62 1 68 159 3850 3940 2.30E-07 64.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017769 29159 183.3 UdeM00000017769 XP_011456725.1 45 218
 62 4 2 164 12 226 2.50E-43 183.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017770 29159 116.7 UdeM00000017770 XP_034331441.1 40.2 169
 97 4 1 168 1 166 3.00E-23 116.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017772 7574 236.9 UdeM00000017772 XP_013409676.1 50.7 268
 115 5 1 261 1 258 3.00E-59 236.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000017774 7574 260.8 UdeM00000017774 XP_013382110.1 61.9 194
 74 0 14 207 45 238 1.50E-66 260.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000017773 7574 260.8 UdeM00000017773 XP_013382110.1 59.6 208
 78 1 1 208 37 238 1.50E-66 260.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000017776 6565 318.9 UdeM00000017776 XP_022317233.1 24 1677
 902 72 7 1654 2493 3825 4.00E-83 318.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017777 6579 234.2 UdeM00000017777 XP_033740601.1 30.5 613
 278 24 379 948 998 1505 7.00E-58 234.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017778 29159 501.1 UdeM00000017778 XP_034312617.1 32 1037
 570 31 20 956 998 1999 3.10E-138 501.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017779 29159 536.6 UdeM00000017779 XP_034312618.1 36.3 903
 474 28 118 942 94 973 6.50E-149 536.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017781 1735272 257.7 UdeM00000017781 XP_041362240.1 26.3
 757 468 28 68 797 119 812 6.90E-65 257.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017782 1735272 257.7 UdeM00000017782 XP_041362240.1 26.3
 757 468 28 68 797 119 812 6.10E-65 257.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017783 29159 1351.3 UdeM00000017783 XP_034312617.1 35.6
 2331 1292 73 71 2337 29 2215 0.00E+00 1351.3
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017784 29159 694.5 UdeM00000017784 XP_034312617.1 28.6 1836
 874 57 162 1605 44 1834 3.20E-196 694.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017785 114398 318.2 UdeM00000017785 XP_015906392.2 40.5
 422 244 4 1 420 1 417 1.60E-83 318.2 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo

rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum
 UdeM00000017786 6579 430.3 UdeM00000017786 XP_033740601.1 35 749
 430 23 2 721 785 1505 5.20E-117 430.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017787 6526 699.9 UdeM00000017787 XP_013084208.1 28.3 2109
 1069 75 11 2049 699 2433 9.80E-198 699.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Panpulmonata;
 Hygrophila;Lymnaeoidae;Planorbidae;Biomphalaria;Biomphalaria glabrata
 UdeM00000017788 6579 240 UdeM00000017788 XP_033734021.1 53.4 264
 123 0 1 264 299 562 8.20E-60 240 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017789 6596 310.5 UdeM00000017789 XP_045212586.1 60.6 282
 95 8 1 278 1 270 2.80E-81 310.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017790 1735272 363.6 UdeM00000017790 XP_041362603.1 58
 324 130 1 17 334 10 333 2.70E-97 363.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000017791 6579 641.7 UdeM00000017791 XP_033752761.1 73.2 426
 114 0 28 453 30 455 6.90E-181 641.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017793 6596 243.4 UdeM00000017793 XP_045213494.1 47.5 265
 129 6 17 274 10 271 3.40E-61 243.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017794 6596 249.2 UdeM00000017794 XP_045213494.1 49 261
 127 3 17 272 10 269 6.10E-63 249.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017795 6596 117.5 UdeM00000017795 XP_045191051.1 48.3 118
 53 3 11 125 7 119 1.30E-23 117.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017796 6500 97.8 UdeM00000017796 XP_012941888.1 42.3 137
 70 4 1 134 6 136 1.10E-17 97.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000017797 6596 102.4 UdeM00000017797 XP_045171115.1 45 120
 56 4 16 131 20 133 4.50E-19 102.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017798 6596 98.6 UdeM00000017798 XP_045171115.1 45 120
 56 4 16 131 20 133 6.50E-18 98.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017799 6596 107.8 UdeM00000017799 XP_045191051.1 44.9 127
 57 5 52 173 1 119 1.40E-20 107.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017800 6596 107.1 UdeM00000017800 XP_045191051.1 45.2 126
 56 5 1 121 2 119 1.70E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017801 6579 99.4 UdeM00000017801 XP_033729354.1 44.4 133
 59 4 1 122 1 129 3.60E-18 99.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017802 6573 248.4 UdeM00000017802 XP_021357273.1 35.8 358
 218 6 368 719 3049 3400 4.00E-62 248.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017805 6596 67.8 UdeM00000017805 XP_045213470.1 38.7 150
 75 7 368 507 451 593 6.80E-08 67.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017806 6579 298.9 UdeM00000017806 XP_033735855.1 38 492
 266 12 1 464 1 481 1.10E-77 298.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017807 6579 240.4 UdeM00000017807 XP_033731739.1 36.4 376
 104 1 2 242 3 378 2.50E-60 240.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017808 6565 123.2 UdeM00000017808 XP_022319170.1 67.9 84
23 2 36 118 347 427 2.20E-25 123.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017809 6596 266.5 UdeM00000017809 XP_045212389.1 47.1 263
132 4 2 262 162 419 3.50E-68 266.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017810 6596 592 UdeM00000017810 XP_045213968.1 56.8 648
171 10 4 581 3 611 8.10E-166 592 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017811 6596 598.2 UdeM00000017811 XP_045213968.1 57.4 641
171 9 4 574 3 611 1.10E-167 598.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017812 400727 398.3 UdeM00000017812 XP_025114462.1 59.1
345 122 5 1 345 4 329 1.00E-107 398.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000017813 400727 389.8 UdeM00000017813 XP_025114384.1 54
400 136 10 1 393 4 362 4.10E-105 389.8 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000017814 1735272 275 UdeM00000017814 XP_041363386.1 47.2
394 175 14 9 384 6 384 1.40E-70 275 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000017817 1735272 377.9 UdeM00000017817 XP_041362693.1 88.7
212 24 0 1 212 1 212 8.70E-102 377.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000017818 29159 374 UdeM00000017818 XP_019926611.2 63.3 305
101 2 1 305 1 294 1.80E-100 374 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017819 6596 241.9 UdeM00000017819 XP_045212585.1 55.6 189
 83 1 5 193 51 238 6.90E-61 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017820 6573 124 UdeM00000017820 XP_021355633.1 48.5 130
 66 1 9 137 11 140 1.80E-25 124 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017821 29159 146 UdeM00000017821 XP_034320422.1 70.7 92
 25 1 27 116 133 224 3.40E-32 146 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017822 6579 1808.9 UdeM00000017822 XP_033752749.1 57.7
 1643 605 13 43 1674 24 1587 0.00E+00 1808.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017823 6596 499.2 UdeM00000017823 XP_045211148.1 58.9 387
 154 3 32 416 25 408 5.30E-138 499.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017824 6596 507.3 UdeM00000017824 XP_045211148.1 58.2 409
 165 4 12 417 3 408 2.20E-140 507.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017825 6596 77 UdeM00000017825 XP_045211147.1 42.4 92
 48 2 45 131 39 130 2.40E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017826 225164 60.1 UdeM00000017826 XP_009062040.1 33.3
 138 72 5 12 141 26 151 3.00E-06 60.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000017827 1735272 1040.4 UdeM00000017827 XP_041365007.1
 58.3 896 354 8 11 903 6 884 1.30E-300 1040.4
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017828 1735272 985.3 UdeM00000017828 XP_041365007.1 56.7
 887 349 9 11 870 6 884 4.90E-284 985.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000017829 6596 566.2 UdeM00000017829 XP_045212453.1 52.8 669
275 23 1 651 1 646 5.40E-158 566.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017830 6596 560.8 UdeM00000017830 XP_045212453.1 52.3 669
277 23 1 650 1 646 2.30E-156 560.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017831 1735272 62.8 UdeM00000017831 XP_041350990.1 45.2
62 34 0 126 187 461 522 5.50E-07 62.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000017832 6596 204.9 UdeM00000017832 XP_045212346.1 65.6 183
44 4 45 213 5 182 1.10E-49 204.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017833 6596 202.6 UdeM00000017833 XP_045212346.1 65.9 182
43 4 12 179 4 180 4.60E-49 202.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017834 6596 212.6 UdeM00000017834 XP_045173066.1 37.7 305
186 3 51 352 46 349 8.30E-52 212.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017835 6596 5417.8 UdeM00000017835 XP_045171731.1 86.3
3089 422 0 1 3089 1420 4508 0.00E+00 5417.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017836 6596 2154.8 UdeM00000017836 XP_045171731.1 73.2
1441 330 2 2 1386 3 1443 0.00E+00 2154.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017837 6596 7604.2 UdeM00000017837 XP_045171731.1 83.1
4508 718 3 2 4466 3 4508 0.00E+00 7604.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017838 1735272 588.6 UdeM00000017838 XP_041364721.1 57.1
496 204 3 28 522 47 534 8.00E-165 588.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000017839 1735272 473 UdeM00000017839 XP_041364757.1 52.5
491 190 11 4 457 3 487 4.30E-130 473 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000017840 7574 284.3 UdeM00000017840 XP_013395488.1 70 180
54 0 1 180 80 259 2.00E-73 284.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000017841 2607531 153.7 UdeM00000017841 XP_029651116.1 40.2
264 121 8 9 251 217 464 3.20E-34 153.7 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000017842 225164 800 UdeM00000017842 XP_009060013.1 54.8
695 297 3 29 721 5 684 2.40E-228 800 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000017843 6573 344 UdeM00000017843 XP_021379548.1 59.5 259
105 0 28 286 42 300 1.90E-91 344 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017844 7604 80.5 UdeM00000017844 XP_033642466.1 65.6 64
21 1 1 63 1 64 1.20E-12 80.5 7604 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
atida;Asteroidea;Asterias;Asterias rubens
UdeM00000017846 6596 248.1 UdeM00000017846 XP_045212439.1 51.8 247
111 3 4 243 4 249 1.20E-62 248.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017848 29159 168.7 UdeM00000017848 XP_011454473.2 68.9 119
37 0 1 119 749 867 4.60E-39 168.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017847 6596 638.6 UdeM00000017847 XP_045214331.1 65.7 487
120 3 1 442 395 879 5.70E-180 638.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017849 6596 330.9 UdeM00000017849 XP_045214331.1 70.6 245
62 5 10 249 3 242 1.50E-87 330.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017853 6579 485 UdeM00000017853 XP_033756081.1 67.7 350
109 1 186 531 264 613 1.30E-133 485 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect

inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017855 6565 1189.9 UdeM00000017855 XP_022317607.1 55.5
1066 434 8 1 1061 1 1031 0.00E+00 1189.9 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017856 6573 254.6 UdeM00000017856 XP_021351109.1 60.8 209
82 0 9 217 10 218 1.20E-64 254.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect

inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017857 6565 1941 UdeM00000017857 XP_022317950.1 76 1238
291 5 1 1236 1 1234 0.00E+00 1941 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017858 6565 1592 UdeM00000017858 XP_022317950.1 74.7 1044
258 5 1 1042 1 1040 0.00E+00 1592 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000017859 29159 217.6 UdeM00000017859 XP_034311791.1 51 194
95 0 1 194 142 335 1.40E-53 217.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000017861 6596 1546.6 UdeM00000017861 XP_045213304.1 51.8
1628 753 15 35 1643 160 1775 0.00E+00 1546.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017862 6573 149.8 UdeM00000017862 XP_021356991.1 57 135
 57 1 36 169 29 163 3.20E-33 149.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017865 6596 501.9 UdeM00000017865 XP_045214075.1 60 395
 151 2 1 388 1 395 7.30E-139 501.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017866 6565 94.7 UdeM00000017866 XP_022318952.1 54.3 81
 37 0 18 98 5 85 6.80E-17 94.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017867 6579 703.7 UdeM00000017867 XP_033736482.1 48.6 673
 311 7 2 641 276 946 2.10E-199 703.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017868 6596 600.1 UdeM00000017868 XP_045210875.1 77.4 376
 84 1 2 376 6 381 1.90E-168 600.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017869 6573 4831.5 UdeM00000017869 XP_021350578.1 66.9
 3630 1101 35 1 3595 1 3566 0.00E+00 4831.5 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017870 6579 381.3 UdeM00000017870 XP_033747705.1 50.1 411
 158 9 1 407 3139 3506 1.50E-102 381.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017871 29159 300.1 UdeM00000017871 XP_011432031.1 94.4 144
 8 0 1 144 1 144 1.60E-78 300.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017872 29159 73.9 UdeM00000017872 XP_034322417.1 25.3 182
 110 5 39 200 38 213 3.20E-10 73.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017873 7668 99.8 UdeM00000017873 XP_030845073.1 30.3 218
 130 5 90 296 643 849 6.70E-18 99.8 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus

UdeM00000017874 6596 156.8 UdeM00000017874 XP_045211505.1 59.4 138
 46 5 1 131 5 139 2.10E-35 156.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017875 1735272 357.8 UdeM00000017875 XP_041362967.1 60.2
 304 107 4 9 312 19 308 1.40E-95 357.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017876 6596 323.2 UdeM00000017876 XP_045214358.1 76.2 206
 47 1 1 206 42 245 2.50E-85 323.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017877 6596 1049.3 UdeM00000017877 XP_045211563.1 43.2
 1478 632 33 4 1351 3 1402 4.30E-303 1049.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017878 6596 317.8 UdeM00000017878 XP_045215002.1 57.9 240
 101 0 4 243 1 240 1.20E-83 317.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017879 6596 153.7 UdeM00000017879 XP_045215002.1 57.6 118
 50 0 4 121 1 118 1.50E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017880 6596 187.6 UdeM00000017880 XP_045213789.1 86.1 115
 15 1 1 114 1 115 9.00E-45 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017881 6596 263.8 UdeM00000017881 XP_045213788.1 68.7 214
 67 0 3 216 2 215 1.90E-67 263.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017882 6596 387.1 UdeM00000017882 XP_045213784.1 84.7 216
 33 0 1 216 1 216 1.50E-104 387.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000017883 29159 357.8 UdeM00000017883 XP_034313138.1 39.6 1488
 615 33 398 1768 62 1382 7.70E-95 357.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017885 6596 377.1 UdeM00000017885 XP_045213785.1 48.4 434
 189 10 1 431 227 628 3.00E-101 377.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017884 6596 624 UdeM00000017884 XP_045213785.1 50.6 656
 275 11 9 661 19 628 2.20E-175 624 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017886 6565 301.6 UdeM00000017886 XP_022318659.1 81.4 188
 35 0 1 188 1 188 7.00E-79 301.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017887 6579 408.3 UdeM00000017887 XP_033729367.1 60.9 320
 123 2 4 322 3 321 1.30E-110 408.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017888 6596 1230.3 UdeM00000017888 XP_045210746.1 58.3
 1033 405 10 40 1060 52 1070 0.00E+00 1230.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017889 6596 137.9 UdeM00000017889 XP_045213497.1 35.7 325
 151 12 1 308 1 284 2.20E-29 137.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017890 6596 135.6 UdeM00000017890 XP_045211344.1 59.3 113
 44 1 12 124 8 118 4.40E-29 135.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017891 1735272 73.2 UdeM00000017891 XP_041364761.1 50
 58 29 0 1 58 87 144 1.80E-10 73.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017892 6596 329.7 UdeM00000017892 XP_045213980.1 54.2 295
 127 3 71 363 112 400 4.70E-87 329.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017893 6596 947.6 UdeM00000017893 XP_045210552.1 51.7 1061
 423 26 24 1059 33 1029 1.40E-272 947.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017894 6596 280.4 UdeM00000017894 XP_045214357.1 73.1 182
 49 0 1 182 1 182 1.60E-72 280.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017895 6596 300.4 UdeM00000017895 XP_045213111.1 53.5 282
 113 1 9 290 3 266 2.40E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017896 6573 104 UdeM00000017896 XP_021379564.1 37.5 275
 116 9 7 249 50 300 3.60E-19 104 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017897 6565 516.5 UdeM00000017897 XP_022317408.1 60.6 507
 158 12 3 492 280 761 3.60E-143 516.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017899 6579 645.2 UdeM00000017899 XP_033755580.1 46.7 793
 343 13 5 729 807 1587 1.00E-181 645.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017898 6579 828.6 UdeM00000017898 XP_033755580.1 46.7 1023
 453 17 1 947 581 1587 8.30E-237 828.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017900 6596 229.2 UdeM00000017900 XP_045210595.1 56 234
 93 3 1 227 585 815 6.10E-57 229.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017901 6596 245.7 UdeM00000017901 XP_045210595.1 56.3 215
 90 3 2 213 368 581 5.30E-62 245.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017902 29159 147.5 UdeM00000017902 XP_034339171.1 48.3 149
75 1 25 171 13 161 1.70E-32 147.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017903 29159 489.2 UdeM00000017903 XP_034331441.1 31.6 1034
654 23 71 1084 1 1001 1.40E-134 489.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017904 7574 417.5 UdeM00000017904 XP_013388573.1 40.4 617
333 15 96 703 349 939 3.30E-113 417.5 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000017907 6573 124 UdeM00000017907 XP_021379559.1 68.2 88
28 0 99 186 1176 1263 2.70E-25 124 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017908 1735272 123.2 UdeM00000017908 XP_041347065.1 35.4
206 79 2 1 152 1 206 1.20E-24 123.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017909 6596 95.5 UdeM00000017909 XP_045210595.1 53.5 86
40 0 4 89 1023 1108 3.60E-17 95.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000017910 6573 291.2 UdeM00000017910 XP_021379559.1 47.1 365
170 6 1 361 1242 1587 1.80E-75 291.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017911 6573 250.4 UdeM00000017911 XP_021379559.1 46.3 298
138 4 74 351 882 1177 3.50E-63 250.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000017912 1735272 69.3 UdeM00000017912 XP_041360711.1 37.3
83 52 0 2 84 3 85 3.80E-09 69.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017913 6596 461.5 UdeM00000017913 XP_045210595.1 43.8 624
242 11 183 787 283 816 2.30E-126 461.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017914 6579 641.7 UdeM00000017914 XP_033755580.1 45.9 787
 354 10 2 749 808 1561 1.20E-180 641.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017915 6596 476.1 UdeM00000017915 XP_045210595.1 43.4 638
 230 9 14 635 307 829 7.10E-131 476.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017916 6579 795.4 UdeM00000017916 XP_033755580.1 46.6 972
 443 13 44 1006 683 1587 8.30E-227 795.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017917 6596 338.2 UdeM00000017917 XP_045210595.1 60.2 269
 101 3 2 269 369 632 9.80E-90 338.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017918 6596 1324.7 UdeM00000017918 XP_045210595.1 47.1
 1638 642 27 183 1753 59 1539 0.00E+00 1324.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017919 6596 615.9 UdeM00000017919 XP_045210595.1 48.2 724
 323 14 183 891 59 745 8.00E-173 615.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017921 6579 211.1 UdeM00000017921 XP_033741736.1 51.5 202
 96 1 15 214 656 857 1.50E-51 211.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017922 6579 198.7 UdeM00000017922 XP_033741736.1 53.5 187
 85 1 1 185 671 857 6.80E-48 198.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017923 1735272 201.8 UdeM00000017923 XP_041374927.1 66.9
 139 46 0 2 140 1215 1353 5.60E-49 201.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017925 6596 721.5 UdeM00000017925 XP_045211878.1 66.1 528
 171 3 4 527 8 531 7.90E-205 721.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017926 7574 115.2 UdeM00000017926 XP_013391571.1 82.4 68
 12 0 19 86 29 96 8.80E-23 115.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000017926 7574 58.5 UdeM00000017926 XP_013391571.1 63.3 49
 11 1 85 126 382 430 9.80E-06 58.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000017927 6596 434.1 UdeM00000017927 XP_045214973.1 65 449
 124 8 1 442 1 423 2.40E-118 434.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017928 6596 144.8 UdeM00000017928 XP_045214975.1 57 128
 53 2 3 130 4 129 8.30E-32 144.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017929 6596 74.7 UdeM00000017929 XP_045169297.1 36.6 145
 50 2 7 110 26 169 8.50E-11 74.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017930 151771 215.7 UdeM00000017930 XP_028415423.1 28.9
 515 236 8 3 392 5 514 1.40E-52 215.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000017931 6596 127.9 UdeM00000017931 XP_045169297.1 46.9 145
 76 1 24 168 26 169 1.30E-26 127.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017932 225164 1305.4 UdeM00000017932 XP_009063558.1
 78.4 778 168 0 384 1161 152 929 0.00E+00 1305.4
 225164 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000017933 6596 506.9 UdeM00000017933 XP_045210760.1 32.5 1345
 769 31 809 2094 840 2104 1.20E-139 506.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017934 6596 162.5 UdeM00000017934 XP_045213331.1 64.5 124
44 0 1 124 1 124 3.40E-37 162.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017935 6596 473.4 UdeM00000017935 XP_045212417.1 42.9 569
312 7 1 562 1 563 4.00E-130 473.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017936 6579 115.5 UdeM00000017936 XP_033741736.1 55.4 101
44 1 32 132 1090 1189 5.00E-23 115.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017937 10224 104.8 UdeM00000017937 XP_006822441.1 58 88
37 0 4 91 903 990 6.10E-20 104.8 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000017938 6596 473 UdeM00000017938 XP_045212797.1 37.5 704
423 13 5 700 4 698 6.50E-130 473 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017940 1735272 146 UdeM00000017940 XP_041362678.1 23
985 610 27 32 932 88 1008 2.50E-31 146 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000017941 6579 178.3 UdeM00000017941 XP_033741736.1 53.2 171
78 1 1 169 671 841 8.60E-42 178.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017942 6579 1149.4 UdeM00000017942 XP_033739131.1 60.3
884 347 3 25 905 488 1370 0.00E+00 1149.4 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017943 6579 198.7 UdeM00000017943 XP_033741736.1 53.5 187
85 1 1 185 671 857 6.80E-48 198.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000017944 29159 92 UdeM00000017944 XP_034307341.1 39.8 118
 63 2 9 118 230 347 9.60E-16 92 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017945 6596 149.4 UdeM00000017945 XP_045213152.1 24.9 949
 555 24 30 918 117 967 2.20E-32 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017946 6596 107.1 UdeM00000017946 XP_045213152.1 23.7 949
 560 26 30 912 117 967 1.20E-19 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017947 72036 353.6 UdeM00000017947 XP_040576246.1 44.3 427
 227 7 11 430 39 461 3.60E-94 353.6 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000017948 1735272 1070.5 UdeM00000017948 XP_041362800.1
 57.8 883 357 9 114 991 135 1006 0.00E+00 1070.5
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017949 400727 462.6 UdeM00000017949 XP_025092919.1 68.4
 307 96 1 4 309 2 308 5.60E-127 462.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000017950 6596 339 UdeM00000017950 XP_045213493.1 43 391
 196 8 26 402 12 389 8.80E-90 339 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017951 400727 375.6 UdeM00000017951 XP_025092919.1 59
 307 125 1 7 312 3 309 1.10E-100 375.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000017952 6500 376.7 UdeM00000017952 XP_012946050.1 57.7 305
 129 0 8 312 3 307 5.10E-101 376.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000017953 400727 375.6 UdeM00000017953 XP_025092919.1 57.9
 316 132 1 7 321 3 318 1.10E-100 375.6 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000017954 400727 380.2 UdeM00000017954 XP_025092919.1 58.2
316 131 1 7 321 3 318 4.60E-102 380.2 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000017955 400727 378.3 UdeM00000017955 XP_025092919.1 59.5
304 122 1 7 309 3 306 1.70E-101 378.3 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000017956 400727 378.6 UdeM00000017956 XP_025092919.1 59.3
307 124 1 7 312 3 309 1.30E-101 378.6 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000017957 400727 327 UdeM00000017957 XP_025092919.1 61.9
252 95 1 15 265 52 303 4.30E-86 327 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000017962 6596 689.5 UdeM00000017962 XP_045214200.1 73.1 468
122 3 121 587 2 466 3.70E-195 689.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017963 6579 251.1 UdeM00000017963 XP_033739209.1 50 258
113 2 9 261 2 248 1.50E-63 251.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000017964 6573 460.7 UdeM00000017964 XP_021346496.1 40.2 602
313 4 245 812 103 691 3.90E-126 460.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000017965 6596 71.6 UdeM00000017965 XP_045198585.1 30.9 162
96 3 144 289 259 420 2.80E-09 71.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000017966 6596 326.6 UdeM00000017966 XP_045214208.1 44.8 357
185 3 2 357 7 352 4.40E-86 326.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017967 6596 328.2 UdeM00000017967 XP_045214209.1 49.7 324
 159 3 28 349 34 355 1.30E-86 328.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017968 6596 388.3 UdeM00000017968 XP_045211689.1 61.4 308
 113 2 77 384 83 384 1.20E-104 388.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017969 6565 185.7 UdeM00000017969 XP_022306835.1 59.4 155
 63 0 5 159 7 161 4.90E-44 185.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017970 6596 390.6 UdeM00000017970 XP_045211689.1 68.6 258
 81 0 147 404 127 384 2.50E-105 390.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017971 260995 71.6 UdeM00000017971 XP_033788733.1 44
 84 46 1 1 84 301 383 5.40E-10 71.6 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
 e;Geotrypetes;Geotrypetes seraphini
 UdeM00000017974 6596 385.6 UdeM00000017974 XP_045211689.1 62.4 303
 114 0 105 407 82 384 8.00E-104 385.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017975 6596 80.9 UdeM00000017975 XP_045214197.1 44 84
 45 1 4 87 26 107 2.80E-12 80.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017976 6565 99.8 UdeM00000017976 XP_022315633.1 20.7 709
 447 25 63 738 270 896 1.60E-17 99.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000017977 6565 118.2 UdeM00000017977 XP_022315628.1 30.3 251
 163 4 1 249 1 241 1.60E-23 118.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000017979 6596 389.4 UdeM00000017979 XP_045214940.1 65.1 304
 102 2 45 344 39 342 4.70E-105 389.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017980 1735272 93.6 UdeM00000017980 XP_041364553.1 57
 79 30 1 1 79 1 75 1.30E-16 93.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017982 6579 172.9 UdeM00000017982 XP_033740492.1 33.7 312
 172 4 37 343 88 369 6.80E-40 172.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000017983 6596 409.8 UdeM00000017983 XP_045214544.1 31.5 1036
 527 24 148 1082 92 1045 1.10E-110 409.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017984 6596 409.8 UdeM00000017984 XP_045214544.1 31.5 1036
 527 24 168 1102 92 1045 1.10E-110 409.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017985 1735272 146.7 UdeM00000017985 XP_041363612.1 32.9
 249 148 3 10 250 18 255 4.40E-32 146.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000017986 6596 676.8 UdeM00000017986 XP_045214316.1 66.5 570
 175 3 3 559 464 1030 2.80E-191 676.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017987 6596 713 UdeM00000017987 XP_045214319.1 73.9 441
 114 1 1 440 1 441 3.70E-202 713 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017988 6596 496.5 UdeM00000017988 XP_045211982.1 56.2 560
 220 9 1 553 1 542 4.40E-137 496.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000017990 6596 125.2 UdeM00000017990 XP_045214821.1 40.7 214
 110 5 7 215 9 210 2.30E-25 125.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017991 6596 58.9 UdeM00000017991 XP_045214887.1 34.1 82
 38 2 1 82 39 104 6.10E-06 58.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017992 6596 693.7 UdeM00000017992 XP_045214377.1 54.7 685
 269 6 1 658 1 671 2.20E-196 693.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017993 6573 96.7 UdeM00000017993 XP_021350034.1 64.2 67
 24 0 9 75 9 75 1.40E-17 96.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000017994 6596 651 UdeM00000017994 XP_045214381.1 68.8 430
 134 0 1 430 74 503 1.10E-183 651 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017995 6596 599.4 UdeM00000017995 XP_045214382.1 70.3 435
 129 0 1 435 2 436 5.80E-168 599.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017996 6596 589.3 UdeM00000017996 XP_045214382.1 68.6 443
 131 1 1 443 2 436 6.10E-165 589.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017997 6596 188.3 UdeM00000017997 XP_045214384.1 52.3 176
 83 1 6 181 5 179 8.30E-45 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017998 8078 63.5 UdeM00000017998 XP_035990535.1 47.5 59
 29 1 7 65 2 58 1.30E-07 63.5 8078 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp

rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus heteroclitus

UdeM00000017999	7725	80.9	UdeM00000017999	XP_039259523.1	45.5	77
41	1	7	83	92	167	8.70E-13
80.9 7725 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela clava						

UdeM00000018000	8049	58.2	UdeM00000018000	XP_030229478.1	32.6	141
69	4	9	131	231	363	9.90E-06
58.2 8049 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadidae;Gadus;Gadus morhua						

UdeM00000018001	400727	138.3	UdeM00000018001	XP_025101913.1	33.9	
345	193	12	5	337	187	508
1.90E-29 138.3 400727 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata						

UdeM00000018002	6579	102.8	UdeM00000018002	XP_033733480.1	38.7	155
88	3	36	185	35	187	1.30E-18
102.8 6579 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus						

UdeM00000018003	29159	110.2	UdeM00000018003	XP_011419243.2	32.3	229
145	5	123	346	148	371	7.90E-21
110.2 29159 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas						

UdeM00000018004	1735272	103.6	UdeM00000018004	XP_041379324.1	26.2	
416	279	14	9	412	24	423
6.20E-19 103.6 1735272 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis						

UdeM00000018005	29159	124	UdeM00000018005	XP_011419243.2	29.6	324
215	8	56	373	81	397	4.50E-25
124 29159 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas						

UdeM00000018006	29159	124	UdeM00000018006	XP_011419243.2	29.6	324
215	8	56	373	81	397	4.60E-25
124 29159 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas						

UdeM00000018007	1735272	642.5	UdeM00000018007	XP_041362902.1	71.3	
443	117	3	5	442	3	440
3.90E-181 642.5 1735272 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis						

UdeM00000018008 6573 349.4 UdeM00000018008 XP_021358873.1 48.2 417
 207 4 2 417 3 411 6.60E-93 349.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018009 6573 145.2 UdeM00000018009 XP_021358871.1 46.9 177
 94 0 1 177 246 422 8.10E-32 145.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018010 6579 286.6 UdeM00000018010 XP_033753412.1 52.6 306
 140 3 22 326 440 741 6.20E-74 286.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018011 1735272 66.2 UdeM00000018011 XP_041365026.1 40.5
 74 41 2 12 82 713 786 3.90E-08 66.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018012 6573 258.5 UdeM00000018012 XP_021342925.1 33.7 486
 254 11 5 481 13 439 1.70E-65 258.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018013 105255 64.3 UdeM00000018013 XP_042540089.1 35.6
 101 53 2 3 103 145 233 2.10E-07 64.3 105255
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Castorimorpha;Heteromyida
 e;Dipodomys;Dipodomys spectabilis
 UdeM00000018015 6596 92.8 UdeM00000018015 XP_045173434.1 24.1 328
 244 3 46 371 29 353 1.00E-15 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018016 7574 506.5 UdeM00000018016 XP_013394313.1 60.1 411
 151 4 30 439 36 434 3.40E-140 506.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000018017 6596 468.4 UdeM00000018017 XP_045187317.1 51.6 444
 198 5 3 440 4 436 1.00E-128 468.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018019 6573 542.7 UdeM00000018019 XP_021369020.1 44.8 723
 353 8 26 745 21 700 7.20E-151 542.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018021 1735272 483 UdeM00000018021 XP_041353687.1 58.9
416 163 5 10 419 5 418 3.90E-133 483 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000018022 1735272 483 UdeM00000018022 XP_041353687.1 58.9
416 163 5 9 418 5 418 3.90E-133 483 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000018024 1735272 355.1 UdeM00000018024 XP_041351932.1 52.2
356 166 2 517 871 6 358 2.60E-94 355.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000018025 6573 475.3 UdeM00000018025 XP_021363760.1 68.7 345
108 0 14 358 38 382 7.20E-131 475.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018026 6596 1243.4 UdeM00000018026 XP_045180432.1 56.9
1121 433 14 40 1148 46 1128 0.00E+00 1243.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018027 6596 1087.4 UdeM00000018027 XP_045213086.1 74.7
661 165 2 55 713 53 713 0.00E+00 1087.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018028 6579 484.2 UdeM00000018028 XP_033748994.1 71.9 345
89 4 1 338 82 425 1.40E-133 484.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018030 400727 167.2 UdeM00000018030 XP_025087143.1 84.2
101 16 0 1 101 1 101 2.20E-38 167.2 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000018031 400727 144.8 UdeM00000018031 XP_025087143.1 79.6
93 19 0 1 93 1 93 1.20E-31 144.8 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000018033 6565 181.8 UdeM00000018033 XP_022319370.1 84.3 102
16 0 1 102 1 102 8.40E-43 181.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000018035 6573 161 UdeM00000018035 XP_021361648.1 65.2 253
70 2 322 556 292 544 9.80E-36 161 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000018036 6579 137.5 UdeM00000018036 XP_033751802.1 28.5 627
404 16 10 618 14 614 5.80E-29 137.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000018037 29159 745.3 UdeM00000018037 XP_011416098.2 84.1 452
71 1 1 451 1 452 4.40E-212 745.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000018038 6579 553.1 UdeM00000018038 XP_033751763.1 50.8 707
255 13 2 699 3 625 5.00E-154 553.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000018039 29159 258.5 UdeM00000018039 XP_011416101.1 65.9 176
60 0 8 183 1 176 6.60E-66 258.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000018040 29159 839.7 UdeM00000018040 XP_011416101.1 60.8 674
229 9 8 662 1 658 2.50E-240 839.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000018041 6500 193.7 UdeM00000018041 XP_005092492.1 56.8 183
71 2 1 176 1 182 2.30E-46 193.7 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000018042 6526 125.2 UdeM00000018042 XP_013090275.1 37.6 173
100 3 33 200 62 231 1.00E-25 125.2 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeioidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000018043 6596 1543.1 UdeM00000018043 XP_045210857.1 50.8
3069 1146 33 1 3044 1 2730 0.00E+00 1543.1 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018044 29159 180.6 UdeM00000018044 XP_011425581.2 31.8 308
 203 1 60 367 23 323 3.70E-42 180.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018045 6596 1080.5 UdeM00000018045 XP_045213735.1 54.4
 974 377 9 30 986 29 952 0.00E+00 1080.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018046 6596 90.5 UdeM00000018046 XP_045213725.1 43.7 119
 57 4 1 111 1 117 4.00E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018047 6596 373.2 UdeM00000018047 XP_045208460.1 52.4 347
 158 2 23 368 21 361 3.80E-100 373.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018048 6596 187.6 UdeM00000018048 XP_045199556.1 31.9 354
 236 4 45 395 787 1138 5.00E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018049 37653 135.6 UdeM00000018049 XP_014790756.1 31.9 263
 173 3 80 339 568 827 1.60E-28 135.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000018050 6596 779.6 UdeM00000018050 XP_045214999.1 53.7 750
 248 7 1 677 5 728 3.20E-222 779.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018051 6596 311.6 UdeM00000018051 XP_045214997.1 48.5 355
 175 3 12 362 744 1094 1.30E-81 311.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018052 6565 510 UdeM00000018052 XP_022315827.1 45.1 685
 304 9 1 676 1 622 4.70E-141 510 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018053 6565 522.3 UdeM00000018053 XP_022315827.1 45.5 685
 305 8 1 680 1 622 9.10E-145 522.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018054 29159 1216.1 UdeM00000018054 XP_011448973.2 52.8
 1427 593 24 53 1437 34 1421 0.00E+00 1216.1
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018055 6596 194.5 UdeM00000018055 XP_045186494.1 43 277
 153 3 49 322 19 293 2.20E-46 194.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018056 6579 5567.7 UdeM00000018056 XP_033749225.1 40.7
 8331 4525 136 20 8093 1244 9412 0.00E+00 5567.7 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018057 6579 5584.6 UdeM00000018057 XP_033749225.1 40.8
 8304 4525 135 20 8066 1244 9412 0.00E+00 5584.6 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018058 6565 320.5 UdeM00000018058 XP_022317156.1 41.5 532
 278 15 2 514 698 1215 4.60E-84 320.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018059 6565 357.5 UdeM00000018059 XP_022314359.1 36.6 680
 363 18 86 725 56 707 4.10E-95 357.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018060 108931 257.3 UdeM00000018060 XP_039300608.1 51.2
 240 113 2 1 236 648 887 2.00E-65 257.3 108931
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Auchenorrhyncha;
 Fulgoromorpha;Fulgoroidea;Delphacidae;Delphacinae;Nilaparvata;Nilaparvata
 lugens
 UdeM00000018061 29159 309.7 UdeM00000018061 XP_034314268.1 34.1 692
 406 20 25 683 2 676 9.60E-81 309.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018062 6579 721.8 UdeM00000018062 XP_033749225.1 31.9 1723
 1078 40 11 1706 6432 8086 2.00E-204 721.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018063 6573 964.1 UdeM00000018063 XP_021358863.1 42 1344
733 25 158 1478 8099 9419 2.00E-277 964.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018064 6565 1400.2 UdeM00000018064 XP_022314359.1 37.4
2541 1454 60 22 2486 2 2481 0.00E+00 1400.2 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000018065 6596 620.9 UdeM00000018065 XP_045197975.1 41.4 871
480 16 46 906 1078 1928 2.60E-174 620.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018067 6573 91.7 UdeM00000018067 XP_021340920.1 27.7 188
112 5 35 212 753 926 3.50E-15 91.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018068 6596 191.4 UdeM00000018068 XP_045213213.1 67.9 140
44 1 1 139 1 140 7.80E-46 191.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018069 1735272 447.2 UdeM00000018069 XP_041363765.1 69.9
306 92 0 56 361 64 369 2.00E-122 447.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000018070 6596 1518.8 UdeM00000018070 XP_045210708.1 67.5
1096 351 4 1 1092 19 1113 0.00E+00 1518.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018071 6573 1311.2 UdeM00000018071 XP_021340610.1 65.2
957 320 6 17 960 1125 2081 0.00E+00 1311.2 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018072 6596 788.1 UdeM00000018072 XP_045210708.1 60.1 749
236 7 2 702 1923 2656 9.20E-225 788.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018073 6596 592.8 UdeM00000018073 XP_045210778.1 30.8 1204
 663 31 119 1234 522 1643 1.00E-165 592.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018073 6596 275 UdeM00000018073 XP_045210778.1 23.7 1233
 776 41 5 1163 3 1144 4.70E-70 275 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018074 6596 594 UdeM00000018074 XP_045210778.1 30.8 1204
 660 30 119 1231 522 1643 4.60E-166 594 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018074 6596 278.5 UdeM00000018074 XP_045210778.1 23.8 1240
 780 42 5 1170 3 1151 4.20E-71 278.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018075 6596 312 UdeM00000018075 XP_045214610.1 51.4 286
 120 2 1 269 1 284 7.40E-82 312 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018076 6596 342 UdeM00000018076 XP_045163874.1 41.9 430
 234 4 6 431 7 424 1.10E-90 342 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018077 6596 250 UdeM00000018077 XP_045206114.1 39.4 312
 185 1 14 321 16 327 4.40E-63 250 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018078 6596 882.5 UdeM00000018078 XP_045213523.1 66.3 621
 207 2 67 685 11 631 3.50E-253 882.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018080 6565 117.1 UdeM00000018080 XP_022310266.1 54.8 115
 48 1 1 115 216 326 1.60E-23 117.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000018081 6565 117.1 UdeM00000018081 XP_022310266.1 54.8 115
48 1 1 115 216 326 1.60E-23 117.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000018083 6565 117.1 UdeM00000018083 XP_022310266.1 54.8 115
48 1 1 115 216 326 1.60E-23 117.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000018084 6565 117.1 UdeM00000018084 XP_022310266.1 54.8 115
48 1 1 115 216 326 1.60E-23 117.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000018085 6565 117.1 UdeM00000018085 XP_022310266.1 54.8 115
48 1 1 115 216 326 1.60E-23 117.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000018087 6565 117.1 UdeM00000018087 XP_022310266.1 54.8 115
48 1 1 115 216 326 1.60E-23 117.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000018086 6565 122.1 UdeM00000018086 XP_022310266.1 50 134
63 1 111 244 197 326 1.00E-24 122.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000018088 6565 117.1 UdeM00000018088 XP_022310266.1 54.8 115
48 1 1 115 216 326 1.60E-23 117.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000018090 441921 88.6 UdeM00000018090 XP_015509563.1 47.1
85 42 2 2 84 586 669 4.20E-15 88.6 441921
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Tenthredinoid
ea; Diprionidae; Diprioninae; Neodiprion; Neodiprion lecontei
UdeM00000018091 6565 117.1 UdeM00000018091 XP_022310266.1 54.8 115
48 1 1 115 216 326 1.60E-23 117.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000018092 6565 117.1 UdeM00000018092 XP_022310266.1 54.8 115
48 1 1 115 216 326 1.60E-23 117.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000018094 6573 2147.5 UdeM00000018094 XP_021377221.1 63.4
 1734 582 13 7 1713 132 1839 0.00E+00 2147.5 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018095 29159 315.8 UdeM00000018095 XP_011454463.2 40.9 486
 231 11 6 482 6 444 9.20E-83 315.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018096 6565 341.7 UdeM00000018096 XP_022314183.1 78.8 264
 44 4 2 254 6 268 8.60E-91 341.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000018097 29159 158.3 UdeM00000018097 XP_011454459.2 55.5 164
 66 6 119 278 413 573 1.40E-35 158.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018098 6596 359.8 UdeM00000018098 XP_045159557.1 48 358
 183 2 94 451 65 419 5.20E-96 359.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018101 6596 231.5 UdeM00000018101 XP_045185723.1 43.8 288
 146 4 8 295 456 727 1.50E-57 231.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018102 6596 453.8 UdeM00000018102 XP_045188223.1 48.7 454
 229 2 408 861 216 665 5.10E-124 453.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018103 6596 121.3 UdeM00000018103 XP_045206982.1 51.9 104
 50 0 4 107 80 183 8.30E-25 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018104 6579 401.4 UdeM00000018104 XP_033731896.1 53 406
 168 9 56 454 44 433 1.60E-108 401.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018105 29159 616.3 UdeM00000018105 XP_011451905.3 75.4 382
 89 3 1 379 1 380 2.60E-173 616.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000018106 6596 815.8 UdeM00000018106 XP_045212136.1 63.9 609
217 3 5 611 14 621 3.70E-233 815.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018107 6596 850.5 UdeM00000018107 XP_045212136.1 67.2 609
196 4 5 610 14 621 1.30E-243 850.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018108 6596 122.9 UdeM00000018108 XP_045213029.1 31.6 339
188 11 13 317 12 340 1.20E-24 122.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018109 6596 148.3 UdeM00000018109 XP_045213029.1 32.1 343
204 10 13 336 12 344 2.10E-32 148.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018110 6596 150.2 UdeM00000018110 XP_045213029.1 33.3 339
198 9 13 333 12 340 6.00E-33 150.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018111 6596 142.5 UdeM00000018111 XP_045210764.1 29.6 557
325 16 31 556 180 700 1.60E-30 142.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018112 6596 201.4 UdeM00000018112 XP_045169459.1 40.7 258
147 3 50 306 333 585 2.10E-48 201.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018113 6596 151 UdeM00000018113 XP_045213029.1 32.6 331
191 10 13 324 12 329 4.50E-33 151 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000018115 6596 2491.5 UdeM00000018115 XP_045210711.1 36.1
4582 2466 99 268 4714 7 4263 0.00E+00 2491.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018116 400727 452.2 UdeM00000018116 XP_025092274.1 74.8
286 72 0 14 299 6 291 5.20E-124 452.2 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000018117 6573 1414.8 UdeM00000018117 XP_021358901.1 43.1
1726 940 19 57 1768 30 1727 0.00E+00 1414.8 6573

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000018118 6579 179.9 UdeM00000018118 XP_033755140.1 37.3 263
157 4 877 1132 369 630 1.90E-41 179.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018120 6596 116.3 UdeM00000018120 XP_045214178.1 39 182
108 3 29 207 37 218 4.60E-23 116.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018121 6579 165.6 UdeM00000018121 XP_033753770.1 34.9 249
137 6 22 252 26 267 8.00E-38 165.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018122 6596 309.7 UdeM00000018122 XP_045212187.1 56.4 227
99 0 34 260 19 245 3.60E-81 309.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018123 6579 498 UdeM00000018123 XP_033726834.1 39.8 761
409 19 8 741 61 799 2.10E-137 498 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018125 6596 825.1 UdeM00000018125 XP_045214949.1 62.7 684
222 5 14 668 10 689 6.50E-236 825.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018126 6596 345.9 UdeM00000018126 XP_045213615.1 80.4 194
38 0 27 220 15 208 3.80E-92 345.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000018127 6596 277.7 UdeM00000018127 XP_045213620.1 42.6 343
 184 4 18 355 34 368 2.00E-71 277.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018128 6596 132.9 UdeM00000018128 XP_045213622.1 49.6 129
 63 2 8 136 32 158 3.10E-28 132.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018129 29159 324.3 UdeM00000018129 XP_034313077.1 64 236
 85 0 17 252 77 312 1.40E-85 324.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018130 6596 300.8 UdeM00000018130 XP_045213622.1 46.2 290
 153 2 20 309 220 506 2.00E-78 300.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018131 6596 101.7 UdeM00000018131 XP_045213622.1 46.5 86
 45 1 14 99 422 506 6.40E-19 101.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018132 6579 656.8 UdeM00000018132 XP_033735599.1 68.9 457
 138 3 1 455 1 455 2.10E-185 656.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018133 6573 845.1 UdeM00000018133 XP_021363368.1 49.3 1184
 476 17 24 1184 50 1132 1.10E-241 845.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018134 6573 865.9 UdeM00000018134 XP_021363368.1 51.1 1142
 476 16 24 1142 50 1132 5.70E-248 865.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018135 6596 671.8 UdeM00000018135 XP_045213487.1 61 567
 204 10 1 565 1 552 7.80E-190 671.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018136 6596 458.4 UdeM00000018136 XP_045210834.1 32.5 1906
 848 43 11 1728 23 1678 4.40E-125 458.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018137 6596 429.1 UdeM00000018137 XP_045210834.1 32 1906
 845 44 11 1715 23 1678 2.80E-116 429.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018138 6573 485.7 UdeM00000018138 XP_021348666.1 65.8 345
 85 1 1 345 1 312 4.90E-134 485.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018139 6573 179.5 UdeM00000018139 XP_021348666.1 64.7 133
 47 0 44 176 313 445 5.10E-42 179.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000018140 29159 709.9 UdeM00000018140 XP_011419679.2 68 450
 143 1 12 461 26 474 2.10E-201 709.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018141 45264 429.9 UdeM00000018141 XP_044165143.1 53.9 412
 167 5 42 451 35 425 4.10E-117 429.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000018142 45264 172.9 UdeM00000018142 XP_044184031.1 48.7 191
 88 5 1 185 300 486 3.70E-40 172.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000018143 48498 1839.7 UdeM00000018143 XP_020614589.1 31.8
 3835 2367 75 1 3660 195 3957 0.00E+00 1839.7
 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000018144 1735272 235.3 UdeM00000018144 XP_041364645.1 42.6
 298 156 7 105 394 31 321 1.30E-58 235.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018145 37653 716.1 UdeM00000018145 XP_014791320.1 57.9 639
 241 8 14 627 65 700 4.00E-203 716.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000018146 2607531 318.5 UdeM00000018146 XP_029634814.1 52.9
 310 137 5 14 317 60 366 1.10E-83 318.5 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus sinensis

UdeM00000018147 6573 473.8 UdeM00000018147 XP_021341841.1 72.9 295
80 0 1 295 244 538 1.60E-130 473.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000018148 6573 733.4 UdeM00000018148 XP_021341841.1 63.8 538
190 4 6 542 5 538 2.10E-208 733.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000018149 6596 495.7 UdeM00000018149 XP_045214354.1 46.1 540
261 9 62 577 91 624 7.80E-137 495.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018150 6596 495.7 UdeM00000018150 XP_045214354.1 46.1 540
261 9 109 624 91 624 8.40E-137 495.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018151 225164 181 UdeM00000018151 XP_009061878.1 55.4
157 69 1 4 159 5 161 1.20E-42 181 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000018152 7574 441.4 UdeM00000018152 XP_013422192.1 53.5 387
175 1 7 388 1 387 1.20E-120 441.4 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000018153 6596 714.5 UdeM00000018153 XP_045213214.1 67.4 506
160 4 19 522 18 520 9.70E-203 714.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018154 6596 711.8 UdeM00000018154 XP_045213214.1 68.2 494
153 3 2 494 30 520 5.90E-202 711.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000018155 29159 168.3 UdeM00000018155 XP_034312253.1 78 91
20 0 1 91 1 91 6.10E-39 168.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000018156 40690 134 UdeM00000018156 XP_034006674.1 36.6 202
124 3 2 201 4 203 2.10E-28 134 40690 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
ioidei;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000018157 7957 67.8 UdeM00000018157 XP_026072939.1 43.7 71
40 0 25 95 148 218 8.70E-09 67.8 7957 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
idei;Cyprinidae;Cyprininae;Carassius;Carassius auratus

UdeM00000018158 6596 949.9 UdeM00000018158 XP_045213215.1 85.7 531
75 1 20 550 122 651 1.40E-273 949.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018159 400727 129 UdeM00000018159 XP_025085515.1 31.9
248 141 9 39 268 28 265 1.80E-26 129 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000018160 400727 129 UdeM00000018160 XP_025085515.1 31.9
248 141 9 39 268 28 265 1.70E-26 129 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000018162 6579 493.4 UdeM00000018162 XP_033743181.1 46.8 617
309 10 71 682 9 611 4.50E-136 493.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000018164 6596 520 UdeM00000018164 XP_045213883.1 55 462
202 3 29 489 24 480 3.50E-144 520 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018165 29159 437.6 UdeM00000018165 XP_011432949.1 73.4 263
70 0 6 268 11 273 1.20E-119 437.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000018166 6596 121.7 UdeM00000018166 XP_045213505.1 47.1 155
75 2 1 153 1 150 8.20E-25 121.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000018167 1735272 332.4 UdeM00000018167 XP_041362649.1 49.4
 338 164 3 263 598 370 702 1.20E-87 332.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018168 400727 77.8 UdeM00000018168 XP_025115168.1 40
 85 49 1 4 88 7 89 7.80E-12 77.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000018169 29159 1403.3 UdeM00000018169 XP_034312450.1 33.9
 2498 1289 53 6 2448 147 2337 0.00E+00 1403.3
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000018170 2607531 149.8 UdeM00000018170 XP_029639050.1 58.5
 118 49 0 29 146 25 142 2.70E-33 149.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000018171 6596 407.5 UdeM00000018171 XP_045213918.1 47.9 478
 231 9 1 467 68 538 2.30E-110 407.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018172 7604 300.8 UdeM00000018172 XP_033633146.1 40.8 390
 213 3 262 633 29 418 4.50E-78 300.8 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asterias;Asterias rubens
 UdeM00000018173 6596 827.8 UdeM00000018173 XP_045210568.1 49.8 860
 410 6 9 854 3 854 1.30E-236 827.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000018174 6579 196.4 UdeM00000018174 XP_033735211.1 86.4 110
 10 1 1 110 1 105 1.90E-47 196.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000018175 1735272 183.7 UdeM00000018175 XP_041363370.1 57.9
 140 57 1 14 151 15 154 1.90E-43 183.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000018176 6573 699.1 UdeM00000018176 XP_021357487.1 84.3 395
 62 0 1 395 1 395 3.20E-198 699.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018177 6573 697.6 UdeM00000018177 XP_021357487.1 84.3 394
62 0 7 400 2 395 9.50E-198 697.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018178 6579 427.2 UdeM00000018178 XP_033749044.1 59.7 347
136 1 9 351 7 353 2.30E-116 427.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000018179 6573 239.6 UdeM00000018179 XP_021363767.1 45.9 246
130 2 38 282 584 827 4.90E-60 239.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018180 400727 403.7 UdeM00000018180 XP_025085573.1 44.7
470 242 10 50 509 38 499 3.70E-109 403.7 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000018181 6573 125.9 UdeM00000018181 XP_021353616.1 37 216
120 6 12 214 1251 1463 7.00E-26 125.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018182 6596 552 UdeM00000018182 XP_045213596.1 59.9 446
169 4 1 438 1 444 6.90E-154 552 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000018183 6573 680.6 UdeM00000018183 XP_021355237.1 67.9 467
142 2 5 471 4 462 1.50E-192 680.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000018184 6573 713.4 UdeM00000018184 XP_021355246.1 79.5 438
90 0 14 451 224 661 2.30E-202 713.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000044359 1125630 147.5 UdeM00000044359 YP_005226368.1 49.7
167 80 1 2 168 87 249 1.50E-32 147.5 1125630
cellular
organisms;Bacteria;Proteobacteria;Gammaproteobacteria;Enterobacteriales;Enterobacteriaceae;Klebsiella;Klebsiella pneumoniae;Klebsiella pneumoniae subsp. pneumoniae;Klebsiella pneumoniae subsp. pneumoniae HS11286
UdeM00000040836 45264 430.6 UdeM00000040836 XP_044179186.1 54.4 386
173 2 28 413 87 469 2.20E-117 430.6 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000040837 13397 83.2 UdeM00000040837 XP_041070753.1 35 117
74 1 1 117 501 615 2.50E-13 83.2 13397 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
don;Carcharodon carcharias
UdeM00000040838 8218 66.2 UdeM00000040838 XP_034081603.1 32.6 138
84 3 88 220 158 291 6.30E-08 66.2 8218 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
ioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps
UdeM00000040839 2652724 60.8 UdeM00000040839 XP_020895639.1 30.3
89 62 0 22 110 73 161 1.40E-06 60.8 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000040840 29159 70.9 UdeM00000040840 XP_011412814.1 40.2 102
57 2 5 105 9 107 1.10E-09 70.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040841 1735272 471.9 UdeM00000040841 XP_041377268.1 32.3
882 500 18 29 837 25 882 1.80E-129 471.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000040842 6573 360.5 UdeM00000040842 XP_021356427.1 46.2 483
176 8 1 411 1 471 2.80E-96 360.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000040843 6573 350.5 UdeM00000040843 XP_021356427.1 64.6 285
81 4 92 368 199 471 2.60E-93 350.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000040844 29159 123.2 UdeM00000040844 XP_034305523.1 60.9 87
34 0 42 128 816 902 3.60E-25 123.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040844 29159 57.8 UdeM00000040844 XP_034305523.1 59 39
16 0 159 197 1341 1379 1.90E-05 57.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040847 2652724 175.6 UdeM00000040847 XP_020913146.1 49.5
194 97 1 167 360 177 369 1.40E-40 175.6 2652724

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000040848 6579 194.9 UdeM00000040848 XP_033729790.1 42.6 244
136 1 10 253 17 256 4.70E-46 194.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040849 6579 201.1 UdeM00000040849 XP_033752673.1 62.3 159
57 1 1 156 493 651 1.10E-48 201.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040851 225164 60.5 UdeM00000040851 XP_009058200.1 66.7
39 13 0 114 152 108 146 2.20E-06 60.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000040850 225164 60.5 UdeM00000040850 XP_009058200.1 66.7
39 13 0 137 175 108 146 2.60E-06 60.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000040854 1735272 70.1 UdeM00000040854 XP_041366980.1 26.2
240 142 8 41 253 54 285 4.60E-09 70.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000040855 6596 106.7 UdeM00000040855 XP_045176006.1 37.2 196
107 7 4 189 358 547 3.70E-20 106.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040857 6596 78.2 UdeM00000040857 XP_045181277.1 38.8 103
61 2 143 244 218 319 1.70E-11 78.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044400 6596 407.9 UdeM00000044400 XP_045157043.1 42.1 606
310 14 1 592 1 579 2.20E-110 407.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044107 37621 141.4 UdeM00000044107 XP_014679100.1 37.5 232
131 8 768 994 78 300 6.40E-30 141.4 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus

UdeM00000044146 29159 365.5 UdeM00000044146 XP_034331235.1 64.4 267
 90 4 44 308 97 360 6.50E-98 365.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044147 1735272 405.6 UdeM00000044147 XP_041354926.1 62.7
 308 114 1 41 348 57 363 6.40E-110 405.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000044148 6573 218 UdeM00000044148 XP_021368888.1 68.2 148
 46 1 1 147 213 360 8.00E-54 218 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044149 6596 109 UdeM00000044149 XP_045197725.1 57 86
 36 1 39 124 78 162 4.40E-21 109 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044150 29159 409.1 UdeM00000044150 XP_034331235.1 56.7 363
 139 5 1 348 1 360 5.80E-111 409.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044151 29159 365.5 UdeM00000044151 XP_034331235.1 64.4 267
 90 4 44 308 97 360 6.50E-98 365.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044152 1735272 405.6 UdeM00000044152 XP_041354926.1 62.7
 308 114 1 41 348 57 363 6.40E-110 405.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000044153 6573 218 UdeM00000044153 XP_021368888.1 68.2 148
 46 1 1 147 213 360 8.00E-54 218 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044154 6087 103.2 UdeM00000044154 XP_012560424.1 58 81
 33 1 51 130 83 163 2.50E-19 103.2 6087 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
 oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
 UdeM00000044155 29159 409.1 UdeM00000044155 XP_034331235.1 56.7 363
 139 5 1 348 1 360 5.80E-111 409.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044156 29159 364.8 UdeM00000044156 XP_034331235.1 65.3 265
 87 4 52 314 99 360 1.10E-97 364.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000044157 29159 407.9 UdeM00000044157 XP_034331235.1 56.7 363
139 5 1 348 1 360 1.30E-110 407.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000044158 29159 367.1 UdeM00000044158 XP_034331235.1 64.8 267
89 4 44 308 97 360 2.20E-98 367.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000044159 1735272 405.6 UdeM00000044159 XP_041354926.1 62.7
308 114 1 41 348 57 363 6.40E-110 405.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000044462 225164 113.2 UdeM00000044462 XP_009062103.1 31.8
198 133 2 1 196 1 198 4.00E-22 113.2 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000044463 225164 111.3 UdeM00000044463 XP_009062103.1 32
200 132 3 1 198 1 198 1.50E-21 111.3 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000043622 83332 421 UdeM00000043622 NP_218033.1 90.5 231 22
0 1 231 33 263 9.70E-115 421 83332 cellular

organisms;Bacteria;Terrabacteria

group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000044397 83332 251.9 UdeM00000044397 NP_214612.1 68.5 168 53
0 21 188 16 183 6.40E-64 251.9 83332 cellular

organisms;Bacteria;Terrabacteria

group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000021545 6596 224.9 UdeM00000021545 XP_045211301.1 50.7 219
104 3 3 221 21 235 9.80E-56 224.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021546 151771 459.5 UdeM00000021546 XP_028415423.1 39.2
625 317 7 5 571 5 624 6.20E-126 459.5 151771

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo

corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea
 UdeM00000021547 6596 447.6 UdeM00000021547 XP_045164867.1 67.5 465
 135 7 7 461 6 464 2.10E-122 447.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021548 6579 802.7 UdeM00000021548 XP_033730263.1 42.4 1768
 945 20 1 1726 474 2209 9.20E-229 802.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021549 6596 723.4 UdeM00000021549 XP_045164867.1 55 1351
 514 24 140 1424 862 2184 6.30E-205 723.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021550 29159 239.2 UdeM00000021550 XP_034299662.1 49.2 502
 211 8 1 469 2149 2639 1.10E-59 239.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021551 225164 354.8 UdeM00000021551 XP_009056451.1 51.9
 314 133 5 35 347 1 297 1.30E-94 354.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000021552 6596 775.4 UdeM00000021552 XP_045161449.1 49.4 688
 336 7 40 722 29 709 6.40E-221 775.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021553 6596 895.2 UdeM00000021553 XP_045161449.1 57.1 683
 279 8 35 709 31 707 5.50E-257 895.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021554 6573 352.8 UdeM00000021554 XP_021367257.1 49.3 371
 170 8 1 367 2 358 5.20E-94 352.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021555 6596 355.9 UdeM00000021555 XP_045156248.1 41.4 466
 242 6 4 467 7 443 7.90E-95 355.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021556 225164 185.3 UdeM00000021556 XP_009063967.1 51.7
 172 76 2 1 165 37 208 6.80E-44 185.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000021557 6596 302 UdeM00000021557 XP_045160376.1 78.1 192
 41 1 1 191 325 516 5.50E-79 302 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021559 10224 338.6 UdeM00000021559 XP_002736880.1 57.6 283
 118 2 32 312 35 317 9.40E-90 338.6 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000021560 6565 140.6 UdeM00000021560 XP_022287521.1 53.8 132
 60 1 1 131 109 240 1.50E-30 140.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021561 6573 91.3 UdeM00000021561 XP_021346237.1 33.7 196
 65 3 1 131 328 523 1.00E-15 91.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021564 6565 171.8 UdeM00000021564 XP_022341899.1 48.5 194
 91 3 1 186 1 193 9.00E-40 171.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021566 1735272 82 UdeM00000021566 XP_041360711.1 37.5
 104 65 0 5 108 6 109 5.00E-13 82 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021565 1735272 92.4 UdeM00000021565 XP_041360711.1 30.1
 216 113 6 5 192 6 211 7.30E-16 92.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021568 6596 153.7 UdeM00000021568 XP_045206295.1 44.3 158
 87 1 116 273 5 161 3.50E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021569 7574 120.2 UdeM00000021569 XP_013399038.1 28.8 323
 119 6 84 303 60 374 4.80E-24 120.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000021570	7574	129.8	UdeM00000021570	XP_013382110.1	65.2	92
32	0	1	92	146	237	1.90E-27

129.8 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000021571	7574	116.3	UdeM00000021571	XP_013384628.1	51.2	121
55	1	6	126	60	176	4.00E-23

116.3 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000021571	7574	72	UdeM00000021571	XP_013384628.1	83.3	36
6	0	146	181	525	560	8.70E-10

72 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000021572	7574	113.6	UdeM00000021572	XP_013384628.1	51.7	116
52	1	20	135	65	176	2.20E-22

113.6 7574 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000021573	1735272	76.6	UdeM00000021573	XP_041360711.1	34.6	
104	68	0	5	108	6	109

2.10E-11 76.6 1735272 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021574	6573	78.2	UdeM00000021574	XP_021342792.1	75	48
12	0	1	48	314	361	1.90E-11

78.2 6573 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021576	6596	530.8	UdeM00000021576	XP_045214156.1	34.6	1058
584	26	3	1013	673	1669	3.80E-147

530.8 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021577	6596	511.5	UdeM00000021577	XP_045214156.1	50	482
239	2	1	482	107	586	1.60E-141

511.5 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021578	1735272	199.1	UdeM00000021578	XP_041372418.1	54.3	
173	73	3	15	187	303	469

4.90E-48 199.1 1735272 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021579	1735272	211.5	UdeM00000021579	XP_041373846.1	64.6	
147	51	1	27	173	158	303

8.90E-52 211.5 1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021580 6596 286.6 UdeM00000021580 XP_045188650.1 34.5 412
267 2 4 412 60 471 5.50E-74 286.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021581 6596 325.5 UdeM00000021581 XP_045157633.1 34.7 473
307 2 7 478 30 501 1.10E-85 325.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021582 6596 258.5 UdeM00000021582 XP_045175625.1 40.2 306
183 0 17 322 196 501 1.20E-65 258.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021583 6596 314.7 UdeM00000021583 XP_045157633.1 34 473
310 2 7 478 30 501 2.00E-82 314.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021584 6500 139 UdeM00000021584 XP_005105622.2 50 122
61 0 2 123 312 433 4.10E-30 139 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000021585 6596 268.5 UdeM00000021585 XP_045157633.1 36.5 356
226 0 15 370 146 501 1.30E-68 268.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021586 29159 389.8 UdeM00000021586 XP_034303860.1 44.1 497
213 13 5 451 21 502 4.70E-105 389.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021587 6596 278.9 UdeM00000021587 XP_045188650.1 38.4 349
213 2 3 350 135 482 9.60E-72 278.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021588 6596 82 UdeM00000021588 XP_045190529.1 37.8 90
56 0 29 118 42 131 7.30E-13 82 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021589 6573 194.1 UdeM00000021589 XP_021340579.1 58 138
56 1 1 138 222 357 1.20E-46 194.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021590 6573 205.3 UdeM00000021590 XP_021340579.1 56.3 151
64 1 11 161 209 357 6.20E-50 205.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021592 29159 73.6 UdeM00000021592 XP_034307878.1 32.3 99
67 0 1 99 92 190 4.90E-10 73.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021594 29159 216.5 UdeM00000021594 XP_034312908.1 28.2 649
342 20 9 564 6 623 8.90E-53 216.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021595 6596 261.5 UdeM00000021595 XP_045169243.1 51.2 248
111 3 1 248 1 238 1.10E-66 261.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021596 7604 82.8 UdeM00000021596 XP_033636849.1 54.5 88
38 1 1 86 176 263 2.50E-13 82.8 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatacida;Asteroidea;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000021597 1735272 177.6 UdeM00000021597 XP_041370269.1 78.8
99 21 0 1 99 1 99 8.10E-42 177.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021598 37653 374.8 UdeM00000021598 XP_014767702.1 87.8 213
24 1 1 211 1 213 7.30E-101 374.8 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000021599 1735272 283.5 UdeM00000021599 XP_041368763.1 86
171 21 2 1 168 44 214 1.80E-73 283.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021600 6596 812.8 UdeM00000021600 XP_045200719.1 39.2 2192
999 54 10 1938 37 2157 9.60E-232 812.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheteroconchia

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021601 6596 158.3 UdeM00000021601 XP_045201254.1 26 435
 299 8 15 442 15 433 2.30E-35 158.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021602 6596 422.2 UdeM00000021602 XP_045206401.1 68.6 471
 104 1 1 471 1 427 8.90E-115 422.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021603 6596 450.3 UdeM00000021603 XP_045206401.1 76.3 427
 101 0 1 427 1 427 2.80E-123 450.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021605 29159 71.2 UdeM00000021605 XP_011421015.2 39.6 149
 71 8 15 151 170 311 1.20E-09 71.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021604 29159 141.4 UdeM00000021604 XP_011421015.2 39.8 322
 151 15 5 297 4 311 1.90E-30 141.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021606 29159 100.1 UdeM00000021606 XP_034307341.1 36.8 125
 77 1 2 124 209 333 3.40E-18 100.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021607 6596 344.7 UdeM00000021607 XP_045209189.1 49.3 355
 154 4 67 396 150 503 1.60E-91 344.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021608 6596 379 UdeM00000021608 XP_045192808.1 49.1 387
 185 4 49 430 118 497 8.00E-102 379 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021609 6596 163.3 UdeM00000021609 XP_045199821.1 64.2 120
 43 0 15 134 23 142 2.10E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021610 6596 153.7 UdeM00000021610 XP_045199821.1 52.6 133
 58 1 13 145 14 141 1.90E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021611 6579 127.9 UdeM00000021611 XP_033732265.1 46.3 147
 71 2 1 147 1 139 1.10E-26 127.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021612 6596 335.5 UdeM00000021612 XP_045167481.1 48 354
 173 7 11 355 75 426 8.40E-89 335.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021613 6596 297 UdeM00000021613 XP_045204754.1 53.5 310
 130 5 2 301 29 334 2.80E-77 297 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021614 6579 639.4 UdeM00000021614 XP_033732483.1 63 462
 168 1 7 465 10 471 3.50E-180 639.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021615 6573 615.1 UdeM00000021615 XP_021375290.1 59.3 467
 175 3 2 453 16 482 6.90E-173 615.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021616 1735272 728.4 UdeM00000021616 XP_041368304.1 83
 418 71 0 1 418 1 418 5.20E-207 728.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021617 6565 103.2 UdeM00000021617 XP_022288562.1 47.6 103
 54 0 1 103 73 175 2.00E-19 103.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021618 7918 288.1 UdeM00000021618 XP_015203073.1 78.5 181
 39 0 1 181 1 181 7.70E-75 288.1 7918 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Holostei;Semionotiformes;Lepisosteidae
 ;Lepisosteus;Lepisosteus oculatus
 UdeM00000021619 6579 833.9 UdeM00000021619 XP_033730029.1 66.8 600
 186 5 6 599 16 608 1.20E-238 833.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000021622 6565 223.4 UdeM00000021622 XP_022323588.1 50.2 225
107 3 4 225 43 265 2.90E-55 223.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000021620 6565 247.7 UdeM00000021620 XP_022320891.1 47 279
131 4 1 276 1 265 1.80E-62 247.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000021621 6565 252.7 UdeM00000021621 XP_022320891.1 48.3 271
131 4 1 268 1 265 5.40E-64 252.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000021623 6596 332.8 UdeM00000021623 XP_045201218.1 53.6 304
139 2 1 303 40 342 4.60E-88 332.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021627 46514 97.4 UdeM00000021627 XP_038046569.1 52.9 102
44 1 21 122 28 125 1.30E-17 97.4 46514 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; Asterinidae; Patiria; Patiria miniata

UdeM00000021628 7574 102.4 UdeM00000021628 XP_013389566.1 32.9 173
108 5 55 225 138 304 2.90E-18 102.4 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000021629 46731 123.2 UdeM00000021629 XP_027057471.1 32.7 199
100 3 324 521 261 426 9.40E-25 123.2 46731 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Pocilloporidae; Pocillopora; Pocillopora damicornis

UdeM00000021630 6565 198.7 UdeM00000021630 XP_022324861.1 23.5 817
449 28 462 1165 974 1727 4.20E-47 198.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000021631 6596 562.4 UdeM00000021631 XP_045194594.1 48.1 603
292 7 571 1167 598 1185 1.40E-156 562.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000021632 6579 175.3 UdeM00000021632 XP_033733290.1 48.1 162
74 4 26 187 24 175 7.60E-41 175.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000021633 6596 1341.3 UdeM00000021633 XP_045196680.1 45.2
1446 746 18 5 1431 132 1549 0.00E+00 1341.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000021634 6596 115.2 UdeM00000021634 XP_045196680.1 48.1 106
45 2 1 106 630 725 1.20E-22 115.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000021636 6573 82.8 UdeM00000021636 XP_021350433.1 21.7 374
258 12 2 348 444 809 9.50E-13 82.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021637 6573 84.7 UdeM00000021637 XP_021350433.1 22.1 417
285 14 2 389 444 849 3.50E-13 84.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021638 6573 114.8 UdeM00000021638 XP_021373777.1 24.1 369
259 9 14 364 48 413 2.60E-22 114.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021639 6573 74.3 UdeM00000021639 XP_021373777.1 25.3 221
152 5 5 213 194 413 2.40E-10 74.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021640 6573 74.3 UdeM00000021640 XP_021373777.1 25.3 221
152 5 5 213 194 413 2.40E-10 74.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021641 225164 60.1 UdeM00000021641 XP_009053805.1 31.2
128 83 3 7 131 383 508 2.80E-06 60.1 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
Lottiidae;Lottia;Lottia gigantea

UdeM00000021642 6596 137.9 UdeM00000021642 XP_045188705.1 59.1 110
45 0 815 924 638 747 6.60E-29 137.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000021642 6596 76.3 UdeM00000021642 XP_045188705.1 47.8 69
33 1 10 75 525 593 2.40E-10 76.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021643 6596 479.6 UdeM00000021643 XP_045199716.1 72.3 300
 83 0 1 300 1 300 3.00E-132 479.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025637 6596 1307.7 UdeM00000025637 XP_045207736.1 54.3
 1324 547 11 1 1318 39 1310 0.00E+00 1307.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025638 6596 292.4 UdeM00000025638 XP_045185641.1 50 278
 131 5 1 270 50 327 6.10E-76 292.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025639 6596 352.1 UdeM00000025639 XP_045185641.1 51.5 330
 149 6 1 322 1 327 8.00E-94 352.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025640 6500 196.4 UdeM00000025640 XP_035828236.1 51.1 219
 103 3 3 218 8 225 3.70E-47 196.4 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000025641 6579 413.3 UdeM00000025641 XP_033758654.1 81.8 253
 41 1 1 248 1 253 2.30E-112 413.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025642 6565 359.4 UdeM00000025642 XP_022326349.1 94.5 182
 10 0 1 182 255 436 3.00E-96 359.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025645 6573 354 UdeM00000025645 XP_021369947.1 28.6 819
 483 11 37 761 382 1192 4.80E-94 354 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025646 6596 958.4 UdeM00000025646 XP_045210094.1 70.3 666
 194 2 34 696 20 684 5.10E-276 958.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025647 6596 85.1 UdeM00000025647 XP_045183379.1 31.3 163
 86 4 20 163 21 176 9.40E-14 85.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025648 6596 245.7 UdeM00000025648 XP_045208363.1 54.9 255
 99 6 7 250 8 257 6.10E-62 245.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025649 6596 256.5 UdeM00000025649 XP_045208363.1 56.5 255
 99 6 7 254 8 257 3.50E-65 256.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025650 6596 354 UdeM00000025650 XP_045209942.1 49.5 366
 181 4 1 363 1 365 2.30E-94 354 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025651 6596 303.5 UdeM00000025651 XP_045209942.1 51.5 301
 140 3 2 297 66 365 2.90E-79 303.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025652 6579 760.8 UdeM00000025652 XP_033758341.1 57.8 713
 263 9 12 717 6 687 1.70E-216 760.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025653 6596 215.7 UdeM00000025653 XP_045209988.1 31.9 523
 311 11 1 491 1 510 1.50E-52 215.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025654 6579 813.1 UdeM00000025654 XP_033759157.1 67 588
 188 4 3 589 177 759 2.60E-232 813.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025655 6596 3275.7 UdeM00000025655 XP_045209625.1 70.5
 2396 639 9 1 2382 2168 4509 0.00E+00 3275.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025656 6573 4518.8 UdeM00000025656 XP_021371082.1 71.8
 3197 854 17 1 3179 1 3166 0.00E+00 4518.8 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025657 6579 589.7 UdeM00000025657 XP_033755700.1 58.4 476
 184 5 14 478 14 486 3.30E-165 589.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025658 6596 733.8 UdeM00000025658 XP_045209609.1 57.4 728
 276 9 1 706 1 716 2.10E-208 733.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025660 6579 1603.2 UdeM00000025660 XP_033758364.1 29.6
 5756 3011 156 1 5093 1 5376 0.00E+00 1603.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025661 6573 552 UdeM00000025661 XP_021371075.1 55.8 486
 203 5 29 511 24 500 8.10E-154 552 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025662 6596 243.8 UdeM00000025662 XP_045187536.1 58.3 216
 87 2 1 215 396 609 2.00E-61 243.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025663 6579 385.2 UdeM00000025663 XP_033757948.1 78.7 230
 49 0 1 230 1 230 5.90E-104 385.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025664 6596 258.8 UdeM00000025664 XP_045210042.1 56.1 255
 90 6 1 253 1 235 7.30E-66 258.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025665 1735272 745 UdeM00000025665 XP_041372421.1 79.5
 419 86 0 306 724 226 644 9.70E-212 745 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000025667 400727 62 UdeM00000025667 XP_025079720.1 32.5
 120 67 4 5 113 17 133 1.60E-06 62 400727
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000025668 7955 63.2 UdeM00000025668 XP_021322271.1 26.9 175
 109 5 125 297 301 458 1.10E-06 63.2 7955 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;
 Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Danionidae;
 Danioninae;Danio;Danio rerio
 UdeM00000025669 8177 73.6 UdeM00000025669 XP_036931280.1 24.5 372
 203 13 138 484 141 459 1.30E-09 73.6 8177 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;
 Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;
 Percomorphaceae;Eupercaria;Spariformes;Sparidae;Acanthopagrus;Acanthopagrus
 latus
 UdeM00000025671 7955 75.9 UdeM00000025671 NP_001107266.1 22.7 427
 243 15 143 553 481 836 2.60E-10 75.9 7955 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;
 Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Danionidae;
 Danioninae;Danio;Danio rerio
 UdeM00000025673 7955 80.1 UdeM00000025673 XP_021322271.1 22.7 458
 262 18 321 765 83 461 1.70E-11 80.1 7955 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;
 Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Danionidae;
 Danioninae;Danio;Danio rerio
 UdeM00000025676 29159 204.1 UdeM00000025676 XP_019926412.2 52.9 210
 88 3 1 207 1 202 1.90E-49 204.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025677 6579 219.9 UdeM00000025677 XP_033758661.1 53.8 236
 73 6 99 333 53 253 6.30E-54 219.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025679 6596 222.6 UdeM00000025679 XP_045207029.1 42.2 282
 145 7 7 273 8 286 6.00E-55 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000025680 6573 191.4 UdeM00000025680 XP_021369049.1 42.2 277
 153 3 8 283 5 275 4.50E-45 191.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000025681 6596 58.9 UdeM00000025681 XP_045207091.1 29.9 137
 89 2 12 146 33 164 6.20E-06 58.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025682 6596 61.6 UdeM00000025682 XP_045207091.1 30.7 127
 78 3 27 146 41 164 9.60E-07 61.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025683 29159 213.8 UdeM00000025683 XP_011443721.2 41.1 355
 184 9 1 344 36 376 3.50E-52 213.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025684 6579 715.7 UdeM00000025684 XP_033739131.1 60.8 536
 208 2 1 535 835 1369 4.40E-203 715.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000025685 29159 70.5 UdeM00000025685 XP_034305523.1 31 155
 81 3 2 156 417 545 2.20E-09 70.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025686 6565 313.2 UdeM00000025686 XP_022286864.1 62.8 250
 86 4 5 248 3 251 3.10E-82 313.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025687 6573 84.7 UdeM00000025687 XP_021371803.1 25.4 185
 136 2 19 202 178 361 1.70E-13 84.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025688 29159 325.5 UdeM00000025688 XP_011437458.1 66.7 240
 73 3 15 252 15 249 6.20E-86 325.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025689 6596 640.2 UdeM00000025689 XP_045183373.1 64.2 492
 172 3 12 500 11 501 2.20E-180 640.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025693 6596 221.9 UdeM00000025693 XP_045185216.1 56.4 211
 69 3 1 188 1 211 7.30E-55 221.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025694 8005 611.7 UdeM00000025694 XP_035380990.1 50.4 655
 296 7 34 669 1 645 1.40E-171 611.7 8005 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnoto
 idei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000025695 6596 251.1 UdeM00000025695 XP_045164710.1 77.8 158
 32 1 8 162 30 187 9.40E-64 251.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025697 6565 111.7 UdeM00000025697 XP_022299727.1 32.1 196
 111 5 1 174 480 675 9.60E-22 111.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025698 6565 107.1 UdeM00000025698 XP_022299727.1 41.7 139
 79 1 1 137 46 184 1.90E-20 107.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025699 6596 178.7 UdeM00000025699 XP_045209951.1 55.4 168
 70 2 4 166 5 172 6.10E-42 178.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025701 6596 759.2 UdeM00000025701 XP_045210180.1 53.6 716
 315 10 8 719 5 707 4.70E-216 759.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025700 6596 757.7 UdeM00000025700 XP_045210179.1 53.6 709
 312 10 8 712 5 700 1.40E-215 757.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025702 6596 323.2 UdeM00000025702 XP_045201968.1 36.5 427
 256 2 12 423 64 490 5.30E-85 323.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025703 6596 486.5 UdeM00000025703 XP_045201968.1 37.4 652
 338 8 47 678 34 635 5.60E-134 486.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000025704 6573 190.7 UdeM00000025704 XP_021361678.1 40.2 259
 136 5 4 247 3 257 2.30E-45 190.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pecti
 nida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025705 6596 436 UdeM00000025705 XP_045162551.1 62.3 337
 116 4 1 329 1 334 4.20E-119 436 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025706 6565 75.9 UdeM00000025706 XP_022300942.1 61.8 55
 21 0 6 60 106 160 2.20E-11 75.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025707 29159 61.6 UdeM00000025707 XP_011446571.2 37.8 90
 47 2 33 116 199 285 7.80E-07 61.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025708 1250792 148.3 UdeM00000025708 XP_041861569.1 44.2
 165 86 3 3 166 508 667 8.80E-33 148.3 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
 eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani
 UdeM00000025709 6596 839.7 UdeM00000025709 XP_045208923.1 40 1222
 644 23 10 1191 61 1233 4.50E-240 839.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025710 6596 2749.2 UdeM00000025710 XP_045210442.1 45
 3306 1689 51 5 3236 1230 4481 0.00E+00 2749.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025712 6565 67.8 UdeM00000025712 XP_022304826.1 26.3 266
 168 9 26 272 101 357 4.30E-08 67.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025715 6565 66.6 UdeM00000025715 XP_022304826.1 26 304
 181 13 26 299 101 390 8.40E-08 66.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025716 6596 100.5 UdeM00000025716 XP_045209241.1 27.5 349
 213 17 75 388 84 427 1.00E-17 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025717 37621 206.8 UdeM00000025717 XP_014678940.1 62.7 153
 56 1 1 152 499 651 1.90E-50 206.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000025718 6565 146.4 UdeM00000025718 XP_022287645.1 41.9 203
 87 4 24 204 306 499 4.20E-32 146.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025719 6596 154.1 UdeM00000025719 XP_045210442.1 48.8 162
 82 1 33 193 2021 2182 2.20E-34 154.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025720 6565 271.6 UdeM00000025720 XP_022326494.1 66.9 172
 56 1 1 171 2445 2616 7.20E-70 271.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025721 6596 1372.8 UdeM00000025721 XP_045210442.1 41.8
 1864 973 41 1 1791 2657 4481 0.00E+00 1372.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025723 6596 123.6 UdeM00000025723 XP_045209241.1 26.3 452
 276 20 145 553 166 603 1.30E-24 123.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025724 6565 340.9 UdeM00000025724 XP_022287645.1 36.8 538
 217 8 2 440 298 811 2.50E-90 340.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025730 400727 138.7 UdeM00000025730 XP_025100004.1 26.5
 539 338 25 2 514 364 870 3.50E-29 138.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000025731 37621 253.4 UdeM00000025731 XP_014673010.1 52.2 228
 98 4 17 243 123 340 2.90E-64 253.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapulus; Priapulus caudatus
 UdeM00000025732 6565 105.9 UdeM00000025732 XP_022287645.1 55.1 78
 35 0 109 186 282 359 8.00E-20 105.9 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000025734 6573 121.3 UdeM00000025734 XP_021353057.1 61.6 86
 33 0 1 86 1 86 9.10E-25 121.3 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000025735 37621 258.5 UdeM00000025735 XP_014679849.1 49.6 234
 101 5 3 229 394 617 9.10E-66 258.5 37621 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapulus; Priapulus caudatus
 UdeM00000025736 6573 129 UdeM00000025736 XP_021375729.1 43.6 140
 79 0 9 148 224 363 5.10E-27 129 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000025737 37621 216.1 UdeM00000025737 XP_014676916.1 36.2 356
 192 4 232 555 44 396 1.20E-52 216.1 37621 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapulus; Priapulus caudatus
 UdeM00000025738 6596 177.6 UdeM00000025738 XP_045216906.1 41.8 201
 112 4 1 199 154 351 1.60E-41 177.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000025739 7739 131.3 UdeM00000025739 XP_035662552.1 63 92
 34 0 21 112 775 866 7.50E-28 131.3 7739 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma floridae
 UdeM00000025740 6565 86.3 UdeM00000025740 XP_022300575.1 35.7 157
 69 4 280 432 148 276 1.10E-13 86.3 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000025741 6579 91.3 UdeM00000025741 XP_033753599.1 55.6 81
 36 0 3 83 9 89 6.90E-16 91.3 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000025742 6573 152.5 UdeM00000025742 XP_021373558.1 68.3 101
 29 1 2 99 110 210 3.10E-34 152.5 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000025743 6565 243.4 UdeM00000025743 XP_022307464.1 74.8 155
 39 0 2 156 212 366 1.90E-61 243.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000025744 29159 63.5 UdeM00000025744 XP_019923784.2 34.3 102
 64 1 1 102 57 155 2.40E-07 63.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000025745 37621 198 UdeM00000025745 XP_014676916.1 37.1 307
 188 3 35 339 44 347 2.20E-47 198 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000025749 7574 589 UdeM00000025749 XP_013382110.1 48.2 589
 286 7 14 601 45 615 7.00E-165 589 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000025750 7574 646.7 UdeM00000025750 XP_013384628.1 60.4 538
 187 4 1 522 33 560 2.50E-182 646.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000025755 9606 63.2 UdeM00000025755 XP_016881635.1 27.8 255
 160 13 91 327 199 447 1.10E-06 63.2 9606 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Catarri
 ni;Hominoidea;Hominidae;Homininae;Homo;Homo sapiens
 UdeM00000025756 6596 128.3 UdeM00000025756 XP_045209589.1 26.2 423
 265 19 90 470 94 511 4.50E-26 128.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025757 6596 148.3 UdeM00000025757 XP_045210442.1 46.9 162
 85 1 33 193 2021 2182 1.20E-32 148.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025758 6596 1483.4 UdeM00000025758 XP_045210442.1 41
 2076 984 43 1 1872 2443 4481 0.00E+00 1483.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000025759 1047088 84 UdeM00000025759 XP_038194407.1 25.9
 313 197 14 87 378 105 403 6.80E-13 84 1047088
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Cricet
idae;Arvicolinae;Arvicola;Arvicola amphibius

UdeM00000025765 194408 58.9 UdeM00000025765 XP_029428437.1 35.6
87 55 1 87 172 481 567 7.50E-06 58.9 194408
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Rhinatrema
idae;Rhinatrema;Rhinatrema bivittatum

UdeM00000025768 1735272 144.1 UdeM00000025768 XP_041369952.1 45.9
159 82 3 74 231 184 339 2.30E-31 144.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025769 45264 391.3 UdeM00000025769 XP_044165535.1 49.3 367
182 1 1 363 158 524 1.30E-105 391.3 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000025773 6579 93.6 UdeM00000025773 XP_033747087.1 58.1 74
31 0 1 74 380 453 1.20E-16 93.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000025776 6596 122.1 UdeM00000025776 XP_045180427.1 49.2 177
87 2 76 250 98 273 1.10E-24 122.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000025781 6596 64.3 UdeM00000025781 XP_045192251.1 43.5 85
46 2 141 224 337 420 2.30E-07 64.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000025782 6565 162.9 UdeM00000025782 XP_022299727.1 44.4 187
102 1 1 185 46 232 3.90E-37 162.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025783 6596 79.3 UdeM00000025783 XP_045162193.1 39.1 110
61 3 171 275 456 564 8.50E-12 79.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000025785 6596 75.1 UdeM00000025785 XP_045209147.1 30 227
135 10 60 262 105 331 2.50E-10 75.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025786 202533 192.2 UdeM00000025786 XP_035207656.1 40.1
269 113 5 1 223 40 306 7.20E-46 192.2 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000025793 260615 124.4 UdeM00000025793 XP_039385216.1 46.1
180 9 1 1 92 347 526 7.60E-26 124.4 260615
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Geoemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000025796 1735272 83.6 UdeM00000025796 XP_041373383.1 30.6
180 113 5 2 177 131 302 4.20E-13 83.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000025804 6596 84 UdeM00000025804 XP_045162193.1 40 110
59 3 43 146 456 564 5.70E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025805 1529436 145.6 UdeM00000025805 XP_033096403.1 29.5
370 172 9 3 287 97 462 1.00E-31 145.6 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000025808 13164 211.8 UdeM00000025808 XP_022180657.1 46.5 217
110 3 2 214 72 286 8.30E-52 211.8 13164 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;Aphidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Myzus;Myzus persicae

UdeM00000025809 72036 100.9 UdeM00000025809 XP_040576246.1 39.1 179
75 4 1 147 1 177 1.50E-18 100.9 72036 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;Caligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000025812 6596 131.7 UdeM00000025812 XP_045180427.1 37.6 274
116 4 1 220 1 273 1.20E-27 131.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025815 6573 219.2 UdeM00000025815 XP_021346189.1 57.1 189
 75 2 1 187 22 206 4.70E-54 219.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pecti
 nida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000025818 7918 69.3 UdeM00000025818 XP_015206749.1 42.1 76
 39 1 327 402 398 468 1.30E-08 69.3 7918 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Holostei;Semionotiformes;Lepisosteidae
 ;Lepisosteus;Lepisosteus oculatus
 UdeM00000025819 7957 120.9 UdeM00000025819 XP_026107243.1 22.9 611
 414 21 36 629 463 1033 7.40E-24 120.9 7957 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 idei;Cyprinidae;Cyprininae;Carassius;Carassius auratus
 UdeM00000025822 1529436 68.6 UdeM00000025822 XP_033105453.1 41.1
 73 42 1 322 393 385 457 2.10E-08 68.6 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000025825 1676925 79 UdeM00000025825 XP_023686311.1 43.2
 74 42 0 230 303 466 539 1.20E-11 79 1676925
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Osteoglo
 ssocephala;Osteoglossomorpha;Osteoglossiformes;Mormyridae;Paramormyrops;P
 aramormyrops kingsleyae
 UdeM00000025826 7957 97.4 UdeM00000025826 XP_026107243.1 23.5 409
 280 12 154 554 623 1006 8.60E-17 97.4 7957 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 idei;Cyprinidae;Cyprininae;Carassius;Carassius auratus
 UdeM00000025830 202533 298.5 UdeM00000025830 XP_035218899.1 38.2
 406 233 5 7 394 61 466 1.20E-77 298.5 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000025832 42526 72.4 UdeM00000025832 XP_036431265.1 40.6 101
 56 3 37 135 54 152 6.30E-10 72.4 42526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiiformes;Characo
 idei;Serrasalminidae;Colossoma;Colossoma macropomum
 UdeM00000025833 400727 156.4 UdeM00000025833 XP_025100004.1 25.3
 704 456 32 49 722 413 1076 1.80E-34 156.4 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000025834 225164 97.8 UdeM00000025834 XP_009054127.1 27.5
284 186 10 72 348 38 308 4.40E-17 97.8 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
Lottiidae;Lottia;Lottia gigantea

UdeM00000025836 6596 71.6 UdeM00000025836 XP_045202067.1 35.9 92
56 2 303 394 154 242 2.50E-09 71.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025839 8869 71.2 UdeM00000025839 XP_040431567.1 33.7 101
64 2 70 167 234 334 1.40E-09 71.2 8869 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;
Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;
Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;
Galloanserae;Anseriformes;Anatidae;Anserinae;Cygnus;Cygnus olor

UdeM00000025840 7957 118.6 UdeM00000025840 XP_026107245.1 23.3 579
354 22 103 634 280 815 4.20E-23 118.6 7957 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;
Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinoidae;
Cyprinidae;Cyprininae;Carassius;Carassius auratus

UdeM00000025843 6596 65.1 UdeM00000025843 XP_045202067.1 34.7 118
67 4 325 435 123 237 2.60E-07 65.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025844 40690 97.8 UdeM00000025844 XP_033979827.1 25.1 374
261 10 106 467 133 499 4.60E-17 97.8 40690 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;
Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;
Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Notothenioidae;
Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000025847 6596 78.2 UdeM00000025847 XP_045202067.1 38.4 112
66 2 299 409 133 242 2.80E-11 78.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025848 1735272 164.1 UdeM00000025848 XP_041372995.1 25.8
535 325 24 250 755 898 1389 1.00E-36 164.1 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000015374 1735272 723.4 UdeM00000015374 XP_041355741.1 53.9
635 290 3 1 635 1 632 2.80E-205 723.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000015375 6579 489.2 UdeM00000015375 XP_033728575.1 48.6 512
253 5 1 508 186 691 6.50E-135 489.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000015376 6573 480.7 UdeM00000015376 XP_021366122.1 61.8 390
120 5 6 380 6 381 1.80E-132 480.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015378 6596 359.4 UdeM00000015378 XP_045178182.1 73 233
57 2 8 239 345 572 3.70E-96 359.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015377 6596 615.9 UdeM00000015377 XP_045178182.1 74.1 382
93 2 8 388 345 721 3.50E-173 615.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015379 6596 256.5 UdeM00000015379 XP_045178182.1 78.2 142
31 0 1 142 580 721 2.00E-65 256.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000015380 7574 136.3 UdeM00000015380 XP_013398822.1 54.6 108
49 0 36 143 56 163 3.60E-29 136.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000015381 6526 98.6 UdeM00000015381 XP_013089687.1 39.5 129
72 3 395 523 14 136 2.50E-17 98.6 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata

UdeM00000015383 160734 140.2 UdeM00000015383 XP_042343012.1 37.1
197 119 2 34 230 33 224 5.20E-30 140.2 160734
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Serranoides;Serranidae;Epinephelinae;Epinephelini;Plectropomus;Plectropomus leopardus

UdeM00000015384 27687 77 UdeM00000015384 XP_028675435.1 34.8 132
80 2 56 184 248 376 2.80E-11 77 27687 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoichthys calabaricus

UdeM00000015385 1825980 86.3 UdeM00000015385 XP_030397425.1 30.9
181 124 1 80 259 266 446 1.60E-13 86.3 1825980
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Testudinidae;Gopherus;Gopherus evgoodei

UdeM00000015387 6105 82.4 UdeM00000015387 XP_031551840.1 39.2 125
70 2 13 131 120 244 4.70E-13 82.4 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000015388 6596 112.8 UdeM00000015388 XP_045180427.1 39 177
105 2 12 186 98 273 4.90E-22 112.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015389 29159 80.9 UdeM00000015389 XP_034307341.1 35 143
67 2 2 124 48 184 1.30E-12 80.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015390 29159 95.5 UdeM00000015390 XP_034307341.1 41.8 110
54 1 9 108 230 339 9.10E-17 95.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015391 6596 346.3 UdeM00000015391 XP_045177776.1 36.5 633
272 15 9 627 397 913 8.60E-92 346.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015392 6596 337.8 UdeM00000015392 XP_045177776.1 36.3 625
268 15 1 611 405 913 3.00E-89 337.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015393 46731 89 UdeM00000015393 XP_027057405.1 32.2 205
108 6 2 188 6 197 8.30E-15 89 46731 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopora damicornis

UdeM00000015396 5762 88.2 UdeM00000015396 XP_002670566.1 29 255
 164 7 78 316 80 333 2.30E-14 88.2 5762 cellular
 organisms;Eukaryota;Discoba;Heterolobosea;Tetramitida;Eutetramitida;Vahlkampfiidae;Naegleria;Naegleria gruberi
 UdeM00000015397 59861 135.6 UdeM00000015397 XP_045075958.1 42.1 178
 100 2 5 181 17 192 1.00E-28 135.6 59861 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Protacanthopterygii;Salmoniformes;Salmonidae;Coregoninae;Coregonus;Coregonus clupeaformis
 UdeM00000015398 6596 199.5 UdeM00000015398 XP_045177373.1 32.8 344
 212 8 124 454 215 552 9.10E-48 199.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015399 225164 87 UdeM00000015399 XP_009059347.1 39.8
 128 69 4 12 139 125 244 2.10E-14 87 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
 UdeM00000015400 6596 136.3 UdeM00000015400 XP_045211970.1 46.1 154
 75 2 11 159 3 153 3.60E-29 136.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015401 225164 98.6 UdeM00000015401 XP_009059347.1 43
 128 65 4 576 703 125 244 3.40E-17 98.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
 UdeM00000015402 75366 82 UdeM00000015402 XP_016088032.1 38.7 119
 63 4 17 134 146 255 1.30E-12 82 75366 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Cyprininae;Sinocyclocheilus;Sinocyclocheilus grahami
 UdeM00000015403 6596 229.9 UdeM00000015403 XP_045177779.1 31.9 514
 225 9 9 506 89 493 8.80E-57 229.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015404 6596 108.6 UdeM00000015404 XP_045177695.1 44.2 138
 75 2 14 150 244 380 8.40E-21 108.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015405 46731 89.7 UdeM00000015405 XP_027057405.1 32.2 205
 108 6 2 188 6 197 4.90E-15 89.7 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000015408 5762 89.7 UdeM00000015408 XP_002670566.1 29.4 255
 163 7 78 316 80 333 7.80E-15 89.7 5762 cellular
 organisms;Eukaryota;Discoba;Heterolobosea;Tetramitua;Eutetramitua;Vahlkam
 pfiidae;Naegleria;Naegleria gruberi
 UdeM00000015409 9305 129.8 UdeM00000015409 XP_031795232.1 34.9 212
 134 3 2 212 722 930 5.50E-27 129.8 9305 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metather
 ia;Dasyuromorphia;Dasyuridae;Sarcophilus;Sarcophilus harrisii
 UdeM00000015410 6596 239.6 UdeM00000015410 XP_045177372.1 29.4 574
 357 17 12 565 8 553 9.90E-60 239.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015411 6596 1347.8 UdeM00000015411 XP_045180064.1 57.9
 1152 478 7 1 1150 1 1147 0.00E+00 1347.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015412 400727 209.5 UdeM00000015412 XP_025096605.1 52.4
 229 98 4 223 441 184 411 8.50E-51 209.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000015414 6500 127.5 UdeM00000015414 XP_005097528.2 79.3 82
 16 1 1 82 5 85 9.60E-27 127.5 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000015415 6565 77.8 UdeM00000015415 XP_022337731.1 57.6 66
 27 1 20 85 145 209 7.60E-12 77.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015416 6596 333.2 UdeM00000015416 XP_045169901.1 38.7 489
 262 8 205 680 46 509 7.90E-88 333.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015417 6596 485 UdeM00000015417 XP_045211460.1 48.3 493
 247 5 17 507 9 495 1.20E-133 485 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015418 6596 230.7 UdeM00000015418 XP_045211460.1 49.3 227
 113 1 1 227 224 448 1.90E-57 230.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015419 6596 477.6 UdeM00000015419 XP_045211460.1 47.1 499
 258 4 10 507 2 495 1.90E-131 477.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015420 6579 619 UdeM00000015420 XP_033727993.1 54.4 623
 261 4 6 628 10 609 6.60E-174 619 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015421 2652724 168.3 UdeM00000015421 XP_020903442.1 44.9
 205 89 1 9 189 2 206 9.80E-39 168.3 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000015422 105023 218.8 UdeM00000015422 XP_015826526.1 29.5
 597 169 8 1 348 77 670 1.50E-53 218.8 105023
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypselodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothobranchius furzeri
 UdeM00000015423 6596 190.7 UdeM00000015423 XP_045174362.1 44 275
 135 5 1 259 1 272 2.60E-45 190.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015424 6573 87.4 UdeM00000015424 XP_021372908.1 53.1 81
 38 0 1 81 263 343 1.30E-14 87.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015425 6596 477.2 UdeM00000015425 XP_045179232.1 58.6 432
 156 8 3 416 2 428 2.10E-131 477.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000015426 6596 477.2 UdeM00000015426 XP_045178995.1 63.6 401
 126 11 1 395 22 408 2.00E-131 477.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015427 6596 109.8 UdeM00000015427 XP_045179808.1 43.5 138
75 1 8 145 18 152 3.00E-21 109.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015428 6596 126.3 UdeM00000015428 XP_045177564.1 24.9 358
231 6 54 400 183 513 8.60E-26 126.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015429 38674 262.3 UdeM00000015429 XP_036026894.1 42.1 299
147 3 74 372 247 519 9.80E-67 262.3 38674 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Cricetidae;Neotominae;Onychomys;Onychomys torridus

UdeM00000015430 6596 65.5 UdeM00000015430 XP_045177564.1 27.1 188
124 4 37 219 332 511 1.00E-07 65.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015431 6596 354.8 UdeM00000015431 XP_045178126.1 40 472
270 3 1 460 43 513 1.70E-94 354.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015433 6565 122.9 UdeM00000015433 XP_022299727.1 32.9 234
79 4 1 158 46 277 4.90E-25 122.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015434 6565 97.1 UdeM00000015434 XP_022299727.1 41.8 122
68 2 1 120 46 166 1.70E-17 97.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000015437 6596 210.7 UdeM00000015437 XP_045178126.1 33.8 334
208 3 142 463 181 513 4.00E-51 210.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015438 6596 142.9 UdeM00000015438 XP_045177564.1 52.5 139
66 0 1 139 43 181 3.10E-31 142.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015440 37621 202.6 UdeM00000015440 XP_014676916.1 35.4 381
 196 7 100 434 18 394 1.10E-48 202.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000015441 6596 1464.9 UdeM00000015441 XP_045189469.1 43.3
 1883 917 23 31 1816 14 1843 0.00E+00 1464.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015442 6596 1439.5 UdeM00000015442 XP_045189469.1 42.9
 1875 921 23 31 1808 14 1835 0.00E+00 1439.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015443 6596 404.8 UdeM00000015443 XP_045189470.1 46.4 459
 232 5 151 603 271 721 1.90E-109 404.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015445 6596 134 UdeM00000015445 XP_045180032.1 46.4 153
 81 1 156 308 424 575 3.20E-28 134 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015444 6596 309.3 UdeM00000015444 XP_045180034.1 39.9 424
 233 4 122 535 157 568 9.60E-81 309.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015447 6596 167.9 UdeM00000015447 XP_045180032.1 42.3 196
 102 1 21 216 226 410 1.40E-38 167.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015446 29159 67.4 UdeM00000015446 XP_034334906.1 35.8 106
 53 3 5 95 60 165 1.20E-08 67.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015448 6596 387.5 UdeM00000015448 XP_045162063.1 44.8 467
 219 6 14 448 6 465 2.30E-104 387.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015449 6596 172.6 UdeM00000015449 XP_045215484.1 30.6 307
 203 5 1 302 8 309 8.00E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015450 6596 171.8 UdeM00000015450 XP_045215484.1 30.6 307
 203 5 27 328 8 309 1.50E-39 171.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015451 6596 100.5 UdeM00000015451 XP_045179937.1 40.8 130
 72 4 93 219 302 429 2.80E-18 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015452 6565 96.3 UdeM00000015452 XP_022319897.1 44.2 113
 59 4 5 115 206 316 2.80E-17 96.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015454 6596 104.4 UdeM00000015454 XP_045178377.1 39.7 136
 74 3 53 183 534 666 1.60E-19 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015455 6565 262.7 UdeM00000015455 XP_022327962.1 60.1 218
 87 0 9 226 197 414 4.40E-67 262.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015456 6565 110.5 UdeM00000015456 XP_022287645.1 46.8 94
 50 0 1 94 266 359 2.00E-21 110.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015457 6596 95.9 UdeM00000015457 XP_045179680.1 34.1 167
 101 5 14 175 210 372 5.50E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015458 6565 95.9 UdeM00000015458 XP_022319897.1 40.3 129
 73 4 4 130 189 315 4.10E-17 95.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015459 6596 101.7 UdeM00000015459 XP_045179939.1 38 142
 81 4 3 140 241 379 8.00E-19 101.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015460 6596 199.5 UdeM00000015460 XP_045185878.1 37.3 284
175 3 5 288 31 311 8.20E-48 199.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015461 6596 187.6 UdeM00000015461 XP_045187884.1 34.2 348
206 7 3 344 45 375 3.10E-44 187.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015464 29159 112.1 UdeM00000015464 XP_034305577.1 41.2 119
62 3 9 119 6 124 6.10E-22 112.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015466 6596 1316.6 UdeM00000015466 XP_045179564.1 76
893 188 5 70 957 21 892 0.00E+00 1316.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015467 7741 137.1 UdeM00000015467 XP_019613955.1 74 96
22 2 1 95 1 94 1.20E-29 137.1 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000015468 6596 189.1 UdeM00000015468 XP_045204432.1 32.9 295
189 3 1 287 1 294 1.10E-44 189.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015469 225164 94.7 UdeM00000015469 XP_009064742.1 32.3
201 85 6 19 218 21 171 3.00E-16 94.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000015470 225164 94.7 UdeM00000015470 XP_009064742.1 32.3
201 85 6 19 218 21 171 3.00E-16 94.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000015472 6573 87.4 UdeM00000015472 XP_021341113.1 29.8 218
138 6 66 277 17 225 3.10E-14 87.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015473 7741 288.9 UdeM00000015473 XP_019622111.1 51.8 280
132 3 5 283 1 278 7.10E-75 288.9 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
UdeM00000015476 7957 160.2 UdeM00000015476 XP_026080032.1 48.5 163
80 2 110 272 371 529 3.80E-36 160.2 7957 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinoidi;Cyprinidae;Cyprininae;Carassius;Carassius auratus
UdeM00000015475 7957 160.2 UdeM00000015475 XP_026080032.1 48.5 163
80 2 124 286 371 529 4.00E-36 160.2 7957 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinoidi;Cyprinidae;Cyprininae;Carassius;Carassius auratus
UdeM00000015477 6596 160.6 UdeM00000015477 XP_045177778.1 32.6 374
154 10 1 359 405 695 4.60E-36 160.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015478 6596 202.2 UdeM00000015478 XP_045177776.1 45.3 223
117 3 8 229 705 923 7.60E-49 202.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015479 45351 84.7 UdeM00000015479 XP_001623471.2 30.1 206
111 6 10 194 12 205 1.50E-13 84.7 45351 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
UdeM00000015480 6573 105.5 UdeM00000015480 XP_021341113.1 33.3 222
124 9 7 217 17 225 8.60E-20 105.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015481 6596 59.3 UdeM00000015481 XP_045202346.1 37.5 96
56 2 6 100 16 108 3.80E-06 59.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000015482 6596 84.3 UdeM00000015482 XP_045178051.1 26.8 441
231 21 163 533 292 710 5.70E-13 84.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015483 6596 1347.4 UdeM00000015483 XP_045178051.1 57.8
 1650 538 31 44 1593 920 2510 0.00E+00 1347.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015484 6596 1334.7 UdeM00000015484 XP_045178051.1 56.1
 1750 572 36 44 1755 920 2510 0.00E+00 1334.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015485 6596 1385.5 UdeM00000015485 XP_045178051.1 57.8
 1651 541 31 44 1598 920 2510 0.00E+00 1385.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015486 6596 181.8 UdeM00000015486 XP_045183079.1 56.8 148
 63 1 43 190 24 170 8.40E-43 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015487 29159 204.9 UdeM00000015487 XP_011442511.2 63.1 141
 52 0 65 205 26 166 9.80E-50 204.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015488 29159 204.9 UdeM00000015488 XP_011442511.2 63.1 141
 52 0 23 163 26 166 7.80E-50 204.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015489 6596 93.6 UdeM00000015489 XP_045179937.1 38 137
 79 4 149 282 297 430 4.30E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015490 6596 115.2 UdeM00000015490 XP_045179940.1 26.7 360
 220 13 56 386 31 375 1.90E-22 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015493 400727 216.5 UdeM00000015493 XP_025116054.1 31.4
 458 257 10 54 478 453 886 8.20E-53 216.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000015494 400727 256.5 UdeM00000015494 XP_025116054.1 33.2
482 268 9 42 491 427 886 7.30E-65 256.5 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000015495 400727 310.5 UdeM00000015495 XP_025116054.1 33.7
575 321 10 42 569 325 886 4.90E-81 310.5 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000015496 7739 583.2 UdeM00000015496 XP_035696678.1 57.2 481
203 1 2 479 423 903 3.30E-163 583.2 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma floridae
UdeM00000015498 6596 901.4 UdeM00000015498 XP_045178142.1 60.5 731
262 8 39 763 116 825 8.10E-259 901.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000015500 6596 456.1 UdeM00000015500 XP_045178256.1 38.7 782
392 23 132 870 47 784 1.00E-124 456.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000015502 6579 1761.1 UdeM00000015502 XP_033728584.1 53.4
1790 664 31 2 1656 12 1766 0.00E+00 1761.1 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000015503 29159 1902.9 UdeM00000015503 XP_034301310.1 58.8
1715 643 28 1 1688 11 1689 0.00E+00 1902.9
29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000015504 45351 89.7 UdeM00000015504 XP_001623471.2 29.5 220
122 6 10 208 12 219 4.60E-15 89.7 45351 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Actiniaria; Edwardsiidae; Nematostella; Nematostella vectensis
UdeM00000015505 6596 196.4 UdeM00000015505 XP_045177776.1 45.2 228
120 3 28 254 700 923 4.90E-47 196.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000015506 6596 170.6 UdeM00000015506 XP_045177778.1 37.7 316
 152 9 1 285 405 706 3.20E-39 170.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015507 6596 246.9 UdeM00000015507 XP_045176664.1 32.8 543
 312 15 44 556 32 551 6.20E-62 246.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015508 151771 742.7 UdeM00000015508 XP_028414839.1 39.3
 1072 576 24 142 1171 115 1153 7.60E-211 742.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000015509 63436 206.8 UdeM00000015509 XP_043469808.1 31.3 386
 225 8 131 486 43 418 6.90E-50 206.8 63436 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
 sitoida;Cynipoidea;Figitidae;Eucoilinae;Leptopilina;Leptopilina
 heterotoma

UdeM00000015511 6596 115.9 UdeM00000015511 XP_045176094.1 42.3 137
 78 1 15 151 81 216 5.20E-23 115.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015512 6596 144.1 UdeM00000015512 XP_045177053.1 39.1 192
 111 3 12 200 188 376 2.30E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015513 6596 151.4 UdeM00000015513 XP_045176664.1 42.6 188
 101 4 17 200 381 565 1.20E-33 151.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015514 6596 229.2 UdeM00000015514 XP_045176664.1 31.4 506
 293 13 44 518 32 514 1.80E-56 229.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015515 29159 325.9 UdeM00000015515 XP_034303626.1 52.9 314
 67 3 9 242 73 385 4.90E-86 325.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000015516 29159 621.3 UdeM00000015516 XP_034303626.1 73.1 390
 103 2 1 389 8 396 1.50E-174 621.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000015517 6596 1535 UdeM00000015517 XP_045180107.1 52.4 1554
 665 20 26 1531 38 1564 0.00E+00 1535 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015518 6596 172.6 UdeM00000015518 XP_045204903.1 43.3 233
 109 6 32 247 7 233 6.50E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015519 6596 172.6 UdeM00000015519 XP_045204903.1 43.3 233
 109 6 32 247 7 233 6.50E-40 172.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015520 6573 154.8 UdeM00000015520 XP_021354137.1 39.9 208
 113 2 38 233 26 233 1.30E-34 154.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015521 6573 157.5 UdeM00000015521 XP_021354137.1 45.8 177
 92 2 64 236 20 196 2.30E-35 157.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015522 6596 297 UdeM00000015522 XP_045192227.1 42 381
 166 4 19 346 59 437 3.20E-77 297 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015523 36300 102.8 UdeM00000015523 XP_009484969.1 47.2 108
 56 1 5 112 69 175 2.90E-19 102.8 36300 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Pelecaniformes;Pelecanidae;Pelecanus;Pelecanus crispus
 UdeM00000015524 6573 183 UdeM00000015524 XP_021354137.1 44.8 232
 119 4 50 272 2 233 5.30E-43 183 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015525 6573 443 UdeM00000015525 XP_021365807.1 39.7 619
 330 11 39 642 42 632 7.70E-121 443 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015526 6573 446 UdeM00000015526 XP_021365807.1 40.4 627
 319 14 39 644 42 634 8.80E-122 446 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015527 6573 448 UdeM00000015527 XP_021365807.1 40 625
 330 13 25 636 42 634 2.30E-122 448 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015528 6573 449.9 UdeM00000015528 XP_021365807.1 40.4 621
 327 11 39 644 42 634 1.50E-122 449.9 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015529 6565 225.3 UdeM00000015529 XP_022324363.1 47.3 243
 110 3 100 336 206 436 1.10E-55 225.3 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000015530 6565 225.3 UdeM00000015530 XP_022324363.1 47.3 243
 110 3 228 464 206 436 1.60E-55 225.3 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000015531 6596 66.2 UdeM00000015531 XP_045189898.1 33.5 158
 93 3 43 199 2145 2291 6.20E-08 66.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconcha; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
 UdeM00000015532 7574 85.1 UdeM00000015532 XP_013410773.1 35.9 145
 80 4 105 245 117 252 1.60E-13 85.1 7574 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina
 UdeM00000015533 6573 344.7 UdeM00000015533 XP_021365807.1 34.9 624
 288 15 39 577 42 632 2.20E-91 344.7 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015534 6573 321.2 UdeM00000015534 XP_021365807.1 35 594
 278 15 39 557 42 602 2.60E-84 321.2 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015535 6579 287.7 UdeM00000015535 XP_033728164.1 34.4 584
 252 17 48 520 47 610 3.00E-74 287.7 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000015536 6573 193.7 UdeM00000015536 XP_021365807.1 33.5 394
 173 8 23 333 97 484 4.00E-46 193.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015537 6579 100.5 UdeM00000015537 XP_033728164.1 29.8 252
 145 7 36 270 40 276 4.10E-18 100.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015538 6573 361.3 UdeM00000015538 XP_021365807.1 36.9 591
 296 16 37 580 42 602 2.30E-96 361.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015539 34632 90.1 UdeM00000015539 XP_037501585.1 38.2 170
 92 5 68 235 105 263 4.80E-15 90.1 34632 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Rhipicephal
 us;Rhipicephalus sanguineus group;Rhipicephalus sanguineus
 UdeM00000015540 6573 304.3 UdeM00000015540 XP_021365807.1 35.8 536
 262 12 39 519 42 550 3.00E-79 304.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015541 6565 183.7 UdeM00000015541 XP_022324363.1 32.6 374
 192 8 10 363 102 435 4.10E-43 183.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015542 6573 85.5 UdeM00000015542 XP_021365807.1 29.4 214
 130 3 15 222 81 279 9.50E-14 85.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015543 34632 90.1 UdeM00000015543 XP_037501585.1 37.6 170
 93 5 32 199 105 263 4.20E-15 90.1 34632 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Rhipicephal
 us;Rhipicephalus sanguineus group;Rhipicephalus sanguineus
 UdeM00000015544 6573 358.2 UdeM00000015544 XP_021365807.1 36.9 591
 283 14 39 569 42 602 1.90E-95 358.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015545 6565 181.4 UdeM00000015545 XP_022324363.1 32.1 374
 194 8 10 363 102 435 2.00E-42 181.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015546 6573 97.1 UdeM00000015546 XP_021365807.1 28.9 242
 150 4 37 271 42 268 4.50E-17 97.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015547 6573 304.3 UdeM00000015547 XP_021365807.1 35.8 536
262 12 39 519 42 550 3.00E-79 304.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015548 6565 148.7 UdeM00000015548 XP_022324395.1 30.4 365
173 7 5 325 107 434 1.30E-32 148.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000015549 6596 65.1 UdeM00000015549 XP_045208737.1 26.9 186
112 6 47 223 32 202 1.30E-07 65.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000015550 34632 90.1 UdeM00000015550 XP_037501585.1 37.6 170
93 5 68 235 105 263 4.80E-15 90.1 34632 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Rhipicephal
us;Rhipicephalus sanguineus group;Rhipicephalus sanguineus
UdeM00000015551 6573 403.3 UdeM00000015551 XP_021365807.1 39.6 591
306 14 39 608 42 602 5.60E-109 403.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015552 6565 183 UdeM00000015552 XP_022324363.1 32.4 374
193 8 10 363 102 435 7.00E-43 183 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000015553 6573 99 UdeM00000015553 XP_021365807.1 28.9 253
158 4 17 262 42 279 9.80E-18 99 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015554 34632 90.1 UdeM00000015554 XP_037501585.1 37.6 170
93 5 32 199 105 263 4.20E-15 90.1 34632 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Rhipicephal
us;Rhipicephalus sanguineus group;Rhipicephalus sanguineus
UdeM00000015555 6573 360.9 UdeM00000015555 XP_021365807.1 37.2 591
294 16 39 582 42 602 3.10E-96 360.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000015556 6565 150.2 UdeM00000015556 XP_022324395.1 29.9 374
181 7 10 339 98 434 4.70E-33 150.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000015557 6573 97.1 UdeM00000015557 XP_021365807.1 28.9 242
 150 4 37 271 42 268 4.50E-17 97.1 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015558 6573 304.3 UdeM00000015558 XP_021365807.1 35.8 536
 262 12 39 519 42 550 3.00E-79 304.3 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015559 6579 161.4 UdeM00000015559 XP_033728164.1 28.7 439
 199 8 34 364 59 491 2.40E-36 161.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000015560 6579 99.4 UdeM00000015560 XP_033728164.1 31 245
 135 7 26 251 47 276 7.50E-18 99.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000015561 34632 68.6 UdeM00000015561 XP_037501585.1 32.9 170
 94 5 68 228 105 263 1.50E-08 68.6 34632 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Acari; Parasitifo
 rmes; Ixodida; Ixodoidea; Ixodidae; Rhipicephalinae; Rhipicephalus; Rhipicephal
 us; Rhipicephalus sanguineus group; Rhipicephalus sanguineus
 UdeM00000015562 6573 403.3 UdeM00000015562 XP_021365807.1 39.6 591
 306 14 39 608 42 602 5.60E-109 403.3 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015563 6565 183 UdeM00000015563 XP_022324363.1 32.4 374
 193 8 10 363 102 435 7.00E-43 183 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000015564 6573 98.6 UdeM00000015564 XP_021365807.1 28.9 253
 158 4 37 282 42 279 1.40E-17 98.6 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000015566 27405 71.2 UdeM00000015566 XP_042871187.1 29.8 151
 89 5 8 148 60 203 1.50E-09 71.2 27405 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Mul
 ticrustacea; Malacostraca; Eumalacostraca; Eucarida; Decapoda; Dendrobranchiat
 a; Penaeoidea; Penaeidae; Penaeus; Penaeus japonicus
 UdeM00000015567 6573 106.7 UdeM00000015567 XP_021365807.1 45.9 109
 50 3 8 110 497 602 2.20E-20 106.7 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000015568 6565 202.2 UdeM00000015568 XP_022324363.1 33.4 374
 188 7 4 355 102 436 1.10E-48 202.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015569 6573 435.3 UdeM00000015569 XP_021365807.1 40 623
 323 14 39 640 42 634 1.40E-118 435.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015570 6596 569.3 UdeM00000015570 XP_045177776.1 39.8 810
 451 12 120 925 166 942 9.80E-159 569.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015571 225164 104.4 UdeM00000015571 XP_009058199.1 52.3
 107 44 2 1 107 1 100 9.40E-20 104.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000015572 225164 76.3 UdeM00000015572 XP_009051767.1 39.3
 140 72 6 12 141 5 141 3.90E-11 76.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000015573 225164 84.7 UdeM00000015573 XP_009051767.1 36.1
 133 82 3 526 655 11 143 5.70E-13 84.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000015575 1735272 268.9 UdeM00000015575 XP_041374042.1 47.8
 301 152 2 5 300 1 301 8.00E-69 268.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015574 1735272 268.9 UdeM00000015574 XP_041374042.1 47.8
 301 152 2 43 338 1 301 9.00E-69 268.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000015576 6596 1136.7 UdeM00000015576 XP_045179020.1 75.2
 733 166 3 2 734 4 720 0.00E+00 1136.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015577 6596 1147.1 UdeM00000015577 XP_045179020.1 76.5
 722 165 2 2 723 4 720 0.00E+00 1147.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015578 6596 254.2 UdeM00000015578 XP_045178590.1 52.7 264
 117 4 13 272 13 272 1.90E-64 254.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015579 6596 314.3 UdeM00000015579 XP_045177957.1 45.6 450
 199 9 1 415 81 519 2.40E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015580 6573 97.4 UdeM00000015580 XP_021339625.1 37 146
 89 2 65 209 257 400 2.40E-17 97.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015581 6565 130.6 UdeM00000015581 XP_022334997.1 44.7 152
 79 3 6 154 29 178 3.00E-27 130.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015582 6565 98.6 UdeM00000015582 XP_022334993.1 39.5 119
 71 1 35 152 97 215 7.80E-18 98.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015584 2607531 94.7 UdeM00000015584 XP_029649883.1 36.3
 237 96 11 365 586 757 953 4.80E-16 94.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000015585 7574 221.9 UdeM00000015585 XP_023932112.1 41.3 271
 150 3 5 266 1 271 1.00E-54 221.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000015586 7574 122.9 UdeM00000015586 XP_023932112.1 45 140
 74 2 27 166 315 451 7.10E-25 122.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000015587 7574 81.6 UdeM00000015587 XP_023932112.1 42.4 99
 54 2 1 99 356 451 1.40E-12 81.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000015588 55291 134.8 UdeM00000015588 XP_039595270.1 58.3 120
40 3 124 235 136 253 1.40E-28 134.8 55291 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Cladistia;Polypteriformes;Polypteridae;Polypterus;Polypterus senegalus

UdeM00000015589 55291 133.7 UdeM00000015589 XP_039595270.1 58 119
36 3 125 231 137 253 3.10E-28 133.7 55291 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Cladistia;Polypteriformes;Polypteridae;Polypterus;Polypterus senegalus

UdeM00000015592 6596 170.2 UdeM00000015592 XP_045183393.1 60.1 138
53 1 64 199 19 156 2.60E-39 170.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015593 6596 149.1 UdeM00000015593 XP_045198903.1 47.7 197
94 4 10 200 7 200 6.30E-33 149.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015594 6596 149.1 UdeM00000015594 XP_045198903.1 47.7 197
94 4 3 193 7 200 6.10E-33 149.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015595 6596 738 UdeM00000015595 XP_045177732.1 55.4 626
275 4 41 663 39 663 1.00E-209 738 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015596 6596 738 UdeM00000015596 XP_045177732.1 55.4 626
275 4 15 637 39 663 9.90E-210 738 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015597 6596 724.9 UdeM00000015597 XP_045196444.1 46.9 772
374 10 1 753 1 755 1.00E-205 724.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015598 6596 3594.7 UdeM00000015598 XP_045179896.1 66.3
2717 851 22 490 3159 22 2720 0.00E+00 3594.7 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044337 6596 134 UdeM00000044337 XP_045201815.1 31.5 327
180 8 1 314 4 299 3.20E-28 134 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042602 8090 526.2 UdeM00000042602 XP_023808293.1 42.8 664
323 5 2 608 50 713 6.30E-146 526.2 8090 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Belontiiformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias latipes

UdeM00000042605 2652724 108.6 UdeM00000042605 XP_020914302.1 37.6
181 109 3 1 178 7 186 1.60E-20 108.6 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000042606 6596 216.9 UdeM00000042606 XP_045161905.1 54.3 184
83 1 1 184 1 183 2.50E-53 216.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042607 6596 217.6 UdeM00000042607 XP_045185723.1 36.7 362
201 7 7 361 455 795 2.60E-53 217.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042610 6596 366.3 UdeM00000042610 XP_045197754.1 78.6 220
47 0 3 222 252 471 3.00E-98 366.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042611 6596 364.8 UdeM00000042611 XP_045197754.1 78.5 219
47 0 7 225 253 471 8.80E-98 364.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042612 29159 250 UdeM00000042612 XP_034307341.1 38 345
195 5 3 332 5 345 5.00E-63 250 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042613 6596 59.7 UdeM00000042613 XP_045185535.1 27.8 133
89 3 6 131 73 205 3.30E-06 59.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042614 70779 95.1 UdeM00000042614 XP_015774235.1 52.2 92
42 1 21 112 2579 2668 6.10E-17 95.1 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000042615 29159 1770.4 UdeM00000042615 XP_034324865.1 30.6
4136 2579 111 2 4018 163 4127 0.00E+00 1770.4
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042616 400727 164.1 UdeM00000042616 XP_025088800.1 61.7
120 42 1 85 200 11 130 1.90E-37 164.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000042617 2607531 155.6 UdeM00000042617 XP_036366827.1 64.2
106 38 0 4 109 78 183 3.60E-35 155.6 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000042619 6596 206.8 UdeM00000042619 XP_045199522.1 50.8 185
79 2 61 233 100 284 2.90E-50 206.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042620 6596 208.8 UdeM00000042620 XP_045199522.1 48.8 213
98 3 14 222 79 284 7.30E-51 208.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042621 6573 379.8 UdeM00000042621 XP_021352618.1 51.6 401
96 3 1 401 1 303 4.30E-102 379.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042622 6573 223.4 UdeM00000042622 XP_021352618.1 68.5 149
47 0 4 152 155 303 2.00E-55 223.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042623 6596 239.6 UdeM00000042623 XP_045199522.1 55.7 185
79 1 16 197 100 284 3.40E-60 239.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042625 6579 521.2 UdeM00000042625 XP_033741126.1 55.6 480
168 7 3 463 333 786 1.60E-144 521.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042626 37653 105.1 UdeM00000042626 XP_014770921.1 76.6 64
15 0 1 64 790 853 3.60E-20 105.1 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000042627 1735272 836.6 UdeM00000042627 XP_041351723.1 72
568 140 2 6 557 11 575 1.80E-239 836.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042628 6596 131 UdeM00000042628 XP_045196901.1 63 92
34 0 1 92 7 98 1.20E-27 131 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042631 6596 208.4 UdeM00000042631 XP_045196901.1 47.2 229
91 1 26 254 205 403 1.10E-50 208.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042630 6596 307 UdeM00000042630 XP_045196901.1 52.4 288
107 1 26 313 205 462 2.80E-80 307 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042632 29159 431.4 UdeM00000042632 XP_011435683.2 58.8 369
140 3 1 362 1 364 1.30E-117 431.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042633 6596 241.1 UdeM00000042633 XP_045196892.1 88.3 128
15 0 1 128 39 166 7.70E-61 241.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042634 6565 232.6 UdeM00000042634 XP_022293175.1 43.9 278
143 3 12 287 9 275 6.20E-58 232.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042635 6565 232.6 UdeM00000042635 XP_022293175.1 43.9 278
143 3 44 319 9 275 6.90E-58 232.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042637 6596 132.5 UdeM00000042637 XP_045177976.1 25.3 332
233 9 16 338 5 330 1.00E-27 132.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042639 6573 184.9 UdeM00000042639 XP_021352638.1 28.1 700
414 21 33 684 68 726 3.50E-43 184.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042640 6565 213.4 UdeM00000042640 XP_022289238.1 31.3 504
267 12 2 443 19 505 6.00E-52 213.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042641 6596 177.2 UdeM00000042641 XP_045196450.1 58.6 145
51 2 174 318 728 863 3.40E-41 177.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042642 6596 146 UdeM00000042642 XP_045196450.1 48.1 183
80 3 111 279 402 583 7.30E-32 146 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042645 6596 552 UdeM00000042645 XP_045195357.1 50.9 505
246 2 4 507 46 549 8.60E-154 552 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042646 6596 208 UdeM00000042646 XP_045195357.1 26.3 552
166 4 4 330 46 581 1.90E-50 208 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042647 6596 242.7 UdeM00000042647 XP_045195422.1 32.6 399
247 8 23 412 131 516 8.50E-61 242.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000040859 6596 133.7 UdeM00000040859 XP_045201952.1 40.8 196
106 7 22 210 601 793 2.80E-28 133.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040860 6596 81.6 UdeM00000040860 XP_045204915.1 37.1 132
67 4 4 120 491 621 1.40E-12 81.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040861 6105 80.1 UdeM00000040861 XP_031574328.1 41.7 96
48 2 1 88 54 149 2.10E-12 80.1 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000040862 6596 87.4 UdeM00000040862 XP_045201952.1 42.7 117
54 4 132 240 681 792 2.70E-14 87.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040863 1735272 337.8 UdeM00000040863 XP_041373377.1 38.8
412 248 2 1 410 1 410 2.00E-89 337.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040864 6596 424.9 UdeM00000040864 XP_045208439.1 60.8 314
121 1 3 316 28 339 9.90E-116 424.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040865 6579 147.9 UdeM00000040865 XP_033758606.1 61.2 103
36 1 5 103 396 498 7.20E-33 147.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040866 29159 89.4 UdeM00000040866 XP_034329650.1 47.2 72
38 0 2 73 307 378 2.10E-15 89.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040867 6579 159.1 UdeM00000040867 XP_033731739.1 68.6 105
33 0 1 105 188 292 3.20E-36 159.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040868 6573 101.7 UdeM00000040868 XP_021352044.1 64.8 71
25 0 1 71 1 71 4.10E-19 101.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040869 1735272 209.9 UdeM00000040869 XP_041373846.1 34.6
358 153 3 10 318 13 338 4.70E-51 209.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000040870 6596 560.8 UdeM00000040870 XP_045209189.1 53.6 511
203 5 13 499 22 522 1.70E-156 560.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040871 6596 558.9 UdeM00000040871 XP_045209189.1 55.2 484
190 6 34 515 64 522 6.70E-156 558.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040872 6565 158.7 UdeM00000040872 XP_022328252.1 44.5 211
99 5 1 193 1105 1315 7.50E-36 158.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040873 6596 538.9 UdeM00000040873 XP_045209189.1 54 483
191 6 35 511 65 522 7.10E-150 538.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040875 260995 84.7 UdeM00000040875 XP_033812940.1 51.3
78 37 1 1 78 1 77 6.80E-14 84.7 260995
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
e;Geotrypetes;Geotrypetes seraphini
UdeM00000040874 1415580 204.1 UdeM00000040874 XP_030075314.1 44.4
252 90 4 1 203 1 251 1.60E-49 204.1 1415580
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor
UdeM00000040876 1415580 280.8 UdeM00000040876 XP_030075314.1 48.1
324 141 4 3 323 326 625 2.20E-72 280.8 1415580
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
e;Microcaecilia;Microcaecilia unicolor
UdeM00000040877 1735272 1023.8 UdeM00000040877 XP_041372826.1
52.5 908 412 8 11 915 28 919 1.30E-295 1023.8
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000040878 6596 632.9 UdeM00000040878 XP_045207290.1 71.4 433
124 0 23 455 203 635 3.30E-178 632.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040879 6596 924.1 UdeM00000040879 XP_045207290.1 73.1 625
161 3 15 637 16 635 1.00E-265 924.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040880 6579 391.7 UdeM00000040880 XP_033758448.1 40.5 481
248 7 31 501 3 455 1.40E-105 391.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040881 6573 171.8 UdeM00000040881 XP_021367145.1 34 312
156 9 73 369 47 323 1.60E-39 171.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040882 6565 88.2 UdeM00000040882 XP_022328322.1 31.2 189
106 6 1 181 1 173 1.20E-14 88.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040883 6596 486.1 UdeM00000040883 XP_045208432.1 49.2 772
269 8 177 945 14 665 1.00E-133 486.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040884 6596 441.4 UdeM00000040884 XP_045208431.1 47.1 433
224 4 48 477 163 593 1.40E-120 441.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040885 6596 127.1 UdeM00000040885 XP_045208431.1 53.3 120
50 1 10 129 9 122 1.90E-26 127.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040886 6596 699.5 UdeM00000040886 XP_045208432.1 64.5 668
214 8 9 660 5 665 4.00E-198 699.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040887 6596 223.4 UdeM00000040887 XP_045207507.1 54.3 199
91 0 1 199 28 226 2.70E-55 223.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042815 6596 197.2 UdeM00000042815 XP_045177500.1 64.6 161
 49 4 29 184 70 227 1.80E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042816 6596 260.4 UdeM00000042816 XP_045177500.1 66.2 210
 63 4 13 217 21 227 2.10E-66 260.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042818 6573 194.9 UdeM00000042818 XP_021346189.1 53.1 179
 78 2 1 177 34 208 8.80E-47 194.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042819 6573 218 UdeM00000042819 XP_021346189.1 55.5 191
 79 2 1 189 22 208 1.00E-53 218 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042817 6573 249.2 UdeM00000042817 XP_021346189.1 57.5 212
 84 2 51 260 1 208 5.80E-63 249.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042824 6596 443.7 UdeM00000042824 XP_045178416.1 45.3 541
 279 8 1235 1761 7 544 1.20E-120 443.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042825 6596 98.2 UdeM00000042825 XP_045162203.1 57.7 78
 33 0 13 90 1435 1512 5.80E-18 98.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042827 6579 652.1 UdeM00000042827 XP_033728194.1 51.2 637
 302 3 19 646 334 970 7.60E-184 652.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042828 215358 85.9 UdeM00000042828 XP_010732894.1 51.9
 77 37 0 38 114 230 306 7.10E-14 85.9 215358
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Eupercaria incertae sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000042830 29159 471.1 UdeM00000042830 XP_034303986.1 66.4 333
110 2 2 333 239 570 1.20E-129 471.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042831 6596 351.3 UdeM00000042831 XP_045177776.1 38.5 551
302 10 38 562 397 936 3.20E-93 351.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042832 6579 677.2 UdeM00000042832 XP_033727988.1 59.6 572
223 4 1 569 1 567 1.90E-191 677.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042833 6596 161 UdeM00000042833 XP_045215232.1 58.8 131
53 1 2 132 342 471 1.50E-36 161 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042834 6596 128.6 UdeM00000042834 XP_045215232.1 44 150
81 2 6 153 160 308 6.70E-27 128.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042835 29159 181 UdeM00000042835 XP_034330943.1 49.4 174
79 4 6 179 16 180 1.30E-42 181 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042840 6596 228.8 UdeM00000042840 XP_045177779.1 30.8 483
227 6 14 477 89 483 1.50E-56 228.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042841 6596 114 UdeM00000042841 XP_045177776.1 44.1 136
71 3 214 348 792 923 4.00E-22 114 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042842 45351 85.9 UdeM00000042842 XP_001623471.2 29.7 219
117 6 10 208 12 213 6.80E-14 85.9 45351 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000042843 45351 88.2 UdeM00000042843 XP_001623471.2 30.7 205
108 5 10 191 12 205 1.40E-14 88.2 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
UdeM00000042844 6579 291.2 UdeM00000042844 XP_033728980.1 55 269
115 3 8 270 5 273 1.40E-75 291.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042845 6596 447.6 UdeM00000042845 XP_045208070.1 38.1 614
352 10 43 633 39 647 2.70E-122 447.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042846 6573 843.2 UdeM00000042846 XP_021351883.1 69.6 598
173 3 1 589 10 607 2.80E-241 843.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042847 6573 843.2 UdeM00000042847 XP_021351883.1 69.6 598
173 3 1 589 10 607 2.70E-241 843.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042848 6596 828.6 UdeM00000042848 XP_045179990.1 67.6 621
174 2 1 594 10 630 6.70E-237 828.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042849 6573 104.4 UdeM00000042849 XP_021351893.1 51.2 121
57 1 11 131 15 133 1.30E-19 104.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042850 6596 1941.4 UdeM00000042850 XP_045179945.1 75.4
1260 308 2 2 1259 132 1391 0.00E+00 1941.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042851 6596 439.5 UdeM00000042851 XP_045204802.1 64 331
118 1 59 389 54 383 4.40E-120 439.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042852 6573 148.7 UdeM00000042852 XP_021367848.1 40.8 213
112 7 20 228 24 226 9.20E-33 148.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042853 6596 753.4 UdeM00000042853 XP_045178052.1 33.9 2184
1065 77 1 2014 162 2137 7.20E-214 753.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042854 6579 69.3 UdeM00000042854 XP_033749334.1 46.9 64
34 0 43 106 19 82 3.30E-09 69.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042855 6596 207.6 UdeM00000042855 XP_045178372.1 66.4 143
48 0 1 143 1 143 1.10E-50 207.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042856 6565 626.7 UdeM00000042856 XP_022325836.1 78.1 397
86 1 1 397 1 396 2.00E-176 626.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042857 1735272 478.8 UdeM00000042857 XP_041374629.1 57.4
425 173 3 28 452 7 423 7.80E-132 478.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042859 6596 113.2 UdeM00000042859 XP_045174482.1 27.5 396
226 17 5 353 2 383 6.60E-22 113.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042860 6596 167.5 UdeM00000042860 XP_045181277.1 33.6 289
174 8 130 406 139 421 3.40E-38 167.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024221 225164 97.8 UdeM00000024221 XP_009054455.1 20.7
468 343 7 1 463 95 539 3.90E-17 97.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000024222 225164 97.8 UdeM00000024222 XP_009054455.1 20.7
468 343 7 1 463 95 539 3.90E-17 97.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000024223 1735272 104 UdeM00000024223 XP_041350837.1 28.5
284 185 8 9 291 184 450 3.50E-19 104 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024224 225164 97.8 UdeM00000024224 XP_009054455.1 20.7
468 343 7 1 463 95 539 3.90E-17 97.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000024226 225164 59.3 UdeM00000024226 XP_009051961.1 27.5
153 103 2 1 153 23 167 8.90E-06 59.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000024225 225164 97.8 UdeM00000024225 XP_009054455.1 20.7
468 343 7 1 463 95 539 3.90E-17 97.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000024227 225164 97.8 UdeM00000024227 XP_009054455.1 20.7
468 343 7 1 463 95 539 3.90E-17 97.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000024230 6579 419.5 UdeM00000024230 XP_033748359.1 39.8 598
339 9 317 894 100 696 1.30E-113 419.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024232 6579 122.9 UdeM00000024232 XP_033742811.1 44.6 121
65 2 17 137 6 124 3.30E-25 122.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024233 6573 482.6 UdeM00000024233 XP_021361309.1 44.2 541
281 12 1 526 183 717 6.40E-133 482.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024234 6596 256.9 UdeM00000024234 XP_045204791.1 31.6 632
346 13 140 715 141 742 7.50E-65 256.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024235 6565 147.5 UdeM00000024235 XP_022325593.1 47.3 129
68 0 11 139 584 712 1.30E-32 147.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024236 6579 287.7 UdeM00000024236 XP_033742805.1 43 379
189 6 1 362 1 369 2.10E-74 287.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024237 6573 73.2 UdeM00000024237 XP_021338963.1 29.9 204
123 10 215 409 152 344 9.10E-10 73.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024238 6579 1223.8 UdeM00000024238 XP_033742010.1 45.8
1490 736 21 4 1443 28 1496 0.00E+00 1223.8 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024241 6579 383.3 UdeM00000024241 XP_033742008.1 35.9 691
399 7 2 649 5 694 6.40E-103 383.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024242 6565 370.5 UdeM00000024242 XP_022321693.1 36.6 620
366 9 1 614 7 605 4.00E-99 370.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024244 29159 326.6 UdeM00000024244 XP_034322590.1 46.3 382
166 10 5 353 7 382 4.00E-86 326.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024245 6565 633.3 UdeM00000024245 XP_022321699.1 43.5 780
411 13 19 794 676 1429 4.30E-178 633.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024246 6565 1099.3 UdeM00000024246 XP_022321699.1 41.2
1470 769 25 5 1422 3 1429 0.00E+00 1099.3 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024247 1735272 381.3 UdeM00000024247 XP_041358190.1 60.5
610 240 1 101 710 192 800 2.90E-102 381.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024248 6596 991.5 UdeM00000024248 XP_045203680.1 54.4 991
367 10 1 973 1 924 7.60E-286 991.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000024249 6565 1649 UdeM00000024249 XP_022320863.1 81.7 1039
157 9 85 1116 14 1026 0.00E+00 1649 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024250 105023 280.4 UdeM00000024250 XP_015828284.1 35.5
468 272 8 40 491 122 575 4.40E-72 280.4 105023

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Cypriodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothobranchius furzeri

UdeM00000024251 6596 318.5 UdeM00000024251 XP_045211214.1 31.3 712
428 15 36 698 31 730 2.10E-83 318.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024252 400727 94 UdeM00000024252 XP_025108466.1 51.2
82 40 0 45 126 102 183 1.90E-16 94 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000024253 6596 207.2 UdeM00000024253 XP_045211214.1 37.3 308
171 7 50 343 31 330 3.30E-50 207.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024254 6596 85.1 UdeM00000024254 XP_045211214.1 28.3 212
129 6 82 271 530 740 1.50E-13 85.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024258 48498 281.2 UdeM00000024258 XP_020613056.1 43.5 317
170 3 31 344 34 344 1.90E-72 281.2 48498 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata

UdeM00000024259 7668 77.8 UdeM00000024259 XP_030841875.1 51.6 64
30 1 3 66 71 133 9.70E-12 77.8 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000024261 6596 309.3 UdeM00000024261 XP_045205082.1 70.5 224
64 2 67 288 175 398 5.20E-81 309.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024260 6596 369 UdeM00000024260 XP_045205083.1 56.7 367
 142 9 52 403 22 386 7.70E-99 369 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024262 6573 70.1 UdeM00000024262 XP_021364087.1 48.6 74
 36 2 46 118 97 169 2.50E-09 70.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024263 6573 903.7 UdeM00000024263 XP_021365573.1 54.1 886
 377 12 1 869 1 873 1.90E-259 903.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024264 6596 116.7 UdeM00000024264 XP_045205677.1 60.2 88
 35 0 1 88 1 88 2.60E-23 116.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024267 6573 311.6 UdeM00000024267 XP_021365623.1 55.7 802
 298 16 56 826 326 1101 3.00E-81 311.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024268 6573 377.1 UdeM00000024268 XP_021365644.1 61 336
 129 1 1 334 1 336 2.40E-101 377.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024269 6573 262.7 UdeM00000024269 XP_021365644.1 64.1 206
 74 0 1 206 1 206 4.20E-67 262.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024270 6596 181.4 UdeM00000024270 XP_045205678.1 69.3 114
 35 0 1 114 1 114 1.20E-42 181.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024271 6596 252.7 UdeM00000024271 XP_045205678.1 35.8 847
 381 21 1 803 1 728 2.50E-63 252.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024273 29159 94.7 UdeM00000024273 XP_011427008.1 43.4 122
 66 3 3 124 24 142 9.90E-17 94.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024272 29159 94.7 UdeM00000024272 XP_011427008.1 43.4 122
 66 3 35 156 24 142 1.20E-16 94.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024274 1676925 99.8 UdeM00000024274 XP_023659896.1 43.4
 145 78 3 4 145 13 156 3.30E-18 99.8 1676925
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossoccephalai;Osteoglo
 ssocephala;Osteoglossomorpha;Osteoglossiformes;Mormyridae;Paramormyrops;P
 aramormyrops kingsleyae
 UdeM00000024275 6412 119.8 UdeM00000024275 XP_009013108.1 39.9 148
 86 3 3 150 6 150 3.00E-24 119.8 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000024279 6573 299.3 UdeM00000024279 XP_021360273.1 70.3 185
 55 0 344 528 249 433 9.90E-78 299.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024280 6596 312 UdeM00000024280 XP_045203338.1 66.1 227
 56 4 736 955 41 253 2.70E-81 312 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024282 7574 442.2 UdeM00000024282 XP_013411263.1 72.5 284
 73 2 1 284 53 331 5.20E-121 442.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000024283 29159 67.4 UdeM00000024283 XP_034302502.1 50.7 69
 29 1 102 170 453 516 2.10E-08 67.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024284 6596 381.3 UdeM00000024284 XP_045205661.1 53.8 340
 154 3 74 413 142 478 1.50E-102 381.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024285 6596 363.6 UdeM00000024285 XP_045205661.1 50 350
 171 3 30 377 126 473 3.00E-97 363.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024286 6596 342.8 UdeM00000024286 XP_045205661.1 50.8 329
 159 2 74 400 149 476 5.90E-91 342.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024288 6596 479.9 UdeM00000024288 XP_045203971.1 65.2 339
116 1 8 346 4 340 2.90E-132 479.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024287 6596 479.2 UdeM00000024287 XP_045203971.1 65.2 339
116 1 8 346 4 340 5.00E-132 479.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024289 70779 68.6 UdeM00000024289 XP_015759381.1 34.4 93
61 0 1 93 450 542 6.30E-09 68.6 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000024290 48498 113.2 UdeM00000024290 XP_020610409.1 38.4 172
100 4 1 171 474 640 3.30E-22 113.2 48498 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata

UdeM00000024291 6596 136.7 UdeM00000024291 XP_045205379.1 37.4 211
114 4 20 218 101 305 7.10E-29 136.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024292 400727 981.5 UdeM00000024292 XP_025077533.1 74.6
627 158 1 9 635 10 635 5.10E-283 981.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000024293 225164 87 UdeM00000024293 XP_009056717.1 29.3
198 114 6 12 187 11 204 4.90E-14 87 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000024295 7739 243.4 UdeM00000024295 XP_035659254.1 38.7 362
203 6 1 353 579 930 4.30E-61 243.4 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000024297 6596 88.2 UdeM00000024297 XP_045171063.1 45.6 90
48 1 8 96 3 92 7.20E-15 88.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024299 46514 101.7 UdeM00000024299 XP_038075930.1 28.6 252
 154 6 76 309 563 806 1.70E-18 101.7 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000024301 225164 83.2 UdeM00000024301 XP_009056717.1 30
 210 123 7 11 208 11 208 6.80E-13 83.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000024300 225164 83.2 UdeM00000024300 XP_009056717.1 30
 210 123 7 11 208 11 208 7.00E-13 83.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000024307 6579 87 UdeM00000024307 XP_033744254.1 30.4 431
 247 13 1 417 1 392 6.00E-14 87 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024308 6579 291.2 UdeM00000024308 XP_033743450.1 29.2 833
 490 23 1 784 39 820 4.00E-75 291.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024309 6596 358.6 UdeM00000024309 XP_045205408.1 72.3 220
 57 1 13 232 708 923 6.10E-96 358.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024310 6596 721.5 UdeM00000024310 XP_045205408.1 60.3 716
 253 10 35 737 21 718 1.50E-204 721.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024311 225164 112.1 UdeM00000024311 XP_009059898.1 42.7
 211 113 4 3 208 5 212 8.70E-22 112.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000024312 1735272 783.5 UdeM00000024312 XP_041356757.1 53.2
 739 332 4 14 745 14 745 2.50E-223 783.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024313 6596 811.2 UdeM00000024313 XP_045204173.1 78.7 511
 105 2 4 511 2 511 7.60E-232 811.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024315 6596 568.2 UdeM00000024315 XP_045204171.1 79.4 345
69 2 8 352 9 351 7.60E-159 568.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024314 6596 808.1 UdeM00000024314 XP_045204171.1 78 513
108 3 8 517 9 519 6.50E-231 808.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024316 6565 60.8 UdeM00000024316 XP_022299727.1 51.7 58
28 0 1 58 261 318 8.90E-07 60.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024317 6565 140.6 UdeM00000024317 XP_022299727.1 41.7 187
88 2 1 166 46 232 1.80E-30 140.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024318 6596 393.7 UdeM00000024318 XP_045184046.1 40.1 524
292 7 19 531 23 535 4.10E-106 393.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024319 6579 412.1 UdeM00000024319 XP_033743350.1 56.4 326
134 4 3 321 4457 4781 6.30E-112 412.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024320 6579 406.8 UdeM00000024320 XP_033743350.1 56.8 324
133 4 4 320 4458 4781 2.60E-110 406.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024330 6565 540.4 UdeM00000024330 XP_022326984.1 69.4 614
154 8 1 594 1 600 2.80E-150 540.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024332 1735272 332.8 UdeM00000024332 XP_041357317.1 55.1
285 127 1 27 311 452 735 4.70E-88 332.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024331 29159 746.9 UdeM00000024331 XP_011422427.2 57.4 617
258 2 1190 1805 120 732 6.00E-212 746.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024331 29159 164.1 UdeM00000024331 XP_011422427.2 59.8 122
49 0 15 136 3 124 1.70E-36 164.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024334 29159 454.5 UdeM00000024334 XP_011422421.2 45.7 556
221 7 3 548 5 489 2.00E-124 454.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024337 6596 856.3 UdeM00000024337 XP_045203227.1 71.8 570
158 3 1 569 2 569 2.30E-245 856.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024338 6526 532.3 UdeM00000024338 XP_013075347.1 79.7 311
63 0 1 311 35 345 4.20E-148 532.3 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria glabrata
UdeM00000024339 6596 105.5 UdeM00000024339 XP_045203622.1 27.4 525
317 8 238 756 348 814 3.60E-19 105.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024341 6579 164.9 UdeM00000024341 XP_033742664.1 48.6 216
95 4 7 222 959 1158 1.30E-37 164.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000024342 6573 161.8 UdeM00000024342 XP_021360219.1 50.5 192
82 3 56 247 974 1152 1.20E-36 161.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000024343 29159 302 UdeM00000024343 XP_011431769.1 78.5 177
37 1 7 183 22 197 5.60E-79 302 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024344 6596 244.6 UdeM00000024344 XP_045204569.1 66.3 184
62 0 1 184 1 184 1.00E-61 244.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024345 6596 339.3 UdeM00000024345 XP_045204566.1 60.1 263
105 0 1 263 1 263 4.20E-90 339.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024347 6596 446 UdeM00000024347 XP_045203781.1 34.3 752
430 15 2 695 94 839 8.50E-122 446 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024348 45264 236.5 UdeM00000024348 XP_044180638.1 41.4 295
145 5 415 685 84 374 1.00E-58 236.5 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000024349 6596 602.1 UdeM00000024349 XP_045203781.1 44.2 722
356 11 14 691 123 841 9.20E-169 602.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024351 6596 144.4 UdeM00000024351 XP_045203725.1 40.7 162
96 0 36 197 24 185 1.60E-31 144.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024353 6596 125.2 UdeM00000024353 XP_045203724.1 37.6 173
106 2 1 171 1 173 8.20E-26 125.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024352 6596 142.9 UdeM00000024352 XP_045203724.1 36.8 204
127 2 1 202 1 204 4.60E-31 142.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024354 29159 102.4 UdeM00000024354 XP_034339171.1 29.6 223
128 8 92 296 424 635 1.00E-18 102.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024355 29159 187.6 UdeM00000024355 XP_034331441.1 38.7 266
155 6 3 266 591 850 2.10E-44 187.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024367 6565 84.3 UdeM00000024367 XP_022320112.1 41.7 132
68 5 1 132 189 311 1.20E-13 84.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024368 6565 82 UdeM00000024368 XP_022320112.1 40 130
 65 5 1 129 189 306 6.30E-13 82 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024370 7054 211.8 UdeM00000024370 XP_031328250.1 44.8 261
 140 3 1 259 1 259 1.00E-51 211.8 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000024371 6573 219.2 UdeM00000024371 XP_021362144.1 81.6 125
 23 0 40 164 1 125 4.00E-54 219.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024372 6596 820.1 UdeM00000024372 XP_045205734.1 56.8 660
 282 2 1 660 1 657 2.10E-234 820.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003991 6596 792.3 UdeM00000003991 XP_045164179.1 84.7 476
 67 5 1 472 40 513 3.30E-226 792.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003992 118141 419.1 UdeM00000003992 XP_036376299.1 66.9
 314 103 1 1 313 1 314 5.20E-114 419.1 118141
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;E
 lopomorpha;Elopiformes;Megalopidae;Megalops;Megalops cyprinoides
 UdeM00000003993 6565 302.4 UdeM00000003993 XP_022300351.1 58.5 289
 89 6 163 450 198 456 9.80E-79 302.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004008 6573 449.5 UdeM00000004008 XP_021376498.1 46.5 441
 217 4 98 531 27 455 5.90E-123 449.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004009 6596 362.5 UdeM00000004009 XP_045166618.1 46.6 539
 234 15 4 501 863 1388 8.90E-97 362.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004010 6565 205.3 UdeM00000004010 XP_022297382.1 46.3 910
 356 15 1 823 1 864 3.10E-49 205.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000004011 6596 589.3 UdeM00000004011 XP_045178236.1 41.5 833
402 22 8 773 251 1065 7.20E-165 589.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000004012 6596 154.1 UdeM00000004012 XP_045178233.1 47.4 154
78 1 22 172 86 239 1.80E-34 154.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000004014 6565 518.1 UdeM00000004014 XP_022306197.1 45.1 697
294 14 9 646 16 682 1.60E-143 518.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000004016 7757 482.3 UdeM00000004016 XP_032817105.1 92.2 257
20 0 1 257 120 376 4.00E-133 482.3 7757 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Cyclostomata; Hyperoartia; Petromyzontiformes; Petromyzontidae; Petromyzon; Petromyzon marinus
UdeM00000004017 7739 113.6 UdeM00000004017 XP_035689070.1 77.8 72
16 0 1 72 1 72 1.30E-22 113.6 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma floridae
UdeM00000004029 6596 119.4 UdeM00000004029 XP_045167332.1 60.7 107
37 1 50 151 490 596 4.10E-24 119.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000004030 6596 366.7 UdeM00000004030 XP_045167332.1 41.2 804
378 19 44 790 13 778 7.40E-98 366.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000004031 6596 253.4 UdeM00000004031 XP_045167332.1 49.4 312
123 5 3 281 469 778 3.30E-64 253.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000004032 6579 1268.8 UdeM00000004032 XP_033745775.1 48.4
1482 668 25 1 1462 1 1406 0.00E+00 1268.8 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000004033 6596 59.7 UdeM00000004033 XP_045191304.1 24.6 317
 198 8 1 296 1 297 8.80E-06 59.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004035 1735272 131.3 UdeM00000004035 XP_041360711.1 34.7
 199 117 3 2 198 3 190 1.50E-27 131.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004036 6565 101.3 UdeM00000004036 XP_022297828.1 40.1 147
 77 5 1 139 1 144 1.10E-18 101.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004037 6573 787.3 UdeM00000004037 XP_021372396.1 27.3 2565
 1560 73 10 2373 11 2472 5.30E-224 787.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004038 6579 575.1 UdeM00000004038 XP_033761495.1 78.3 336
 73 0 36 371 24 359 1.10E-160 575.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004039 45351 109.4 UdeM00000004039 XP_001639687.2 38.9 190
 84 10 83 246 432 615 1.30E-20 109.4 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000004041 45351 151 UdeM00000004041 XP_001639687.2 35.6 303
 152 6 79 341 432 731 4.80E-33 151 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000004042 45351 148.7 UdeM00000004042 XP_001639687.2 36.5 288
 143 5 10 257 621 908 2.00E-32 148.7 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000004051 6596 188 UdeM00000004051 XP_045165600.1 31.2 560
 304 21 12 523 19 545 3.30E-44 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004053 6596 111.3 UdeM00000004053 XP_045165600.1 26.4 588
 305 28 4 526 11 535 3.80E-21 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004054 6596 71.2 UdeM00000004054 XP_045165600.1 29.5 241
 152 8 23 248 89 326 2.70E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004055 6596 109.4 UdeM00000004055 XP_045165600.1 27.6 588
290 27 4 518 11 535 1.40E-20 109.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004056 6596 82.4 UdeM00000004056 XP_045165600.1 26.8 321
168 10 4 262 11 326 1.20E-12 82.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004057 6596 97.4 UdeM00000004057 XP_045165600.1 26 489
273 20 32 487 103 535 5.20E-17 97.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004059 6579 106.7 UdeM00000004059 XP_033744278.1 46.4 110
46 1 1 97 726 835 2.70E-20 106.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004061 29159 326.2 UdeM00000004061 XP_011451264.1 52.6 365
152 8 1 354 248 602 5.00E-86 326.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004062 6596 537.7 UdeM00000004062 XP_045165666.1 64.7 385
136 0 2 386 7 391 1.20E-149 537.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004063 6596 195.7 UdeM00000004063 XP_045165256.1 65.9 129
42 1 1 129 1 127 3.80E-47 195.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004065 6596 213 UdeM00000004065 XP_045165256.1 71.3 129
35 1 1 129 1 127 2.30E-52 213 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004066 6596 223.8 UdeM00000004066 XP_045165256.1 76 129
29 1 1 129 1 127 1.30E-55 223.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004067 225164 211.5 UdeM00000004067 XP_009065699.1 70.3
128 36 1 1 128 1 126 6.50E-52 211.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000004068 1529436 143.7 UdeM00000004068 XP_033118623.1 48.4
128 66 0 52 179 62 189 2.50E-31 143.7 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000004069 6573 172.6 UdeM00000004069 XP_021343345.1 56.7 127
55 0 3 129 2 128 3.40E-40 172.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004070 29159 179.9 UdeM00000004070 XP_034308282.1 60.3 126
50 0 3 128 7 132 2.10E-42 179.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004071 1735272 201.4 UdeM00000004071 XP_041378581.1 68.2
129 41 0 1 129 1 129 6.80E-49 201.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004072 6573 193 UdeM00000004072 XP_021343304.1 64.3 126
45 0 3 128 8 133 2.40E-46 193 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004073 6573 193 UdeM00000004073 XP_021343304.1 64.3 126
45 0 3 128 8 133 2.40E-46 193 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004074 1735272 194.9 UdeM00000004074 XP_041378581.1 65.1
129 45 0 1 129 1 129 6.40E-47 194.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004075 1735272 196.1 UdeM00000004075 XP_041378581.1 65.1
129 45 0 1 129 1 129 2.90E-47 196.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004076 1735272 191.4 UdeM00000004076 XP_041378581.1 62
129 49 0 1 129 1 129 7.00E-46 191.4 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004078 1735272 192.6 UdeM00000004078 XP_041378581.1 64.3
129 46 0 1 129 1 129 3.20E-46 192.6 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004080 29159 183.3 UdeM00000004080 XP_034308282.1 62.2 127
48 0 3 129 6 132 2.00E-43 183.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004081 29159 180.3 UdeM00000004081 XP_034308282.1 62.2 127
48 0 3 129 6 132 1.70E-42 180.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004082 29159 179.1 UdeM00000004082 XP_034308282.1 60.6 127
50 0 3 129 6 132 3.70E-42 179.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004083 6596 181.4 UdeM00000004083 XP_045164742.1 58.5 123
51 0 11 133 8 130 7.60E-43 181.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004084 1735272 179.1 UdeM00000004084 XP_041378581.1 62.3
122 46 0 1 122 1 122 3.50E-42 179.1 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004085 6573 184.1 UdeM00000004085 XP_021343351.1 63.5 126
46 0 3 128 5 130 1.10E-43 184.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004086 6579 184.9 UdeM00000004086 XP_033745937.1 63.3 128
47 0 1 128 6 133 6.50E-44 184.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004087 6579 182.2 UdeM00000004087 XP_033745937.1 62.2 127
48 0 3 129 7 133 4.60E-43 182.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004088 6579 182.6 UdeM00000004088 XP_033745937.1 62.2 127
48 0 3 129 7 133 3.30E-43 182.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004089 6579 194.5 UdeM00000004089 XP_033745936.1 66.1 124
42 0 4 127 10 133 8.20E-47 194.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004090 6596 228.4 UdeM00000004090 XP_045164204.1 38.7 318
179 5 1 316 104 407 1.30E-56 228.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004091 6573 200.3 UdeM00000004091 XP_021343311.1 64.5 155
55 0 1 155 1 155 1.80E-48 200.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004092 29159 316.6 UdeM00000004092 XP_034317111.1 55.8 283
124 1 2 283 171 453 3.20E-83 316.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004093 400727 361.7 UdeM00000004093 XP_025106704.1 83.4
205 34 0 10 214 51 255 6.50E-97 361.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000004094 6596 629.4 UdeM00000004094 XP_045165961.1 79.6 363
73 1 9 370 9 371 2.90E-177 629.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004095 6596 636 UdeM00000004095 XP_045165960.1 76.5 400
94 0 7 406 4 403 3.50E-179 636 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004097 9244 66.2 UdeM00000004097 XP_030315266.1 38.2 102
59 1 63 164 142 239 4.80E-08 66.2 9244 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Caprimulgimorphae;Apodiformes;Trochilidae;Calypte;Calypte anna

UdeM00000004098 586833 70.9 UdeM00000004098 XP_029917460.1 38.9
90 53 1 82 171 160 247 2.20E-09 70.9 586833
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Holocentrimorphaceae;Holocentriformes;Holocentridae;Myripristinae;Myripristis;Myripristis murdjan

UdeM00000004099 29159 426.8 UdeM00000004099 XP_011444398.2 45.9 529
254 11 1 517 1 509 4.10E-116 426.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004100 1735272 199.1 UdeM00000004100 XP_041348532.1 66.7
135 45 0 19 153 9 143 4.10E-48 199.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004101 1735272 198.7 UdeM00000004101 XP_041348532.1 67.2
134 44 0 1 134 10 143 4.70E-48 198.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004102 6596 1219.5 UdeM00000004102 XP_045164464.1 59.9
1051 339 9 1 1011 1 1009 0.00E+00 1219.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004103 1735272 503.8 UdeM00000004103 XP_041378793.1 53.1
463 203 3 3 462 2 453 2.30E-139 503.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004104 1735272 130.2 UdeM00000004104 XP_041378771.1 80.8
73 14 0 3 75 2 74 1.50E-27 130.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004105 1735272 505.4 UdeM00000004105 XP_041378793.1 52.9
463 204 3 3 462 2 453 7.90E-140 505.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004106 1735272 505.4 UdeM00000004106 XP_041378793.1 52.9
463 204 3 3 462 2 453 7.90E-140 505.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004107 1735272 505.4 UdeM00000004107 XP_041378793.1 52.9
463 204 3 3 462 2 453 7.90E-140 505.4 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004108 1735272 505.4 UdeM00000004108 XP_041378793.1 52.9
463 204 3 3 462 2 453 7.90E-140 505.4 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004109 1735272 505 UdeM00000004109 XP_041378793.1 52.9
463 204 3 3 462 2 453 1.00E-139 505 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004110 6596 405.6 UdeM00000004110 XP_045165597.1 47.3 491
236 9 1 474 38 522 8.90E-110 405.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004111 6596 295.8 UdeM00000004111 XP_045165597.1 63.3 218
78 1 1 218 50 265 4.60E-77 295.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004112 6596 59.3 UdeM00000004112 XP_045165597.1 66.7 42
14 0 1 42 481 522 1.90E-06 59.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004113 6596 486.9 UdeM00000004113 XP_045165597.1 51.7 526
226 12 7 512 5 522 3.30E-134 486.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004114 6596 214.9 UdeM00000004114 XP_045165597.1 40.5 341
178 8 3 322 186 522 1.50E-52 214.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004115 7906 332 UdeM00000004115 XP_034763505.1 47.7 386
91 3 1 282 1 379 7.30E-88 332 7906 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipen
seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000004116 6596 235.3 UdeM00000004116 XP_045165597.1 59.9 187
72 2 5 191 3 186 6.50E-59 235.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004117 6596 172.6 UdeM00000004117 XP_045165597.1 36.9 350
170 11 3 314 186 522 8.60E-40 172.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004118 7913 270.4 UdeM00000004118 XP_041082893.1 71.4 185
53 0 1 185 1 185 1.80E-69 270.4 7913 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidei;Polyodontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula

UdeM00000004119 7913 155.2 UdeM00000004119 XP_041082893.1 70.1 107
32 0 1 107 205 311 5.10E-35 155.2 7913 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidei;Polyodontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula

UdeM00000004121 6596 138.7 UdeM00000004121 XP_045165597.1 46.8 154
73 2 1 147 35 186 6.50E-30 138.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004120 6596 173.7 UdeM00000004120 XP_045165597.1 48.7 187
86 3 5 184 3 186 2.30E-40 173.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004122 6596 179.9 UdeM00000004122 XP_045165597.1 37.5 341
171 10 3 305 186 522 5.20E-42 179.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004123 7913 271.2 UdeM00000004123 XP_041082893.1 71.4 185
53 0 1 185 1 185 1.00E-69 271.2 7913 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidei;Polyodontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula

UdeM00000004124 7913 155.2 UdeM00000004124 XP_041082893.1 70.1 107
32 0 1 107 205 311 5.10E-35 155.2 7913 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidei;Polyodontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula

UdeM00000004125 6596 174.1 UdeM00000004125 XP_045165597.1 48.7 187
86 3 5 184 3 186 1.70E-40 174.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004126 6565 193.7 UdeM00000004126 XP_022295767.1 44.7 257
134 7 9 261 276 528 3.20E-46 193.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004130 6945 85.1 UdeM00000004130 XP_040069682.2 26.2 187
120 4 6 181 37 216 1.70E-13 85.1 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000004131 69820 86.3 UdeM00000004131 XP_022832055.1 51.4 70
34 0 2 71 1 70 1.80E-14 86.3 69820 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;Noctuidae;Amphipyrrinae;Spodoptera;Spodoptera litura

UdeM00000004132 6573 104.4 UdeM00000004132 XP_021365166.1 51 100
48 1 1 100 605 703 9.60E-20 104.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004133 2607531 374.4 UdeM00000004133 XP_029634809.1 44.3
431 237 2 42 472 53 480 2.10E-100 374.4 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000004134 7604 137.9 UdeM00000004134 XP_033647171.1 54.3 105
48 0 74 178 73 177 1.30E-29 137.9 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatacida;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000004135 29159 68.2 UdeM00000004135 XP_034329456.1 49.3 71
31 1 23 93 451 516 7.00E-09 68.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004136 6596 373.6 UdeM00000004136 XP_045164966.1 59.1 318
121 4 5 316 2 316 2.40E-100 373.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004137 6596 912.5 UdeM00000004137 XP_045164972.1 67.8 633
204 0 45 677 41 673 3.10E-262 912.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004138 6579 1126.7 UdeM00000004138 XP_033744964.1 73.3
 709 174 5 11 706 10 716 0.00E+00 1126.7 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004139 6596 194.9 UdeM00000004139 XP_045164977.1 70.1 127
 38 0 1 127 495 621 6.30E-47 194.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004140 6596 963.8 UdeM00000004140 XP_045164527.1 66.9 724
 227 5 28 748 13 726 1.30E-277 963.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004141 1735272 613.6 UdeM00000004141 XP_041350390.1 44.3
 734 372 12 9 731 7 714 3.50E-172 613.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004146 6596 156 UdeM00000004146 XP_045165177.1 54.8 177
 75 4 1 176 1 173 4.50E-35 156 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004147 6579 516.5 UdeM00000004147 XP_033745928.1 52.5 512
 230 4 1 512 774 1272 3.80E-143 516.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004148 6596 1323.9 UdeM00000004148 XP_045165040.1 81
 752 135 2 1 751 1 745 0.00E+00 1323.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004149 6596 133.7 UdeM00000004149 XP_045164463.1 82.4 74
 13 0 1 74 1 74 1.00E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004150 6596 618.6 UdeM00000004150 XP_045165697.1 85.2 351
 49 1 1 348 4 354 5.00E-174 618.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004151 6573 771.2 UdeM00000004151 XP_021343325.1 59 786
 270 15 1 760 1 760 1.30E-219 771.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004152 6596 567 UdeM00000004152 XP_045166528.1 75.4 350
 84 2 6 355 4 351 1.70E-158 567 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004153 6579 297 UdeM00000004153 XP_033745415.1 45.3 360
 176 8 30 376 135 486 3.50E-77 297 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004154 6579 312 UdeM00000004154 XP_033745415.1 42.8 421
 212 11 49 450 76 486 1.20E-81 312 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004155 400727 410.6 UdeM00000004155 XP_025107430.1 76.5
 260 61 0 1 260 1 260 1.50E-111 410.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000004156 6596 317 UdeM00000004156 XP_045165388.1 72.9 218
 56 2 1 215 1 218 3.00E-83 317 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004157 8154 105.5 UdeM00000004157 XP_026015163.1 52.6 95
 45 0 1 95 1 95 5.60E-20 105.5 8154 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African
 cichlids;Pseudocrenilabrinae;Haplochromini;Astatotilapia;Astatotilapia
 calliptera
 UdeM00000004159 6579 687.6 UdeM00000004159 XP_033757810.1 66.9 540
 164 8 1 536 1 529 1.30E-194 687.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004160 6579 657.9 UdeM00000004160 XP_033757810.1 65.9 536
 168 10 1 528 1 529 1.10E-185 657.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004161 6579 439.1 UdeM00000004161 XP_033746229.1 90.9 241
 22 0 1 241 1 241 3.60E-120 439.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004162 6596 260.4 UdeM00000004162 XP_045166298.1 56.2 260
 101 6 1 258 1 249 2.50E-66 260.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004163 6596 203.4 UdeM00000004163 XP_045165661.1 52 202
 97 0 26 227 2 203 3.10E-49 203.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004164 6596 199.9 UdeM00000004164 XP_045165661.1 51 202
 99 0 3 204 2 203 3.10E-48 199.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004165 6596 196.8 UdeM00000004165 XP_045165661.1 50.5 202
 100 0 3 204 2 203 2.60E-47 196.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004166 6596 201.4 UdeM00000004166 XP_045165661.1 51.5 202
 98 0 3 204 2 203 1.10E-48 201.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004167 29159 185.7 UdeM00000004167 XP_011444849.1 50.2 203
 97 3 4 204 3 203 1.30E-43 185.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004168 225164 567.8 UdeM00000004168 XP_009065715.1 58.7
 489 147 9 1 456 1 467 1.30E-158 567.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000004170 6596 255 UdeM00000004170 XP_045165952.1 60.7 214
 75 2 1 205 1 214 8.20E-65 255 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004171 6573 461.1 UdeM00000004171 XP_021360731.1 58 388
 161 2 68 453 12 399 1.70E-126 461.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000004172 46514 72.8 UdeM00000004172 XP_038073135.1 36.1 97
56 1 1 97 393 483 2.70E-10 72.8 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000004173 6573 454.1 UdeM00000004173 XP_021360731.1 56.1 387
165 2 31 416 17 399 1.90E-124 454.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000004174 6573 466.1 UdeM00000004174 XP_021360731.1 59.7 387
148 4 40 422 17 399 4.80E-128 466.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000004175 6579 206.8 UdeM00000004175 XP_033746397.1 40 245
145 1 1 243 1 245 3.30E-50 206.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000004176 6579 205.3 UdeM00000004176 XP_033746397.1 40.4 245
144 1 1 243 1 245 9.30E-50 205.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000004177 6579 209.1 UdeM00000004177 XP_033746397.1 39.3 242
147 0 4 245 4 245 6.80E-51 209.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004179 6596 402.9 UdeM00000004179 XP_045189775.1 50.2 438
199 5 1 423 1 434 5.40E-109 402.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004180 6596 231.9 UdeM00000004180 XP_045166212.1 72.8 147
40 0 4 150 6 152 5.50E-58 231.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004182 6596 392.5 UdeM00000004182 XP_045164803.1 56.5 345
126 2 157 501 45 365 8.00E-106 392.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004183 1735272 634.4 UdeM00000004183 XP_041356266.1 53.4
581 261 4 12 589 35 608 1.40E-178 634.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004184 6596 154.5 UdeM00000004184 XP_045185048.1 35 260
129 5 7 250 8 243 2.10E-34 154.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004185 6596 389 UdeM00000004185 XP_045166628.1 64.7 306
108 0 9 314 13 318 6.00E-105 389 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004186 1735272 260 UdeM00000004186 XP_041374634.1 67.2
177 53 2 1 172 1 177 2.10E-66 260 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004187 6596 573.2 UdeM00000004187 XP_045165415.1 62 432
162 1 8 437 32 463 3.00E-160 573.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004188 6565 172.6 UdeM00000004188 XP_022301338.1 60.9 133
48 2 11 142 8 137 5.30E-40 172.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004189 6596 112.5 UdeM00000004189 XP_045165831.1 58.6 99
34 2 1 93 240 337 7.10E-22 112.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004191 6596 194.9 UdeM00000004191 XP_045164596.1 44.9 245
111 6 1914 2148 760 990 1.10E-45 194.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004192 6596 404.4 UdeM00000004192 XP_045164596.1 51.5 406
173 6 1914 2309 760 1151 9.40E-109 404.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004193 6596 115.5 UdeM00000004193 XP_045164597.1 41.1 141
 70 1 2 142 3 130 1.80E-22 115.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004199 6579 798.1 UdeM00000004199 XP_033745763.1 71.2 535
 153 1 10 543 11 545 6.90E-228 798.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004200 6596 145.6 UdeM00000004200 XP_045167175.1 88 83
 10 0 1 83 1 83 4.40E-32 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004201 400727 1090.1 UdeM00000004201 XP_025107859.1
 79.3 721 131 9 1 713 1 711 0.00E+00 1090.1
 400727 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000004202 6596 598.6 UdeM00000004202 XP_045165418.1 77.5 383
 86 0 90 472 50 432 7.40E-168 598.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004203 45264 410.2 UdeM00000004203 XP_044165143.1 64.7 289
 102 0 119 407 137 425 3.00E-111 410.2 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000004204 45264 172.9 UdeM00000004204 XP_044184031.1 48.7 191
 88 5 1 185 300 486 3.70E-40 172.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000004206 6596 97.1 UdeM00000004206 XP_045180326.1 39.6 144
 82 1 11 154 32 170 2.80E-17 97.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004207 6596 58.9 UdeM00000004207 XP_045215232.1 48.2 56
 27 2 4 58 7 61 3.10E-06 58.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004209 6596 979.2 UdeM00000004209 XP_045166520.1 60.2 866
 305 10 31 859 128 990 3.40E-282 979.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004210 6596 300.8 UdeM00000004210 XP_045164479.1 39.7 469
 260 13 50 513 54 504 3.30E-78 300.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004211 6596 124.8 UdeM00000004211 XP_045166480.1 25.6 430
 258 10 16 392 10 430 2.60E-25 124.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004212 6596 318.5 UdeM00000004212 XP_045164951.1 43.6 463
 215 10 8 446 6 446 1.50E-83 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004213 6596 146 UdeM00000004213 XP_045164967.1 51.7 116
 56 0 8 123 10 125 3.80E-32 146 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004214 6596 108.6 UdeM00000004214 XP_045176269.1 26.3 289
 207 5 215 497 87 375 2.30E-20 108.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004215 6596 150.2 UdeM00000004215 XP_045204491.1 27.7 361
 247 7 9 365 14 364 6.10E-33 150.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004216 29159 155.6 UdeM00000004216 XP_034310284.1 35.4 223
 127 6 3 218 10 222 1.50E-34 155.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004217 6596 142.5 UdeM00000004217 XP_045201254.1 24.1 374
 275 5 14 381 17 387 1.20E-30 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004218 6565 159.1 UdeM00000004218 XP_022297250.1 26.1 345
 239 7 21 357 7 343 1.30E-35 159.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004219 400727 278.5 UdeM00000004219 XP_025082235.1 60.3
 310 109 3 1 296 1 310 1.00E-71 278.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000004220 6596 344 UdeM00000004220 XP_045166324.1 73.3 236
 63 0 1 236 94 329 1.60E-91 344 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004221 6596 115.2 UdeM00000004221 XP_045173436.1 43.3 150
 70 2 14 158 71 210 2.30E-22 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004223 6596 545 UdeM00000004223 XP_045164752.1 73.5 385
 96 4 1 383 1 381 7.40E-152 545 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004224 6945 84.3 UdeM00000004224 XP_040065097.1 28.5 193
 112 4 59 225 85 277 2.90E-13 84.3 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000004225 6573 564.3 UdeM00000004225 XP_021369873.1 66.7 393
 128 2 5 397 4 393 1.20E-157 564.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004226 6596 77 UdeM00000004226 XP_045164863.1 40.9 171
 95 2 1 166 8 177 2.60E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004227 6596 79 UdeM00000004227 XP_045164863.1 40.8 174
 97 2 4 172 5 177 7.10E-12 79 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004228 6579 132.9 UdeM00000004228 XP_033746043.1 91.2 68
 6 0 1 68 5 72 1.60E-28 132.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004229 6596 157.9 UdeM00000004229 XP_045164854.1 52.2 157
65 1 13 159 20 176 1.60E-35 157.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004230 6596 297 UdeM00000004230 XP_045164854.1 61 392
146 2 85 476 178 562 4.40E-77 297 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004231 6596 270 UdeM00000004231 XP_045164390.1 44.8 705
309 12 1 633 1 697 7.60E-69 270 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004232 6596 241.9 UdeM00000004232 XP_045165390.1 39 687
284 24 253 908 12 594 3.20E-60 241.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004233 6596 329.7 UdeM00000004233 XP_045164514.1 89.5 190
15 2 1 187 1 188 2.40E-87 329.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004234 29159 1155.6 UdeM00000004234 XP_034304860.1 65.4
887 270 9 65 919 293 1174 0.00E+00 1155.6
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004235 6579 769.2 UdeM00000004235 XP_033746194.1 88.2 399
47 0 1 399 1 399 5.30E-219 769.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004236 6596 1370.9 UdeM00000004236 XP_045164932.1 86
774 105 3 1 772 455 1227 0.00E+00 1370.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004237 6579 511.5 UdeM00000004237 XP_033746198.1 56.5 448
194 1 1 447 60 507 1.10E-141 511.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000004238 6565 175.6 UdeM00000004238 XP_022299190.1 53.9 167
77 0 10 176 11 177 5.40E-41 175.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000004239 6565 167.2 UdeM00000004239 XP_022299190.1 53.8 160
74 0 1 160 18 177 1.80E-38 167.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000004240 10224 567.4 UdeM00000004240 XP_006823495.1 60.7 468
182 2 3 469 4 470 1.70E-158 567.4 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000004241 10224 561.2 UdeM00000004241 XP_006823495.1 60.5 468
182 3 3 468 4 470 1.20E-156 561.2 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000004243 6596 444.1 UdeM00000004243 XP_045165918.1 63.3 313
102 2 3 302 20 332 1.70E-121 444.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004244 6565 137.9 UdeM00000004244 XP_022296377.1 55.8 113
48 1 6 116 28 140 8.60E-30 137.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000004245 6596 1253 UdeM00000004245 XP_045167157.1 29 3612
2165 73 35 3335 716 4239 0.00E+00 1253 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004246 6526 196.4 UdeM00000004246 XP_013096006.1 33.6 444
261 13 14 434 481 913 7.50E-47 196.4 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000004247 1735272 216.1 UdeM00000004247 XP_041349527.1 33.9
410 255 9 14 417 25 424 9.50E-53 216.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000004248 10224 243.4 UdeM00000004248 XP_006825998.1 30.9 653
407 22 39 658 1194 1835 8.30E-61 243.4 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii

UdeM00000004250 29159 160.6 UdeM00000004250 XP_034307341.1 36.2 254
146 4 15 253 56 308 2.60E-36 160.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000004251 29159 193 UdeM00000004251 XP_011423066.2 28.8 473
313 10 24 489 26 481 9.10E-46 193 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000004252 29159 194.1 UdeM00000004252 XP_011423066.2 28.8 473
313 9 24 489 26 481 4.10E-46 194.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000004254 29159 199.1 UdeM00000004254 XP_011423066.2 27.8 482
320 10 16 494 25 481 1.30E-47 199.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000004257 6579 430.6 UdeM00000004257 XP_033746838.1 29 1019
643 26 30 1019 29 996 7.50E-117 430.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000004258 6579 426 UdeM00000004258 XP_033746838.1 29.1 1012
638 26 4 986 36 996 1.80E-115 426 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000004266 133434 453.4 UdeM00000004266 XP_022094946.1 38.2
663 375 10 32 670 33 684 5.60E-124 453.4 133434
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; Acanthasteridae; Acanthaster; Acanthaster planci

UdeM00000004267 6579 520.4 UdeM00000004267 XP_033745069.1 59.2 578
208 7 5 556 3 578 2.80E-144 520.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000004268 6596 197.2 UdeM00000004268 XP_045164930.1 96.1 103
4 0 1 103 1 103 1.00E-47 197.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004269 6596 90.9 UdeM00000004269 XP_045164632.1 51.2 84
41 0 2 85 18 101 8.60E-16 90.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004270 6596 159.8 UdeM00000004270 XP_045164634.1 38.4 258
 123 9 1 241 1 239 9.70E-36 159.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004271 29159 316.2 UdeM00000004271 XP_011447845.2 29.5 882
 398 16 79 957 171 831 1.40E-82 316.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004272 29159 316.2 UdeM00000004272 XP_011447845.2 29.5 882
 398 16 59 937 171 831 1.40E-82 316.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004273 29159 406.8 UdeM00000004273 XP_011447847.2 36.7 777
 385 16 7 776 5 681 6.40E-110 406.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004274 29159 59.7 UdeM00000004274 XP_011447847.2 34.2 187
 102 6 3 181 508 681 4.50E-06 59.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004276 400727 412.1 UdeM00000004276 XP_025106178.1 71.4
 252 70 1 2 253 75 324 5.00E-112 412.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000004275 29159 474.9 UdeM00000004275 XP_011441346.2 67.5 326
 103 2 1 323 1 326 8.10E-131 474.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004277 6579 570.5 UdeM00000004277 XP_033762712.1 27.7 1528
 993 42 13 1487 13 1481 8.00E-159 570.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004279 6579 444.9 UdeM00000004279 XP_033762712.1 30.1 1019
 655 26 1 996 360 1344 2.80E-121 444.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004280 6579 443 UdeM00000004280 XP_033762712.1 30.8 958
 612 23 1 937 360 1287 1.10E-120 443 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004281 6596 146 UdeM00000004281 XP_045176225.1 30.9 269
 177 4 5 271 9 270 7.20E-32 146 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004282 6596 387.1 UdeM00000004282 XP_045164671.1 68.8 282
 86 1 21 302 20 299 2.00E-104 387.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004283 6596 131 UdeM00000004283 XP_045164670.1 62.1 95
 36 0 1 95 42 136 8.30E-28 131 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004284 6596 393.7 UdeM00000004284 XP_045164670.1 58.6 333
 114 2 2 334 148 456 2.80E-106 393.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004285 6565 375.9 UdeM00000004285 XP_022299906.1 63.9 280
 98 2 1 277 1 280 4.50E-101 375.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004286 6500 434.1 UdeM00000004286 XP_005100381.1 56.7 367
 132 2 1 340 1 367 1.60E-118 434.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000004287 37653 112.8 UdeM00000004287 XP_014789472.1 56.4 110
 43 3 15 120 316 424 3.00E-22 112.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000004288 6596 171.8 UdeM00000004288 XP_045165261.1 58.9 158
 59 3 11 165 241 395 7.90E-40 171.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004289 441366 386.3 UdeM00000004289 XP_028296753.1 39.1
 596 333 13 6 593 32 605 6.90E-104 386.3 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen

niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000004290 46514 323.6 UdeM00000004290 XP_038075667.1 38.7 488
 247 10 14 466 94 564 4.30E-85 323.6 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000004291 1735272 257.7 UdeM00000004291 XP_041350021.1 68.4
 196 58 1 60 251 33 228 1.60E-65 257.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004292 6573 426 UdeM00000004292 XP_021371690.1 40.6 668
 332 13 1 620 1 651 1.30E-115 426 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004293 6579 420.2 UdeM00000004293 XP_033746137.1 38.9 599
 352 6 161 752 12 603 5.40E-114 420.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004294 29159 388.3 UdeM00000004294 XP_034322771.1 36.2 640
 320 12 6 638 24 582 1.90E-104 388.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004295 1735272 376.3 UdeM00000004295 XP_041348497.1 37.7
 557 332 6 395 947 503 1048 1.10E-100 376.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004296 6596 62 UdeM00000004296 XP_045189070.1 43.8 89
 43 4 2 86 1 86 4.30E-07 62 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004297 29159 676 UdeM00000004297 XP_011433349.2 65.9 454
 152 2 8 461 12 462 3.40E-191 676 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004298 1735272 122.9 UdeM00000004298 XP_041375701.1 51
 100 49 0 54 153 1 100 3.70E-25 122.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004299 1735272 133.7 UdeM00000004299 XP_041375701.1 55
 100 45 0 102 201 1 100 2.70E-28 133.7 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004300 225164 87 UdeM00000004300 XP_009055924.1 51.4
70 34 0 136 205 330 399 3.00E-14 87 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000004301 29159 653.7 UdeM00000004301 XP_011419679.2 63.9 441
156 2 60 500 37 474 1.90E-184 653.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004303 225164 567 UdeM00000004303 XP_009058775.1 66.8
364 120 1 16 379 18 380 1.80E-158 567 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000004304 6579 636.7 UdeM00000004304 XP_033746823.1 60.9 465
175 3 1 465 1 458 2.30E-179 636.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004302 6579 622.5 UdeM00000004302 XP_033746823.1 60 463
177 4 1 462 1 456 4.50E-175 622.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004305 6565 203.8 UdeM00000004305 XP_022302764.1 68.3 142
45 0 58 199 8 149 2.10E-49 203.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000044431 29159 103.6 UdeM00000044431 XP_034317565.1 32 169
108 5 26 194 1188 1349 5.40E-19 103.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000044432 6579 116.7 UdeM00000044432 XP_033744257.1 41.4 140
82 0 1 140 154 293 2.60E-23 116.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028854 1735272 411.8 UdeM00000028854 XP_041372570.1 52
356 168 1 8 363 28 380 9.30E-112 411.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028855 6596 75.9 UdeM00000028855 XP_045186033.1 27.8 158
112 2 207 364 23 178 1.30E-10 75.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028856 6565 540.4 UdeM00000028856 XP_022345813.1 76.6 364
56 3 2 365 5 339 2.00E-150 540.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028858 1735272 255.8 UdeM00000028858 XP_041361083.1 93.2
133 8 1 3 135 1 132 3.30E-65 255.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028857 46514 150.6 UdeM00000028857 XP_038075667.1 34.6 260
144 6 1 244 309 558 2.60E-33 150.6 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000028859 6579 204.9 UdeM00000028859 XP_033761983.1 35.8 341
212 4 5 344 235 569 1.60E-49 204.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028860 6579 205.7 UdeM00000028860 XP_033761983.1 35.2 355
222 5 29 381 221 569 1.10E-49 205.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028862 6565 340.9 UdeM00000028862 XP_022345813.1 58.2 311
123 4 1 307 185 492 2.70E-90 340.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028861 6565 350.1 UdeM00000028861 XP_022345813.1 57.8 322
129 4 115 432 174 492 5.50E-93 350.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028864 6596 376.3 UdeM00000028864 XP_045177776.1 40 525
291 10 1 517 405 913 6.20E-101 376.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028863 6596 375.9 UdeM00000028863 XP_045177776.1 40 525
291 10 1 517 405 913 1.00E-100 375.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028865 6596 109.8 UdeM00000028865 XP_045191793.1 30.8 237
142 7 3 233 785 1005 5.90E-21 109.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028866 105023 250 UdeM00000028866 XP_015828284.1 36.8
391 225 6 6 382 151 533 4.90E-63 250 105023

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Cypriodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothobranchius furzeri

UdeM00000028867 6565 122.1 UdeM00000028867 XP_022299602.1 46.2 132
68 3 53 183 2 131 2.80E-24 122.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028869 29159 64.3 UdeM00000028869 XP_034315424.1 36.1 108
60 3 12 116 213 314 2.20E-07 64.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028870 6596 192.2 UdeM00000028870 XP_045177776.1 36.9 317
178 9 1 312 405 704 1.90E-45 192.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028871 6596 109.8 UdeM00000028871 XP_045188183.1 40.9 159
87 5 2 158 85 238 8.40E-21 109.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028872 6565 73.2 UdeM00000028872 XP_022308598.1 39.6 106
61 2 14 119 67 169 2.90E-10 73.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028873 37653 84.3 UdeM00000028873 XP_014767494.1 83.3 48
8 0 9 56 1001 1048 7.10E-14 84.3 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000028874 6596 465.3 UdeM00000028874 XP_045177776.1 33.8 799
427 16 11 798 398 1105 2.00E-127 465.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028875 6596 358.2 UdeM00000028875 XP_045177776.1 35.4 608
308 12 11 613 398 925 2.90E-95 358.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028876 46514 81.6 UdeM00000028876 XP_038062873.1 54.8 73
33 0 1 73 21 93 5.60E-13 81.6 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000028877 1735272 249.2 UdeM00000028877 XP_041372570.1 54.6
207 89 2 2 206 149 352 4.50E-63 249.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028878 6565 421.8 UdeM00000028878 XP_022345813.1 79.3 276
45 3 7 276 70 339 1.20E-114 421.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028879 6596 369.4 UdeM00000028879 XP_045177776.1 39.3 524
298 10 1 519 405 913 1.50E-98 369.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028880 6596 285.4 UdeM00000028880 XP_045182820.1 75.8 178
43 0 55 232 183 360 6.40E-74 285.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028881 6596 124.4 UdeM00000028881 XP_045182818.1 27.1 380
141 3 1 245 1 379 2.00E-25 124.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028882 45264 246.9 UdeM00000028882 XP_044176443.1 36.3 402
136 4 28 317 87 480 3.50E-62 246.9 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000028883 8049 132.9 UdeM00000028883 XP_030193753.1 27.9 348
167 9 3 285 50 378 6.70E-28 132.9 8049 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadidae;Gadus;Gadus morhua

UdeM00000028884 6565 224.6 UdeM00000028884 XP_022342298.1 32.9 517
149 10 1 333 1 503 2.70E-55 224.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028885 6596 343.6 UdeM00000028885 XP_045177776.1 40.6 520
288 9 1 515 405 908 4.50E-91 343.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028886 6596 312 UdeM00000028886 XP_045177779.1 38.5 491
282 9 1 482 97 576 1.70E-81 312 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028887 6596 312 UdeM00000028887 XP_045177779.1 38.5 491
282 9 1 482 97 576 1.80E-81 312 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028888 6579 144.8 UdeM00000028888 XP_033732676.1 33.2 280
161 9 106 375 141 404 2.20E-31 144.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028889 6596 375.2 UdeM00000028889 XP_045177776.1 36.7 622
343 15 1 611 405 986 2.00E-100 375.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028890 6596 331.3 UdeM00000028890 XP_045177776.1 38.4 487
280 10 1 482 405 876 2.40E-87 331.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028891 6596 113.2 UdeM00000028891 XP_045191793.1 36.3 171
97 4 3 170 785 946 5.30E-22 113.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028892 6565 122.1 UdeM00000028892 XP_022299602.1 46.2 132
68 3 53 183 2 131 2.80E-24 122.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028894 29159 60.1 UdeM00000028894 XP_034315424.1 35.2 108
61 3 12 116 213 314 4.20E-06 60.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028895 6596 351.3 UdeM00000028895 XP_045177776.1 35.4 601
 300 14 1 595 405 923 3.50E-93 351.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028897 29159 466.1 UdeM00000028897 XP_034303860.1 45.9 534
 258 11 5 522 21 539 6.10E-128 466.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028898 6565 102.1 UdeM00000028898 XP_022312527.1 46.1 102
 54 1 92 192 70 171 9.00E-19 102.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028899 6596 282.3 UdeM00000028899 XP_045177779.1 39.9 441
 235 10 1 426 97 522 1.00E-72 282.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028900 6596 125.9 UdeM00000028900 XP_045177779.1 31.2 215
 136 5 24 234 619 825 1.30E-25 125.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028901 6579 114.4 UdeM00000028901 XP_033750136.1 29.6 216
 140 6 52 265 8 213 2.30E-22 114.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028902 6573 215.7 UdeM00000028902 XP_021343397.1 68.5 178
 35 3 12 168 1061 1238 4.50E-53 215.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028903 6596 343.6 UdeM00000028903 XP_045177779.1 37.5 517
 311 8 1 509 97 609 4.50E-91 343.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028904 6573 193 UdeM00000028904 XP_021359687.1 33.8 396
 229 13 351 723 296 681 1.40E-45 193 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028905 6565 137.9 UdeM00000028905 XP_022341861.1 75.8 95
 15 1 2 96 976 1062 7.00E-30 137.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028907 6565 131 UdeM00000028907 XP_022310266.1 48.6 148
 71 1 146 293 184 326 2.60E-27 131 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028906 6565 146.7 UdeM00000028906 XP_022310266.1 33.6 354
 190 11 354 690 1 326 1.10E-31 146.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028908 6596 178.3 UdeM00000028908 XP_045177779.1 33.3 294
 182 7 20 310 527 809 5.00E-41 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028909 6565 120.9 UdeM00000028909 XP_022299602.1 40 175
 100 4 97 270 2 172 6.80E-24 120.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028912 6596 461.5 UdeM00000028912 XP_045177776.1 34.1 794
 414 19 1 781 405 1102 2.80E-126 461.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028913 6596 350.9 UdeM00000028913 XP_045177776.1 35 602
 301 13 1 595 405 923 4.50E-93 350.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028914 7741 560.5 UdeM00000028914 XP_019618826.1 55.1 506
 188 2 20 486 5 510 2.90E-156 560.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000028915 6596 372.5 UdeM00000028915 XP_045177776.1 39.4 563
 326 8 1 556 405 959 1.30E-99 372.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028916 6596 473.4 UdeM00000028916 XP_045177779.1 36.9 713
 423 10 1 698 97 797 6.50E-130 473.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028917 6596 73.2 UdeM00000028917 XP_045180710.1 47.7 107
 42 5 1 101 326 424 5.20E-10 73.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028918 6596 357.5 UdeM00000028918 XP_045177776.1 41.6 507
 286 6 1 500 405 908 2.90E-95 357.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028919 6565 123.2 UdeM00000028919 XP_022299602.1 44.2 138
 74 3 97 233 2 137 4.60E-25 123.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028920 6596 81.6 UdeM00000028920 XP_045186033.1 29.1 158
 110 2 234 391 23 178 2.60E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028922 6596 479.9 UdeM00000028922 XP_045177776.1 38.1 732
 424 13 1 725 405 1114 7.20E-132 479.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028923 6596 391 UdeM00000028923 XP_045177776.1 40.4 562
 317 8 1 559 405 951 3.80E-105 391 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028924 6573 232.6 UdeM00000028924 XP_021343397.1 52.7 264
 32 3 4 174 931 1194 3.80E-58 232.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028925 1735272 257.3 UdeM00000028925 XP_041356271.1 49.2
 238 94 3 1 214 89 323 1.70E-65 257.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028926 37621 519.2 UdeM00000028926 XP_014679850.1 78.9 322
 68 0 1 322 189 510 3.70E-144 519.2 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000028927 37621 78.6 UdeM00000028927 XP_014679850.1 60.6 66
 26 0 1 66 189 254 3.70E-12 78.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000028928 37621 267.7 UdeM00000028928 XP_014679849.1 54.9 215
 90 3 1 208 409 623 1.20E-68 267.7 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapulus;Priapulus caudatus
UdeM00000028929 37621 194.5 UdeM00000028929 XP_014679849.1 55.6 187
82 1 38 223 190 376 1.40E-46 194.5 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapulus;Priapulus caudatus
UdeM00000028930 6565 691 UdeM00000028930 XP_022345813.1 65.3 585
97 8 2 577 5 492 2.90E-195 691 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028931 6565 120.2 UdeM00000028931 XP_022299602.1 44.7 132
70 3 97 227 2 131 3.90E-24 120.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028932 6596 81.6 UdeM00000028932 XP_045186033.1 29.1 158
110 2 246 403 23 178 2.70E-12 81.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028934 6565 65.5 UdeM00000028934 XP_022334339.1 22.3 251
176 8 30 271 517 757 1.30E-07 65.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028935 6579 125.6 UdeM00000028935 XP_033744347.1 27.3 454
255 15 11 398 3 447 1.50E-25 125.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028936 6579 566.6 UdeM00000028936 XP_033743002.1 39.7 807
425 12 113 868 10 805 5.40E-158 566.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028939 6596 160.2 UdeM00000028939 XP_045177776.1 36.6 265
156 6 1 262 405 660 3.60E-36 160.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028940 6596 189.5 UdeM00000028940 XP_045177776.1 39.9 233
134 4 212 442 695 923 1.40E-44 189.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028942 37653 84.7 UdeM00000028942 XP_014767494.1 83.3 48
8 0 4 51 1001 1048 5.10E-14 84.7 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000028941 37653 84.3 UdeM00000028941 XP_014767494.1 83.3 48
8 0 9 56 1001 1048 7.10E-14 84.3 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000028943 6596 280 UdeM00000028943 XP_045177779.1 39.7 441
236 10 1 426 97 522 5.00E-72 280 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028944 6579 112.1 UdeM00000028944 XP_033750136.1 29.2 216
141 6 52 265 8 213 1.10E-21 112.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000028945 6596 342.8 UdeM00000028945 XP_045177776.1 35.3 586
297 11 1 581 405 913 8.60E-91 342.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028946 6596 112.5 UdeM00000028946 XP_045191793.1 36.1 191
107 6 3 187 785 966 9.10E-22 112.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028947 105023 255.8 UdeM00000028947 XP_015828284.1 40.2
341 192 4 6 342 151 483 8.10E-65 255.8 105023
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorpha; Euacanthomorpha; Percomorphaceae; Ovalentaria; Atherinomorpha; Cyprinodontiformes; Aplocheiloidei; Nothobranchiidae; Nothobranchius; Nothobranchius furzeri

UdeM00000028948 6565 120.2 UdeM00000028948 XP_022299602.1 43.4 143
78 3 53 194 2 142 7.00E-24 120.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000028949 6579 110.9 UdeM00000028949 XP_033750135.1 35.3 156
95 4 16 170 8 158 2.30E-21 110.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000028950 6573 193.4 UdeM00000028950 XP_021341731.1 23.2 686
483 14 14 663 2 679 9.50E-46 193.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000028951 6573 152.1 UdeM00000028951 XP_021368347.1 24 667
443 21 26 665 26 655 2.40E-33 152.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000028953 7654 79.7 UdeM00000028953 XP_041473734.1 45.1 91
48 1 18 106 654 744 2.50E-12 79.7 7654 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea; Temnopleuroidea; Toxopneustidae; Lytechinus; Lytechinus variegatus
UdeM00000028954 6596 358.6 UdeM00000028954 XP_045177776.1 35.7 607
303 14 11 611 398 923 2.20E-95 358.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028955 6596 78.2 UdeM00000028955 XP_045179120.1 56.9 65
27 1 1 65 1 64 2.40E-11 78.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028956 6596 78.2 UdeM00000028956 XP_045179120.1 56.9 65
27 1 1 65 1 64 2.10E-11 78.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028957 1529436 114.4 UdeM00000028957 XP_033102039.1 40
140 78 3 31 169 295 429 1.50E-22 114.4 1529436
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Pelmatozoa; Crinoidea; Articulata; Comatulida; Comatulidae; Comatulinae; Anneissia; Anneissia japonica
UdeM00000028958 70779 90.9 UdeM00000028958 XP_015774642.1 41.7 108
60 3 32 138 613 718 2.00E-15 90.9 70779 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora digitifera
UdeM00000028959 6596 186.8 UdeM00000028959 XP_045177779.1 39.2 316
164 8 1 302 97 398 4.10E-44 186.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028960 6596 103.2 UdeM00000028960 XP_045177792.1 42.6 122
69 1 96 216 4 125 4.20E-19 103.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028961 6579 110.2 UdeM00000028961 XP_033750136.1 34.6 156
 96 4 52 206 8 158 3.90E-21 110.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pecti
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028962 6596 392.9 UdeM00000028962 XP_045177776.1 39.8 563
 321 8 1 550 405 962 9.60E-106 392.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028963 6596 391.7 UdeM00000028963 XP_045177776.1 40.4 552
 311 8 1 539 405 951 2.20E-105 391.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028964 1735272 248.8 UdeM00000028964 XP_041360629.1 56.5
 239 41 1 12 187 906 1144 5.40E-63 248.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028965 6596 76.6 UdeM00000028965 XP_045179120.1 52.2 67
 31 1 1 67 1 66 1.40E-11 76.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028966 1735272 334 UdeM00000028966 XP_041372570.1 55.6
 270 113 2 1 270 90 352 1.80E-88 334 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028967 37621 162.2 UdeM00000028967 XP_014679850.1 61.7 128
 39 3 1 120 1 126 4.30E-37 162.2 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000028968 37621 78.6 UdeM00000028968 XP_014679850.1 60.6 66
 26 0 1 66 189 254 3.70E-12 78.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000028969 37621 267.7 UdeM00000028969 XP_014679849.1 54.9 215
 90 3 1 208 409 623 1.20E-68 267.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000028970 37621 291.2 UdeM00000028970 XP_014679849.1 44.4 374
 130 2 1 296 3 376 1.50E-75 291.2 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000028971 6565 123.6 UdeM00000028971 XP_022345813.1 90.9 66
5 1 2 67 5 69 1.10E-25 123.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000028972 6565 559.3 UdeM00000028972 XP_022345788.1 73.7 388
100 2 168 554 196 582 8.90E-156 559.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000028973 6596 192.6 UdeM00000028973 XP_045177779.1 38.9 311
172 6 1 302 97 398 7.50E-46 192.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028974 6596 103.6 UdeM00000028974 XP_045180775.1 36 175
101 5 47 217 1302 1469 3.20E-19 103.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028975 6579 114 UdeM00000028975 XP_033750136.1 29.2 216
141 6 52 265 8 213 3.00E-22 114 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000028976 1735272 228 UdeM00000028976 XP_041360629.1 50.2
269 42 3 25 208 883 1144 1.10E-56 228 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000028977 1735272 257.3 UdeM00000028977 XP_041356271.1 49.2
238 94 3 1 214 89 323 1.70E-65 257.3 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000028978 37621 163.7 UdeM00000028978 XP_014679850.1 62.5 128
38 3 1 120 1 126 1.50E-37 163.7 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000028979 37621 79 UdeM00000028979 XP_014679850.1 60.6 66
26 0 1 66 189 254 2.80E-12 79 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000028980 37621 515.8 UdeM00000028980 XP_014679850.1 78.6 322
69 0 1 322 189 510 4.00E-143 515.8 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000028981 37621 255 UdeM00000028981 XP_014679849.1 54 211
84 3 1 201 416 623 8.10E-65 255 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000028982 37621 164.5 UdeM00000028982 XP_014679849.1 53.5 155
72 0 2 156 222 376 1.10E-37 164.5 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000028983 6565 123.6 UdeM00000028983 XP_022345813.1 90.9 66
5 1 2 67 5 69 9.70E-26 123.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000028985 6565 435.3 UdeM00000028985 XP_022345813.1 84 262
41 1 7 267 70 331 5.90E-119 435.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000028984 6565 591.3 UdeM00000028984 XP_022345813.1 80.4 387
68 5 7 386 70 455 1.60E-165 591.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000028986 29159 109.8 UdeM00000028986 XP_034305547.1 30.8 224
138 6 110 321 21 239 6.70E-21 109.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000028987 29159 109.8 UdeM00000028987 XP_034305547.1 30.8 224
138 6 37 248 21 239 5.20E-21 109.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000028988 6573 149.1 UdeM00000028988 XP_021368347.1 24.4 657
429 22 26 653 26 643 2.10E-32 149.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000028989 6596 390.2 UdeM00000028989 XP_045177776.1 39.3 572
331 7 1 570 405 962 6.40E-105 390.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000028990 6579 154.1 UdeM00000028990 XP_033752808.1 24.5 658
428 23 26 652 27 646 6.40E-34 154.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000028992 7654 79.7 UdeM00000028992 XP_041473734.1 45.1 91
 48 1 18 106 654 744 2.50E-12 79.7 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000028993 6596 199.5 UdeM00000028993 XP_045191793.1 39.6 308
 159 7 1 305 258 541 6.30E-48 199.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028994 6596 358.2 UdeM00000028994 XP_045177776.1 35 609
 311 12 1 604 405 933 2.90E-95 358.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028995 29159 76.3 UdeM00000028995 XP_019928965.2 44.1 127
 60 3 41 162 293 413 7.70E-11 76.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028996 6596 449.9 UdeM00000028996 XP_045177776.1 33.1 788
 432 16 1 780 405 1105 8.50E-123 449.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028997 6579 97.8 UdeM00000028997 XP_033750136.1 30.4 168
 108 4 18 184 55 214 1.50E-17 97.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028998 2607531 322.4 UdeM00000028998 XP_036358341.1 79.1
 206 35 1 10 215 52 249 4.70E-85 322.4 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000028999 6596 216.5 UdeM00000028999 XP_045185323.1 35 403
 255 4 8 410 12 407 9.80E-53 216.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029001 6596 63.5 UdeM00000029001 XP_045185321.1 36.3 91
 58 0 372 462 581 671 1.30E-06 63.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029003 37653 389 UdeM00000029003 XP_014787177.1 87.7 228
 28 0 3 230 1 228 5.00E-105 389 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000029004 1735272 189.9 UdeM00000029004 XP_041360769.1 66.2
139 42 2 1 138 459 593 3.00E-45 189.9 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000029005 6565 137.9 UdeM00000029005 XP_022327962.1 53.1 128
58 1 9 134 591 718 9.60E-30 137.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000029006 37653 1271.1 UdeM00000029006 XP_014787241.1 48.5
1710 615 30 1 1616 1 1539 0.00E+00 1271.1
37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000029007 6596 191 UdeM00000029007 XP_045206702.1 24.1 744
494 13 77 794 37 735 5.80E-45 191 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000029008 6596 142.5 UdeM00000029008 XP_045182112.1 28 372
217 5 2 369 418 742 1.10E-30 142.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000029009 441366 201.8 UdeM00000029009 XP_028326620.1 45.6
252 127 5 1 251 48 290 1.10E-48 201.8 441366
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Blenniiformes; Blenniiformes; Gobiesocidae; Gobiesocinae; Gouania; Gouania willdenowi
UdeM00000029011 6596 164.5 UdeM00000029011 XP_045206702.1 22.6 747
501 14 38 755 37 735 5.60E-37 164.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000029012 6596 193.4 UdeM00000029012 XP_045215724.1 25.2 735
437 23 95 785 70 735 1.20E-45 193.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000029013 6565 120.6 UdeM00000029013 XP_022327962.1 53.1 113
 53 0 9 121 197 309 1.40E-24 120.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029016 6596 79.7 UdeM00000029016 XP_045166601.1 22.7 581
 381 21 38 583 191 738 1.40E-11 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029017 6596 197.2 UdeM00000029017 XP_045206702.1 24.3 745
 487 16 71 787 40 735 8.00E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000029018 6579 84.3 UdeM00000029018 XP_033730826.1 32.3 161
 84 3 86 232 215 364 2.20E-13 84.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029019 1735272 62.8 UdeM00000029019 XP_041350990.1 45.2
 62 34 0 303 364 461 522 1.10E-06 62.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029020 1735272 62.8 UdeM00000029020 XP_041350990.1 45.2
 62 34 0 178 239 461 522 7.00E-07 62.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029021 6579 84.3 UdeM00000029021 XP_033730826.1 32.3 161
 84 3 86 232 215 364 2.20E-13 84.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029022 1735272 62.8 UdeM00000029022 XP_041350990.1 45.2
 62 34 0 303 364 461 522 1.10E-06 62.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029023 1735272 62.8 UdeM00000029023 XP_041350990.1 45.2
 62 34 0 178 239 461 522 7.00E-07 62.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000029024 6596 374 UdeM00000029024 XP_045177776.1 40.5 538
 307 7 1 531 405 936 4.80E-10 374 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000029025 6596 355.9 UdeM00000029025 XP_045177776.1 41.2 507
288 6 1 500 405 908 8.60E-95 355.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000029026 50390 261.9 UdeM00000029026 XP_028148951.1 55.6 198
88 0 3 200 470 667 6.60E-67 261.9 50390 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucujiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; Diabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera virgifera

UdeM00000029027 6565 92.8 UdeM00000029027 XP_022308193.1 40.6 128
65 2 5 132 12 128 4.20E-16 92.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000029028 6573 209.9 UdeM00000029028 XP_021373558.1 50.2 239
95 5 26 242 109 345 4.30E-51 209.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000029029 6573 251.1 UdeM00000029029 XP_021373558.1 50.9 271
109 5 1 249 77 345 1.70E-63 251.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000029030 6573 209.9 UdeM00000029030 XP_021373558.1 50.2 239
95 5 26 242 109 345 4.30E-51 209.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000029031 6573 251.1 UdeM00000029031 XP_021373558.1 50.9 271
109 5 1 249 77 345 1.70E-63 251.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000029033 29159 177.6 UdeM00000029033 XP_034312908.1 26.1 651
314 19 5 523 6 621 4.30E-41 177.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000029034 6596 322.4 UdeM00000029034 XP_045177776.1 38.3 478
259 6 1 476 405 848 1.40E-84 322.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000029035 29159 126.7 UdeM00000029035 XP_034339171.1 37.4 182
 107 5 7 185 564 741 3.20E-26 126.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000029036 6565 67.8 UdeM00000029036 XP_022297409.1 32 122
 63 2 1 103 289 409 9.70E-09 67.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000029037 7725 59.3 UdeM00000029037 XP_039258759.1 44.1 59
 33 0 12 70 139 197 5.60E-06 59.3 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
 clava
 UdeM00000029039 50390 144.8 UdeM00000029039 XP_028130731.1 56.3 103
 45 0 1 103 93 195 7.10E-32 144.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000029038 225164 228.8 UdeM00000029038 XP_009062376.1 52.5
 181 83 1 3 183 379 556 6.20E-57 228.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000029040 50390 339.7 UdeM00000029040 XP_028152422.1 53.8 253
 117 0 4 256 161 413 3.20E-90 339.7 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000029041 6579 102.8 UdeM00000029041 XP_033758968.1 32.5 157
 96 4 26 172 13 169 4.50E-19 102.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000029042 6573 479.2 UdeM00000029042 XP_021365195.1 68.6 341
 102 4 1 337 1 340 4.40E-132 479.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000029043 13686 396.7 UdeM00000029043 XP_011170408.3 41.4 507
 288 4 1 500 372 876 4.30E-107 396.7 13686 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsi
 s invicta

UdeM00000029044 13164 68.2 UdeM00000029044 XP_022160023.1 43 107
 51 4 100 201 26 127 1.40E-08 68.2 13164 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Myzus;Myzus
 persicae
 UdeM00000029045 6565 241.1 UdeM00000029045 XP_022309566.1 39.2 306
 176 7 27 327 682 982 2.00E-60 241.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033596 6596 755 UdeM00000033596 XP_045169657.1 48.4 920
 352 17 11 876 62 912 1.30E-214 755 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033597 37621 132.5 UdeM00000033597 XP_014676916.1 41.4 169
 96 1 18 186 187 352 6.00E-28 132.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000033598 29159 206.5 UdeM00000033598 XP_011429098.1 59.9 302
 106 8 1 290 1 299 4.70E-50 206.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033599 29159 210.7 UdeM00000033599 XP_011429099.1 60.5 301
 106 7 1 291 1 298 2.50E-51 210.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033600 6596 493.4 UdeM00000033600 XP_045170245.1 64.1 393
 132 4 1 390 76 462 2.60E-136 493.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033601 29159 156.4 UdeM00000033601 XP_034305523.1 49 145
 73 1 2 145 771 915 3.20E-35 156.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033602 42100 201.1 UdeM00000033602 XP_032477828.1 60.4 154
 61 0 138 291 7 160 2.00E-48 201.1 42100 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Artiodactyla;Whippomorpha;Cetacea;Odontocet
 i;Phocoenidae;Phocoena;Phocoena sinus
 UdeM00000033603 6579 380.6 UdeM00000033603 XP_033734887.1 69 268
 83 0 20 287 214 481 1.80E-102 380.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000033605 6565 115.9 UdeM00000033605 XP_022331839.1 53.3 105
49 0 1 105 503 607 3.40E-23 115.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000033604 6565 156.8 UdeM00000033604 XP_022331839.1 54.3 140
62 1 111 250 470 607 3.90E-35 156.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000033606 6596 638.6 UdeM00000033606 XP_045213300.1 66.7 490
144 11 1 483 1 478 6.30E-180 638.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033607 6579 464.5 UdeM00000033607 XP_033734885.1 49 502
165 3 1 502 485 895 1.80E-127 464.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000033608 6596 1491.5 UdeM00000033608 XP_045213300.1 72.1
995 247 3 1 993 934 1899 0.00E+00 1491.5 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033609 6596 283.5 UdeM00000033609 XP_045187768.1 58 212
89 0 1 212 6 217 2.20E-73 283.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033610 7604 450.3 UdeM00000033610 XP_033641066.1 55.6 378
168 0 4 381 3 380 2.50E-123 450.3 7604 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Forcipulatacea; Forcipulatacida; Asteroidea; Asterias; Asterias rubens

UdeM00000033611 6579 535.4 UdeM00000033611 XP_033752673.1 44.6 689
282 11 1 626 1 652 9.60E-149 535.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000033613 6579 324.3 UdeM00000033613 XP_033735141.1 89.7 175
17 1 1 175 216 389 9.70E-86 324.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000033612 6565 722.6 UdeM00000033612 XP_022333143.1 91 390
34 1 1 390 1 389 2.70E-205 722.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033614 6596 127.1 UdeM00000033614 XP_045183969.1 55 109
47 1 3 111 6 112 1.50E-26 127.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033616 6596 162.5 UdeM00000033616 XP_045183969.1 53.1 145
66 1 3 147 6 148 5.80E-37 162.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033615 6596 180.3 UdeM00000033615 XP_045183969.1 53.5 157
71 1 3 159 6 160 2.00E-42 180.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033617 1735272 763.1 UdeM00000033617 XP_041352857.1 94.5
399 22 0 1 399 1 399 1.80E-217 763.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000033618 29159 70.5 UdeM00000033618 XP_034325325.1 43.2 88
50 0 19 106 9 96 2.30E-09 70.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033619 1735272 172.9 UdeM00000033619 XP_041353640.1 46.3
190 93 4 18 202 143 328 6.10E-40 172.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000033620 6596 150.2 UdeM00000033620 XP_045183694.1 79.8 84
17 0 14 97 81 164 3.50E-33 150.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027952 6596 87 UdeM00000027952 XP_045181277.1 36.2 105
64 1 26 127 268 372 2.20E-14 87 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027953 6596 185.3 UdeM00000027953 XP_045176664.1 29.9 452
267 12 45 458 32 471 1.80E-43 185.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027954 6706 98.2 UdeM00000027954 XP_042235765.1 36.5 159
 99 2 1 159 1 157 1.00E-17 98.2 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000027955 6596 79 UdeM00000027955 XP_045174069.1 31.6 133
 88 1 1 130 3 135 3.00E-11 79 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027956 6596 90.9 UdeM00000027956 XP_045174069.1 27 337
 177 8 8 275 7 343 3.00E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027957 6596 201.8 UdeM00000027957 XP_045174069.1 32.1 554
 282 19 8 487 7 540 2.00E-48 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027958 6596 391 UdeM00000027958 XP_045174093.1 48.6 486
 201 11 1 456 1 467 2.20E-105 391 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027959 29159 104.4 UdeM00000027959 XP_034336486.1 47 115
 60 1 416 530 659 772 4.60E-19 104.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027960 29159 104.4 UdeM00000027960 XP_034336486.1 47 115
 60 1 493 607 659 772 5.30E-19 104.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027961 1735272 154.8 UdeM00000027961 XP_041378517.1 28.1
 466 281 14 1 435 1 443 2.70E-34 154.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027963 29159 710.3 UdeM00000027963 XP_011435747.2 34.1 1212
 682 30 64 1209 172 1332 4.20E-201 710.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027964 1735272 375.9 UdeM00000027964 XP_041366865.1 27.6
 969 449 23 136 865 492 1446 1.30E-100 375.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027965 1735272 77.8 UdeM00000027965 XP_041366865.1 39.4
 104 57 3 12 115 1455 1552 1.00E-11 77.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027966 29159 682.2 UdeM00000027966 XP_011435747.2 33.1 1201
 661 27 182 1279 172 1332 1.30E-192 682.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027967 29159 682.2 UdeM00000027967 XP_011435747.2 33.1 1201
 661 27 114 1211 172 1332 1.20E-192 682.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027968 1735272 111.3 UdeM00000027968 XP_041366865.1 40.5
 148 78 4 6 149 1411 1552 1.10E-21 111.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027969 29159 582.4 UdeM00000027969 XP_011435747.2 31.2 1188
 581 29 172 1163 185 1332 1.30E-162 582.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027970 29159 642.5 UdeM00000027970 XP_011435747.2 32.7 1188
 607 29 127 1162 185 1332 1.00E-180 642.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027971 6596 79.3 UdeM00000027971 XP_045171492.1 26 123
 90 1 32 153 54 176 4.80E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027972 6596 104 UdeM00000027972 XP_045173497.1 52.7 91
 42 1 44 133 32 122 2.10E-19 104 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027973 6596 452.6 UdeM00000027973 XP_045172051.1 69.2 315
 96 1 1 314 1 315 4.20E-124 452.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027975 680683 121.3 UdeM00000027975 XP_013184004.1 50
112 53 1 106 217 12 120 1.50E-24 121.3 680683
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Pyraloidea;Pyralidae;Phycitinae;Amyelois;Amyelois transitella

UdeM00000027974 680683 120.2 UdeM00000027974 XP_013184004.1 50
112 53 1 106 217 12 120 3.80E-24 120.2 680683
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Pyraloidea;Pyralidae;Phycitinae;Amyelois;Amyelois transitella

UdeM00000027976 6579 80.9 UdeM00000027976 XP_033748647.1 25.6 347
211 10 627 942 900 1230 9.80E-12 80.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027977 6579 80.9 UdeM00000027977 XP_033748647.1 25.6 347
211 10 612 927 900 1230 9.60E-12 80.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027978 6596 328.9 UdeM00000027978 XP_045173210.1 61 267
97 4 1 264 3 265 5.80E-87 328.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027979 6565 118.2 UdeM00000027979 XP_022336752.1 39.9 153
89 1 78 230 57 206 1.50E-23 118.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027980 29159 171.4 UdeM00000027980 XP_034324494.1 54.7 161
72 1 11 170 293 453 1.00E-39 171.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027981 6573 223.4 UdeM00000027981 XP_021342692.1 56.2 203
80 3 1 201 77 272 3.80E-55 223.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027982 6573 317.8 UdeM00000027982 XP_021342692.1 58.1 279
108 3 1 277 1 272 1.80E-83 317.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027983 6573 322 UdeM00000027983 XP_021342692.1 58.8 279
 106 3 1 277 1 272 9.80E-85 322 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027984 6573 320.9 UdeM00000027984 XP_021342692.1 58.8 279
 106 3 1 277 1 272 2.20E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027985 6573 320.9 UdeM00000027985 XP_021342692.1 58.8 279
 106 3 1 277 1 272 2.20E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027986 6573 320.9 UdeM00000027986 XP_021342692.1 58.8 279
 106 3 1 277 1 272 2.20E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027987 6573 320.9 UdeM00000027987 XP_021342692.1 58.8 279
 106 3 1 277 1 272 2.20E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027988 6573 320.9 UdeM00000027988 XP_021342692.1 58.8 279
 106 3 1 277 1 272 2.20E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027989 6573 320.9 UdeM00000027989 XP_021342692.1 58.8 279
 106 3 1 277 1 272 2.20E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027990 6573 320.9 UdeM00000027990 XP_021342692.1 58.8 279
 106 3 1 277 1 272 2.20E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027991 6573 322 UdeM00000027991 XP_021342692.1 58.8 279
 106 3 1 277 1 272 9.80E-85 322 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027992 6573 320.9 UdeM00000027992 XP_021342692.1 58.8 279
 106 3 1 277 1 272 2.20E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027993 6573 320.9 UdeM00000027993 XP_021342692.1 58.4 279
 107 3 1 277 1 272 2.20E-84 320.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000027994 6579 249.2 UdeM00000027994 XP_033739209.1 49.6 258
114 2 9 261 2 248 5.80E-63 249.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000027995 6596 99.8 UdeM00000027995 XP_045188277.1 28.9 201
133 3 2 201 79 270 7.00E-18 99.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000027996 6573 319.3 UdeM00000027996 XP_021342692.1 58.4 279
107 3 1 277 1 272 6.30E-84 319.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000027997 6596 259.2 UdeM00000027997 XP_045172013.1 76.5 498
116 1 1 498 1 497 1.10E-65 259.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000027998 6596 795.8 UdeM00000027998 XP_045171228.1 52 812
369 9 37 843 17 812 5.30E-227 795.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000027999 6596 291.6 UdeM00000027999 XP_045171297.1 46.2 639
291 16 1 621 1 604 2.70E-75 291.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028000 37653 405.6 UdeM00000028000 XP_014786776.1 76.3 257
50 1 10 266 18 263 5.00E-110 405.6 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides
UdeM00000028001 6565 580.1 UdeM00000028001 XP_022340530.1 76.1 402
96 0 1 402 1 402 2.20E-162 580.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000028002 6596 609.8 UdeM00000028002 XP_045172739.1 56.1 513
225 0 1 513 103 615 3.30E-171 609.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028004 6596 602.8 UdeM00000028004 XP_045172739.1 47.6 611
313 1 3 606 5 615 4.70E-169 602.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028005 6596 94 UdeM00000028005 XP_045172739.1 49.5 93
47 0 4 96 388 480 1.40E-16 94 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028006 6596 166.4 UdeM00000028006 XP_045175219.1 42.6 230
120 6 1 221 73 299 4.10E-38 166.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028007 6596 218.4 UdeM00000028007 XP_045175219.1 45 271
137 6 37 298 32 299 1.20E-53 218.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028008 6596 174.9 UdeM00000028008 XP_045162526.1 43.2 229
118 5 1 221 70 294 1.20E-40 174.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028010 6596 174.9 UdeM00000028010 XP_045162526.1 43.2 229
118 5 1 221 70 294 1.20E-40 174.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028012 6596 174.9 UdeM00000028012 XP_045162526.1 43.2 229
118 5 1 221 70 294 1.20E-40 174.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028013 6596 213.8 UdeM00000028013 XP_045172998.1 42.9 259
135 6 56 304 40 295 3.10E-52 213.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028014 6596 213.4 UdeM00000028014 XP_045176915.1 42.1 271
144 6 73 333 33 300 4.40E-52 213.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028015 10224 63.2 UdeM00000028015 XP_006815309.1 52.9 51
24 0 16 66 116 166 1.50E-07 63.2 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii

UdeM00000028016 6596 217.6 UdeM00000028016 XP_045172998.1 37.4 297
169 6 17 304 7 295 2.20E-53 217.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028018 6579 214.9 UdeM00000028018 XP_033748589.1 86.3 117
15 1 1 116 21 137 5.40E-53 214.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028019 6596 734.6 UdeM00000028019 XP_045173880.1 53 719
324 4 1 710 1 714 1.20E-208 734.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028020 6579 245.4 UdeM00000028020 XP_033748591.1 61.9 189
71 1 64 251 730 918 8.50E-62 245.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028021 6565 815.1 UdeM00000028021 XP_022339096.1 55.3 771
324 4 110 866 937 1700 8.70E-233 815.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028022 6565 648.7 UdeM00000028022 XP_022339096.1 35.8 1191
324 5 110 1286 937 1700 1.60E-182 648.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028023 29159 191.8 UdeM00000028023 XP_019929068.2 22.6 712
470 17 280 972 7 656 4.90E-45 191.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028024 6596 218 UdeM00000028024 XP_045173993.1 60 175
65 2 26 196 96 269 1.10E-53 218 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028025 6596 320.1 UdeM00000028025 XP_045173056.1 49.7 360
158 6 21 364 10 362 8.10E-84 320.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028026 225164 728.8 UdeM00000028026 XP_009053754.1 58.6
659 58 1 1 659 262 705 6.20E-207 728.8 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000028027 225164 131.3 UdeM00000028027 XP_009053754.1 100
63 0 0 1 63 192 254 4.60E-28 131.3 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000035758 1735272 162.5 UdeM00000035758 XP_041366813.1 47.9
142 74 0 6 147 42 183 5.50E-37 162.5 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035759 50390 127.9 UdeM00000035759 XP_028152353.1 37.7 151
83 2 55 203 3 144 1.50E-26 127.9 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera

UdeM00000035760 7130 116.7 UdeM00000035760 XP_037292574.1 46.6 116
52 3 63 177 56 162 3.00E-23 116.7 7130 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Bombycoidea;
Sphingidae;Sphinginae;Sphingini;Manduca;Manduca sexta

UdeM00000035761 29159 528.5 UdeM00000035761 XP_019926413.2 70.7 379
103 4 1 379 239 609 7.90E-147 528.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035762 166361 127.9 UdeM00000035762 XP_022900320.1 36.6
172 82 3 46 199 18 180 1.50E-26 127.9 166361

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Scar
abaeiformia;Scarabaeoidea;Scarabaeidae;Scarabaeinae;Scarabaeinae incertae
sedis;Onthophagus;Onthophagus taurus

UdeM00000035763 7137 116.7 UdeM00000035763 XP_026755150.1 46.4 125
55 4 67 190 46 159 3.30E-23 116.7 7137 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Pyraloidea;P
yralidae;Galleriinae;Galleria;Galleria mellonella

UdeM00000035764 29159 171.8 UdeM00000035764 XP_034331549.1 44.5 238
110 6 7 228 221 452 1.00E-39 171.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000035765 90988 153.3 UdeM00000035765 XP_039535825.1 58.7 121
50 0 1 121 111 231 2.00E-34 153.3 90988 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Otomorpha; Ostariophysi; Otophysi; Cypriniphysae; Cypriniformes; Cyprino
idei; Leuciscidae; Pogonichthyinae; Pimephales; Pimephales promelas
UdeM00000035766 166361 119.8 UdeM00000035766 XP_022900320.1 45
111 52 1 62 172 51 152 3.60E-24 119.8 166361
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Scar
abaeiformia; Scarabaeoidea; Scarabaeidae; Scarabaeinae; Scarabaeinae incertae
sedis; Onthophagus; Onthophagus taurus
UdeM00000035767 7130 118.6 UdeM00000035767 XP_037292574.1 41.4 128
65 2 51 177 44 162 7.90E-24 118.6 7130 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Amphiesmenoptera; Lepidopt
era; Glossata; Neolepidoptera; Heteroneura; Ditrysia; Obtectomera; Bombycoidea;
Sphingidae; Sphinginae; Sphingini; Manduca; Manduca sexta
UdeM00000035769 7130 120.2 UdeM00000035769 XP_037292574.1 41.4 128
65 2 51 177 44 162 2.70E-24 120.2 7130 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Amphiesmenoptera; Lepidopt
era; Glossata; Neolepidoptera; Heteroneura; Ditrysia; Obtectomera; Bombycoidea;
Sphingidae; Sphinginae; Sphingini; Manduca; Manduca sexta
UdeM00000035768 50390 134 UdeM00000035768 XP_028152353.1 37.9 153
84 2 53 203 1 144 2.10E-28 134 50390 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucu
jiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; D
iabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera
virgifera
UdeM00000035772 6596 602.8 UdeM00000035772 XP_045173500.1 68.8 468
128 14 1 459 1 459 3.60E-169 602.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000035773 6596 189.5 UdeM00000035773 XP_045173500.1 61.5 169
59 4 1 167 1 165 3.50E-45 189.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000035774 6596 360.1 UdeM00000035774 XP_045171891.1 44.1 404
220 2 3 406 1233 1630 3.90E-96 360.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035775 6596 365.2 UdeM00000035775 XP_045171891.1 43.3 423
234 2 11 433 1214 1630 1.30E-97 365.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035776 6596 365.5 UdeM00000035776 XP_045171891.1 43.4 422
234 2 11 432 1214 1630 9.80E-98 365.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035777 6596 268.9 UdeM00000035777 XP_045171891.1 45.8 286
153 1 11 296 1214 1497 1.20E-68 268.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035779 6596 1447.2 UdeM00000035779 XP_045171891.1 60.1
1166 442 9 14 1171 18 1168 0.00E+00 1447.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035780 1735272 68.2 UdeM00000035780 XP_041378866.1 46.7
75 35 2 1 75 1 70 6.10E-09 68.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035781 6596 299.7 UdeM00000035781 XP_045202427.1 32.6 717
437 16 13 695 11 715 9.90E-78 299.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035782 6596 596.7 UdeM00000035782 XP_045172794.1 56.7 529
214 4 1 524 140 658 3.30E-167 596.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035783 6596 197.6 UdeM00000035783 XP_045172794.1 73.4 109
29 0 46 154 19 127 1.20E-47 197.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035785 6596 339 UdeM00000035785 XP_045211867.1 45.5 378
179 7 167 537 92 449 1.10E-89 339 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035786 29159 150.2 UdeM00000035786 XP_011456886.2 31 310
186 5 11 317 445 729 4.40E-33 150.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000035789 29159 76.3 UdeM00000035789 XP_011456886.2 31 158
97 3 56 201 572 729 5.10E-11 76.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000035790 29159 164.9 UdeM00000035790 XP_011456886.2 53.7 136
63 0 1 136 398 533 8.50E-38 164.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000035791 6596 243 UdeM00000035791 XP_045211867.1 46.1 271
133 5 260 529 92 350 8.60E-61 243 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035792 6596 177.6 UdeM00000035792 XP_045211867.1 37.7 297
153 8 131 417 22 296 3.40E-41 177.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035793 29159 160.6 UdeM00000035793 XP_011456886.2 45.5 178
93 2 1 174 398 575 2.60E-36 160.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016546 6579 534.3 UdeM00000016546 XP_033761704.1 59.8 450
161 3 30 479 30 459 1.90E-148 534.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000016547 6596 605.5 UdeM00000016547 XP_045167578.1 44.8 724
383 10 37 747 738 1457 9.00E-170 605.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016548 6596 223.8 UdeM00000016548 XP_045167578.1 51.3 232
110 2 4 234 1228 1457 2.30E-55 223.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016549 29159 563.1 UdeM00000016549 XP_034317596.1 54 513
 231 2 7 519 70 577 3.60E-157 563.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016550 29159 532.7 UdeM00000016550 XP_034317596.1 45.3 632
 249 4 13 643 42 577 6.50E-148 532.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016551 29159 565.1 UdeM00000016551 XP_034317596.1 51.6 554
 249 4 13 565 42 577 1.00E-157 565.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016552 6596 76.3 UdeM00000016552 XP_045161632.1 28.6 161
 105 5 4 157 4 161 4.80E-11 76.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016554 8049 260.8 UdeM00000016554 XP_030193753.1 36.2 376
 224 4 134 504 17 381 3.70E-66 260.8 8049 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
 e;Gadus;Gadus morhua
 UdeM00000016555 6573 183.3 UdeM00000016555 XP_021376239.1 50.3 193
 83 5 1 183 1 190 3.10E-43 183.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016556 6596 77.8 UdeM00000016556 XP_045161632.1 28.6 161
 105 5 4 157 4 161 1.60E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016557 6579 1410.2 UdeM00000016557 XP_033761697.1 61.6
 1185 422 15 1 1169 1 1168 0.00E+00 1410.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016558 6596 167.5 UdeM00000016558 XP_045167794.1 79 100
 21 0 16 115 1439 1538 1.00E-38 167.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016559 6596 716.5 UdeM00000016559 XP_045167402.1 47.8 1016
 450 17 11 989 6 978 4.80E-203 716.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016560 7574 310.8 UdeM00000016560 XP_013416998.1 64 225
78 1 48 269 26 250 1.70E-81 310.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000016561 6579 490.3 UdeM00000016561 XP_033762035.1 66.5 340
113 1 4 343 7 345 2.00E-135 490.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016562 6565 80.5 UdeM00000016562 XP_022303168.1 52.9 68
32 0 1 68 210 277 1.00E-12 80.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016563 6596 347.8 UdeM00000016563 XP_045216346.1 63 270
99 1 21 289 2 271 1.40E-92 347.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016564 6596 553.9 UdeM00000016564 XP_045169715.1 52.5 516
235 4 5 510 3 518 2.20E-154 553.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016565 6596 550.1 UdeM00000016565 XP_045169715.1 52.1 516
237 4 5 510 3 518 3.10E-153 550.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016566 6596 367.9 UdeM00000016566 XP_045169747.1 52.7 351
158 4 22 371 140 483 1.60E-98 367.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016567 6596 149.8 UdeM00000016567 XP_045169747.1 47.7 149
70 3 1 149 1 141 2.70E-33 149.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044326 6596 275.4 UdeM00000044326 XP_045182881.1 66.8 217
66 4 10 226 1743 1953 6.50E-71 275.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044250 6596 206.8 UdeM00000044250 XP_045166864.1 34.4 326
 201 5 24 348 35 348 4.40E-50 206.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044251 6596 115.2 UdeM00000044251 XP_045166864.1 42.1 114
 64 1 24 135 35 148 8.10E-23 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044252 6596 125.6 UdeM00000044252 XP_045176830.1 45.3 150
 71 3 53 191 2 151 7.10E-26 125.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044253 6596 386.3 UdeM00000044253 XP_045174506.1 44.7 432
 223 6 14 433 90 517 5.10E-104 386.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044254 6596 915.6 UdeM00000044254 XP_045163820.1 65 672
 231 3 50 719 376 1045 5.50E-263 915.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033900 6596 553.9 UdeM00000033900 XP_045190086.1 51.6 554
 254 5 40 587 60 605 2.40E-154 553.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033901 6596 423.7 UdeM00000033901 XP_045190086.1 51.6 436
 199 4 40 471 178 605 3.10E-115 423.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033903 1415580 301.6 UdeM00000033903 XP_030075314.1 51.3
 316 135 4 3 315 326 625 1.20E-78 301.6 1415580
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopida
 e;Microcaecilia;Microcaecilia unicolor
 UdeM00000033904 7757 241.5 UdeM00000033904 XP_032835197.1 81.2 138
 26 0 75 212 1 138 9.80E-61 241.5 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000033905 6596 476.9 UdeM00000033905 XP_045200630.1 57.3 405
172 1 58 462 1 404 3.50E-131 476.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000033907 6573 186.4 UdeM00000033907 XP_021355115.1 49.8 428
145 10 76 483 477 854 8.40E-44 186.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033908 6573 186.8 UdeM00000033908 XP_021355115.1 48.1 418
170 10 76 486 477 854 6.50E-44 186.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033909 6596 280.8 UdeM00000033909 XP_045202271.1 49.9 341
147 6 1 333 1 325 2.70E-72 280.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000033910 6596 280.8 UdeM00000033910 XP_045202271.1 50 342
146 6 1 334 1 325 2.70E-72 280.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000033911 6526 619 UdeM00000033911 XP_013084021.1 63.1 485
177 2 11 493 42 526 5.20E-174 619 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan-
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata

UdeM00000033912 6596 72.4 UdeM00000033912 XP_045199732.1 34.1 132
83 2 159 287 329 459 1.30E-09 72.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000033913 6573 327.8 UdeM00000033913 XP_021362990.1 27.7 874
507 20 4 762 7 870 4.20E-86 327.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033914 400727 214.9 UdeM00000033914 XP_025106831.1 30.3
575 356 14 1 544 351 911 3.00E-52 214.9 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogla-
ssa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000033915 7574 211.8 UdeM00000033915 XP_023930431.1 36.6 331
 195 7 21 344 16 338 1.40E-51 211.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000033916 7741 281.6 UdeM00000033916 XP_019622111.1 50.9 275
 133 2 5 278 1 274 1.10E-72 281.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000033917 6596 197.6 UdeM00000033917 XP_045199418.1 35.8 338
 191 10 1 330 1 320 2.70E-47 197.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033918 30608 164.5 UdeM00000033918 XP_012602988.1 31.2 465
 281 12 2 434 424 881 4.60E-37 164.5 30608 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Strepsirrhini;Lemuriformes;Cheir
 ogaleidae;Microcebus;Microcebus murinus
 UdeM00000033920 591936 111.7 UdeM00000033920 XP_023062827.1 42.7
 131 73 2 19 149 47 175 8.30E-22 111.7 591936
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Catarri
 ni;Cercopithecoidea;Cercopithecidae;Colobinae;Piliocolobus;Piliocolobus
 tephrosceles
 UdeM00000033921 6596 266.5 UdeM00000033921 XP_045161521.1 33.2 614
 362 19 5 598 195 780 8.70E-68 266.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033922 6596 413.7 UdeM00000033922 XP_045201007.1 54.6 346
 154 2 1 344 820 1164 2.30E-112 413.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033923 6596 290 UdeM00000033923 XP_045201007.1 51.8 253
 119 2 1 251 820 1071 2.90E-75 290 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033924 6596 162.5 UdeM00000033924 XP_045201007.1 41.8 196
 111 2 16 211 560 752 6.60E-37 162.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033929 225164 196.1 UdeM00000033929 XP_009058200.1 45.7
230 98 3 1 230 1 203 5.10E-47 196.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000033930 6579 137.1 UdeM00000033930 XP_033752673.1 48.8 160
58 2 1 136 493 652 1.70E-29 137.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033931 225164 254.2 UdeM00000033931 XP_009058199.1 39.6
414 224 9 1 408 1 394 2.80E-64 254.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000033932 46514 118.6 UdeM00000033932 XP_038073135.1 41.9 148
79 2 1 148 393 533 6.90E-24 118.6 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000033933 1735272 90.9 UdeM00000033933 XP_041360299.1 63.6
66 24 0 38 103 1857 1922 1.10E-15 90.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033934 6579 137.5 UdeM00000033934 XP_033757476.1 53 132
54 2 23 146 93 224 1.40E-29 137.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033935 6596 157.9 UdeM00000033935 XP_045199433.1 28.4 563
287 18 1 458 210 761 3.50E-35 157.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033936 6596 153.7 UdeM00000033936 XP_045199433.1 28.3 562
273 19 1 442 210 761 6.50E-34 153.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033937 7574 199.1 UdeM00000033937 XP_023930431.1 37.5 299
162 10 4 288 14 301 7.90E-48 199.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000033938 133434 207.2 UdeM00000033938 XP_022112073.1 29.9
622 373 20 6 583 353 955 5.60E-50 207.2 133434

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci
UdeM00000033939 7574 236.1 UdeM00000033939 XP_023930431.1 41.4 321
165 10 18 325 28 338 6.60E-59 236.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000033942 6596 216.5 UdeM00000033942 XP_045199433.1 33.3 571
347 17 1 556 210 761 1.10E-52 216.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033943 6573 419.5 UdeM00000033943 XP_021362990.1 32.4 884
550 20 19 890 23 870 1.20E-113 419.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000033944 6565 571.2 UdeM00000033944 XP_022343426.1 65.5 472
144 5 2 464 3 464 1.30E-159 571.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000033945 29159 490 UdeM00000033945 XP_011442135.2 76.4 284
66 1 1 284 23 305 2.10E-135 490 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000033946 6596 715.3 UdeM00000033946 XP_045201325.1 63.7 512
179 4 38 545 28 536 6.20E-203 715.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033947 6596 265.4 UdeM00000033947 XP_045201753.1 73 159
43 0 12 170 7 165 6.00E-68 265.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033948 6596 1119.4 UdeM00000033948 XP_045200068.1 67.8
888 252 8 1 870 1 872 0.00E+00 1119.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000033949 1735272 400.6 UdeM00000033949 XP_041358548.1 39.4
786 423 23 10 768 2 761 4.50E-108 400.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000033950 6565 136.7 UdeM00000033950 XP_022337267.1 26.2 634
 365 20 1 592 1 573 9.40E-29 136.7 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000033953 6579 309.7 UdeM00000033953 XP_033760510.1 53 247
 116 0 7 253 5 251 3.50E-81 309.7 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000033954 6596 186.8 UdeM00000033954 XP_045200213.1 30.7 319
 212 4 1 317 27 338 4.70E-44 186.8 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000033955 6596 422.2 UdeM00000033955 XP_045199316.1 62.5 312
 116 1 1 311 1 312 5.90E-115 422.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000033956 225164 94.7 UdeM00000033956 XP_009065504.1 49.5
 95 46 2 41 133 14 108 9.60E-17 94.7 225164
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea;
 Lottiidae; Lottia; Lottia gigantea

UdeM00000033957 6579 446.8 UdeM00000033957 XP_033760044.1 38.1 755
 436 13 23 758 23 765 5.40E-122 446.8 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000033958 6596 288.1 UdeM00000033958 XP_045201904.1 86.5 155
 21 0 8 162 5 159 6.90E-75 288.1 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000033959 6596 187.6 UdeM00000033959 XP_045199613.1 91.4 93
 8 0 1 93 67 159 7.30E-45 187.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000033970 6596 527.7 UdeM00000033970 XP_045199418.1 35.9 932
 554 24 1 905 1 916 2.90E-146 527.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euhe-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000033971 6596 515 UdeM00000033971 XP_045200341.1 51.6 457
 219 2 16 471 20 475 1.00E-142 515 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033972 6573 485.7 UdeM00000033972 XP_021351466.1 54.9 430
 184 3 8 435 33 454 6.10E-134 485.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033973 6573 609 UdeM00000033973 XP_021377716.1 50 686
 304 14 1 670 166 828 7.90E-171 609 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033974 6596 128.6 UdeM00000033974 XP_045200612.1 49.6 123
 62 0 24 146 54 176 7.00E-27 128.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033975 400727 106.3 UdeM00000033975 XP_025079366.1 41.4
 140 79 2 11 150 267 403 3.70E-20 106.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000016046 6596 299.3 UdeM00000016046 XP_045202470.1 67.8 233
 73 2 43 274 97 328 2.60E-77 299.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016047 6596 845.1 UdeM00000016047 XP_045202470.1 75 559
 134 3 92 646 494 1050 5.90E-242 845.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016048 6596 852.4 UdeM00000016048 XP_045202470.1 75.7 559
 130 3 92 646 494 1050 3.70E-244 852.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016049 6596 85.9 UdeM00000016049 XP_045200554.1 44.4 90
 50 0 14 103 32 121 3.50E-14 85.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016050 6596 205.3 UdeM00000016050 XP_045200840.1 38.4 489
 231 20 1 443 1 465 1.60E-49 205.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016052 77115 190.3 UdeM00000016052 XP_038133414.1 41.6 245
128 4 12 248 145 382 3.10E-45 190.3 77115 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoides;Cyprinodontidae;Cyprinodontinae;Cyprinodontini;Cyprinodon;Cyprinodon tularosa

UdeM00000016051 40690 252.3 UdeM00000016051 XP_034006674.1 39.9 373
212 6 2 371 4 367 1.00E-63 252.3 40690 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothenioides;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000016053 2607531 113.2 UdeM00000016053 XP_029640350.1 70.3
91 24 1 47 137 506 593 2.70E-22 113.2 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000016054 225164 149.1 UdeM00000016054 XP_009062950.1 73.4
94 25 0 6 99 329 422 3.10E-33 149.1 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioides;Lottiidae;Lottia;Lottia gigantea

UdeM00000016055 6596 256.5 UdeM00000016055 XP_045183440.1 52.9 240
108 3 2 240 145 380 4.10E-65 256.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016056 6596 258.5 UdeM00000016056 XP_045183440.1 52.4 246
112 3 1 245 139 380 1.10E-65 258.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016057 6596 87.4 UdeM00000016057 XP_045202346.1 39.4 104
59 2 12 114 35 135 1.30E-14 87.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016058 6579 123.2 UdeM00000016058 XP_033760576.1 63.9 97
33 1 2 98 223 317 1.80E-25 123.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000016059 6579 287 UdeM00000016059 XP_033760576.1 59.2 250
98 2 5 252 70 317 2.40E-74 287 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000016060 6579 94 UdeM00000016060 XP_033760770.1 72.1 68
19 0 1 68 535 602 9.20E-17 94 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000016061 1735272 129.8 UdeM00000016061 XP_041351531.1 51
147 63 4 13 159 448 585 3.10E-27 129.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000016062 6596 145.2 UdeM00000016062 XP_045200476.1 29.6 538
233 16 85 568 34 479 2.60E-31 145.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016063 6596 132.1 UdeM00000016063 XP_045180427.1 39.4 274
111 4 1 220 1 273 9.20E-28 132.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016064 6596 290.4 UdeM00000016064 XP_045201501.1 86.6 157
21 0 1 157 416 572 1.40E-75 290.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016065 6596 694.9 UdeM00000016065 XP_045201501.1 72.8 478
122 4 133 606 99 572 9.30E-197 694.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016066 6573 82.8 UdeM00000016066 XP_021356325.1 42.4 99
42 2 8 91 38 136 3.40E-13 82.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000016067 6596 82.8 UdeM00000016067 XP_045201501.1 65.2 66
21 1 1 64 1 66 3.50E-13 82.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016068 6596 374.8 UdeM00000016068 XP_045201987.1 42.7 466
 245 8 19 482 8 453 1.80E-100 374.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016069 6596 352.8 UdeM00000016069 XP_045201987.1 41.2 466
 237 9 19 467 8 453 7.20E-94 352.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016071 6596 361.3 UdeM00000016071 XP_045201987.1 41.2 478
 263 5 47 522 31 492 2.10E-96 361.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016072 6596 223.4 UdeM00000016072 XP_045192227.1 40.4 292
 161 6 12 301 157 437 3.90E-55 223.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016073 6596 229.9 UdeM00000016073 XP_045192227.1 41.8 294
 154 6 12 301 157 437 4.10E-57 229.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016074 6596 226.5 UdeM00000016074 XP_045192227.1 41.9 270
 152 4 34 301 171 437 4.60E-56 226.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016075 6579 432.2 UdeM00000016075 XP_033743085.1 54.1 386
 168 4 50 427 310 694 7.80E-118 432.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016077 6579 446.4 UdeM00000016077 XP_033743085.1 55.4 386
 163 4 50 427 310 694 4.00E-122 446.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016078 6596 219.9 UdeM00000016078 XP_045201259.1 34.9 1009
 488 21 1 892 787 1743 1.30E-53 219.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016079 6565 107.8 UdeM00000016079 XP_022338332.1 43.5 161
 84 4 696 854 495 650 6.80E-20 107.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000016081 6596 129.4 UdeM00000016081 XP_045212482.1 44.8 134
74 0 6 139 157 290 7.00E-27 129.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016082 6596 251.1 UdeM00000016082 XP_045212482.1 45 300
156 5 12 305 13 309 2.40E-63 251.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016083 6596 352.4 UdeM00000016083 XP_045199842.1 42 426
244 3 7 430 5 429 8.00E-94 352.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016084 6596 321.6 UdeM00000016084 XP_045199842.1 40.4 426
251 3 57 480 5 429 1.70E-84 321.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016085 6596 368.2 UdeM00000016085 XP_045200210.1 58.9 280
115 0 227 506 271 550 1.70E-98 368.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016086 6596 359.8 UdeM00000016086 XP_045200211.1 65.2 319
90 10 1 304 5 317 4.10E-96 359.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016087 6596 358.2 UdeM00000016087 XP_045200211.1 65.5 316
90 10 1 300 5 317 1.20E-95 358.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016088 6596 365.2 UdeM00000016088 XP_045200211.1 65.8 316
90 9 1 301 5 317 9.70E-98 365.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016089 2652724 90.1 UdeM00000016089 XP_020913146.1 60
70 28 0 16 85 177 246 1.50E-15 90.1 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000016091 6526 139.4 UdeM00000016091 XP_013067632.1 33.6 271
133 10 20 268 29 274 6.90E-30 139.4 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biophalarina;Biophalarina
glabrata
UdeM00000016092 6596 164.1 UdeM00000016092 XP_045199366.1 57.5 113
48 0 21 133 371 483 1.30E-37 164.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016094 114398 267.3 UdeM00000016094 XP_042903861.1 36.7
439 240 7 5 411 170 602 3.20E-68 267.3 114398
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbicularia;Aranezoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum
UdeM00000016095 6596 129.8 UdeM00000016095 XP_045199507.1 32.9 228
142 2 9 236 50 266 5.40E-27 129.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016096 29159 705.7 UdeM00000016096 XP_019921825.2 58.1 573
236 4 26 596 24 594 5.40E-200 705.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostrezoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016097 1735272 106.7 UdeM00000016097 XP_041359297.1 33.5
221 117 5 3 223 48 238 4.20E-20 106.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000016098 6596 159.1 UdeM00000016098 XP_045200792.1 55.4 139
62 0 3 141 762 900 4.30E-36 159.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016099 8175 471.9 UdeM00000016099 XP_030282862.1 38.3 710
401 10 9 706 3 687 2.20E-129 471.9 8175 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Spariformes;Sparidae
;Sparus;Sparus aurata
UdeM00000016100 6596 937.2 UdeM00000016100 XP_045200792.1 62.6 770
270 6 1 761 1 761 1.30E-269 937.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016102 6596 368.2 UdeM00000016102 XP_045200793.1 68.2 280
82 3 1 279 1 274 1.00E-98 368.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016103 150288 237.3 UdeM00000016103 XP_020788097.1 67.3
147 48 0 1 147 365 511 1.30E-59 237.3 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000016104 50390 266.2 UdeM00000016104 XP_028142380.1 61.7 175
67 0 3 177 229 403 3.10E-68 266.2 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000016105 50390 285.8 UdeM00000016105 XP_028142380.1 65.1 175
61 0 1 175 115 289 3.70E-74 285.8 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000016106 151771 107.1 UdeM00000016106 XP_028406815.1 38.2
157 96 1 47 203 162 317 2.70E-20 107.1 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000016107 6596 264.6 UdeM00000016107 XP_045213216.1 52.3 256
119 3 1 254 337 591 1.30E-67 264.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016108 6596 167.5 UdeM00000016108 XP_045213216.1 60.7 122
48 0 1 122 60 181 1.20E-38 167.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016109 225164 1086.2 UdeM00000016109 XP_009053272.1
 69.2 779 224 5 1 770 1 772 0.00E+00 1086.2
 225164 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000016110 225164 1081.6 UdeM00000016110 XP_009053272.1
 69.1 780 224 6 1 771 1 772 0.00E+00 1081.6
 225164 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000016111 13397 68.6 UdeM00000016111 XP_041036042.1 25.5 141
 89 4 104 244 2 126 1.30E-08 68.6 13397 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
 don;Carcharodon carcharias
 UdeM00000016112 36176 77.8 UdeM00000016112 XP_043550614.1 30.4 158
 92 6 53 208 27 168 1.90E-11 77.8 36176 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Hemiscylliidae;Chilosc
 yllium;Chiloscyllium plagiosum
 UdeM00000016114 6579 906 UdeM00000016114 XP_033760813.1 45 1350
 617 42 32 1335 286 1555 5.80E-260 906 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016115 6596 219.9 UdeM00000016115 XP_045200253.1 32.5 453
 279 9 9 439 147 594 6.30E-54 219.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016116 6596 280.4 UdeM00000016116 XP_045200254.1 35.9 552
 153 11 4 363 6 548 3.20E-72 280.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016117 6596 254.2 UdeM00000016117 XP_045199522.1 49.6 248
 109 6 37 281 50 284 1.90E-64 254.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016118 6596 243 UdeM00000016118 XP_045199522.1 47 253
 118 6 32 281 45 284 4.40E-61 243 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000044277 1735272 405.6 UdeM00000044277 XP_041354926.1 62.7
 308 114 1 41 348 57 363 6.40E-110 405.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000044278 6573 218 UdeM00000044278 XP_021368888.1 68.2 148
 46 1 1 147 213 360 8.00E-54 218 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044279 6087 103.2 UdeM00000044279 XP_012560424.1 58 81
 33 1 51 130 83 163 2.50E-19 103.2 6087 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
 oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
 UdeM00000044280 29159 409.1 UdeM00000044280 XP_034331235.1 56.7 363
 139 5 1 348 1 360 5.80E-111 409.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044281 29159 362.5 UdeM00000044281 XP_034331235.1 64 267
 91 4 44 308 97 360 5.50E-97 362.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044282 1735272 405.6 UdeM00000044282 XP_041354926.1 62.7
 308 114 1 41 348 57 363 6.40E-110 405.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000044283 29159 320.9 UdeM00000044283 XP_034331235.1 49.3 339
 101 5 28 298 25 360 1.80E-84 320.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044370 6596 382.1 UdeM00000044370 XP_045161383.1 42 491
 231 6 1 465 1 463 1.00E-102 382.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044371 6573 238.4 UdeM00000044371 XP_021375406.1 46.8 237
 126 0 98 334 234 470 1.30E-59 238.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044372 6596 147.1 UdeM00000044372 XP_045181714.1 28.6 343
 233 6 16 352 16 352 5.60E-32 147.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030157 6565 427.9 UdeM00000030157 XP_022328252.1 49.3 454
 211 6 2 437 863 1315 1.50E-116 427.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030158 6565 109.4 UdeM00000030158 XP_022314409.1 39.5 177
 89 5 1 159 1139 1315 4.30E-21 109.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030156 225164 542 UdeM00000030156 XP_009062081.1 61.8
 424 158 2 9 429 16 438 7.10E-151 542 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000030159 37653 228 UdeM00000030159 XP_014776462.1 60.3 330
 124 2 1 323 1 330 2.10E-56 228 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000030160 37653 228 UdeM00000030160 XP_014776462.1 60.3 330
 124 2 1 323 1 330 2.00E-56 228 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000030161 6596 93.6 UdeM00000030161 XP_045212706.1 26.5 230
 158 5 20 248 15 234 3.80E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030162 6596 252.3 UdeM00000030162 XP_045212706.1 26.7 817
 471 25 20 741 15 798 1.90E-63 252.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030163 400727 87.4 UdeM00000030163 XP_025090641.1 58.7
 75 31 0 4 78 5 79 8.70E-15 87.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000030164 29159 186.4 UdeM00000030164 XP_011419612.2 52.8 178
 82 1 19 196 25 200 3.50E-44 186.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030167 6596 110.9 UdeM00000030167 XP_045212501.1 96.4 56
 2 0 77 132 417 472 1.20E-21 110.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030168 6596 356.7 UdeM00000030168 XP_045212502.1 93.3 193
 13 0 2 194 57 249 1.90E-95 356.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030170 2607531 402.1 UdeM00000030170 XP_029637356.2 55.7
 569 181 6 234 796 395 898 1.60E-108 402.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000030171 6596 2823.9 UdeM00000030171 XP_045210913.1 46.3
 3459 1697 46 5 3346 5988 9404 0.00E+00 2823.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030172 6596 2822.7 UdeM00000030172 XP_045210913.1 46.5
 3438 1684 45 5 3328 5988 9383 0.00E+00 2822.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030173 29159 100.1 UdeM00000030173 XP_034312911.1 46.2 104
 56 0 1 104 2808 2911 2.20E-18 100.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030174 6565 2694.1 UdeM00000030174 XP_022317156.1 46.6
 3333 1569 35 2 3273 2777 5959 0.00E+00 2694.1 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030175 6565 1717.6 UdeM00000030175 XP_022317156.1 44.1
 2314 1219 36 2476 4753 501 2775 0.00E+00 1717.6 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030176 6573 80.5 UdeM00000030176 XP_021357314.1 37.7 130
 66 4 1 128 4 120 7.50E-12 80.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030177 6526 113.2 UdeM00000030177 XP_013085977.1 48.5 132
 62 3 4 135 2 127 2.60E-22 113.2 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan

pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000030178 7574 61.6 UdeM00000030178 XP_013384015.1 54.7 64
28 1 6 69 186 248 4.70E-07 61.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030180 6573 110.2 UdeM00000030180 XP_021363414.1 45.2 188
73 5 4 186 31 193 3.00E-21 110.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000030181 6565 107.8 UdeM00000030181 XP_022300575.1 51.9 108
46 1 586 693 198 299 5.50E-20 107.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000030182 29159 68.9 UdeM00000030182 XP_034320570.1 48.1 77
39 1 3 79 774 849 3.60E-09 68.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000030183 29053 78.6 UdeM00000030183 XP_023246665.1 45.3 106
46 4 22 115 243 348 8.90E-12 78.6 29053 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
sitoida;Chalcidoidea;Encyrtidae;Encyrtinae;Copidosoma;Copidosoma

floridanum

UdeM00000030185 6596 1603.2 UdeM00000030185 XP_045210815.1 59
1326 520 9 10 1313 1649 2972 0.00E+00 1603.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030186 6596 349 UdeM00000030186 XP_045210815.1 50.5 325
152 3 10 325 1649 1973 7.70E-93 349 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030187 6596 1031.6 UdeM00000030187 XP_045210815.1 37.2
1675 880 23 31 1585 28 1650 1.10E-297 1031.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030188 7574 183.3 UdeM00000030188 XP_013382963.1 72.3 112
31 0 1 112 937 1048 1.80E-43 183.3 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000030189 6579 350.9 UdeM00000030189 XP_033734423.1 45 413
 197 8 31 416 796 1205 2.20E-93 350.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030190 8005 504.2 UdeM00000030190 XP_035380990.1 45.4 646
 283 9 1 605 29 645 2.80E-139 504.2 8005 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Gymnotiformes;Gymnoto
 idei;Gymnotidae;Electrophorus;Electrophorus electricus
 UdeM00000030192 6596 1218 UdeM00000030192 XP_045214866.1 77 854
 182 7 8 850 3 853 0.00E+00 1218 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030193 6596 1220.3 UdeM00000030193 XP_045214868.1 77.1
 856 182 7 8 852 3 855 0.00E+00 1220.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030194 6565 582 UdeM00000030194 XP_022313681.1 73.3 390
 103 1 7 396 8 396 5.60E-163 582 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030195 6565 557 UdeM00000030195 XP_022313681.1 74.3 370
 94 1 7 376 8 376 2.30E-155 557 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030196 6596 283.1 UdeM00000030196 XP_045212522.1 61.4 223
 84 1 1 221 26 248 3.00E-73 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030197 6596 583.9 UdeM00000030197 XP_045214535.1 66.7 417
 129 2 3 416 4 413 1.60E-163 583.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030201 218467 70.5 UdeM00000030201 XP_023232316.1 33.1
 127 83 2 20 144 59 185 2.80E-09 70.5 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000030206 6945 88.2 UdeM00000030206 XP_040070898.1 29 210
 123 7 5 192 2 207 1.40E-14 88.2 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000030209 218467 85.9 UdeM00000030209 XP_023232316.1 32.9
 170 102 3 23 181 17 185 1.00E-13 85.9 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000030211 6579 90.1 UdeM00000030211 XP_033727573.1 30.1 219
 130 5 13 209 45 262 5.30E-15 90.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030212 218467 86.3 UdeM00000030212 XP_023232316.1 31.8
 170 104 4 23 181 17 185 7.60E-14 86.3 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000030213 6579 90.9 UdeM00000030213 XP_033727573.1 30.9 217
 127 5 13 207 45 260 3.10E-15 90.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030214 6579 90.9 UdeM00000030214 XP_033727573.1 30.9 217
 127 5 13 207 45 260 3.10E-15 90.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030215 6579 93.6 UdeM00000030215 XP_033727573.1 31.4 220
 130 5 13 215 45 260 4.80E-16 93.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030216 218467 87 UdeM00000030216 XP_023232316.1 35.8
 151 86 3 42 181 35 185 4.60E-14 87 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000030217 6579 87.8 UdeM00000030217 XP_033727573.1 29.7 219
 131 5 13 209 45 262 2.60E-14 87.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030218 6579 93.6 UdeM00000030218 XP_033727573.1 31.4 220
 130 5 13 215 45 260 4.80E-16 93.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039299 29159 65.5 UdeM00000039299 XP_034302502.1 34.6 127
 71 2 10 124 391 517 5.90E-08 65.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039300 6565 124 UdeM00000039300 XP_022299727.1 51.7 118
 56 1 2 119 161 277 1.50E-25 124 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039301 6596 60.5 UdeM00000039301 XP_045197645.1 34.2 114
 44 3 108 190 30 143 2.80E-06 60.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039302 6596 349.7 UdeM00000039302 XP_045181000.1 50.4 663
 135 11 1 501 947 1577 6.10E-93 349.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039303 6945 64.7 UdeM00000039303 XP_042146206.1 29.1 151
 91 2 37 171 88 238 1.70E-07 64.7 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000039310 6596 58.5 UdeM00000039310 XP_045201969.1 64.1 39
 14 0 53 91 30 68 5.00E-06 58.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039313 29159 629.4 UdeM00000039313 XP_034322429.1 36.6 1176
 583 19 6 1029 3 1168 8.00E-177 629.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039314 1735272 120.2 UdeM00000039314 XP_041356959.1 61.4
 101 38 1 171 271 116 215 6.20E-24 120.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039315 29159 66.2 UdeM00000039315 XP_034307860.1 65.9 44
 15 0 1 44 1 44 1.80E-08 66.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039320 6596 481.1 UdeM00000039320 XP_045187150.1 49.4 488
 242 2 1 488 135 617 1.70E-132 481.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039321 6596 62.4 UdeM00000039321 XP_045210831.1 31.2 141
 40 2 1 84 1 141 3.20E-07 62.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044378 109280 168.7 UdeM00000044378 XP_019729826.1 40.7
 209 107 1 6 197 10 218 7.40E-39 168.7 109280
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Syngnathia;Syngnathiformes;S
 yngnathoidei;Syngnathidae;Hippocampinae;Hippocampus;Hippocampus comes
 UdeM00000022045 6596 122.5 UdeM00000022045 XP_045208094.1 33.5 340
 184 9 1 303 1 335 4.70E-24 122.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022046 29159 703.4 UdeM00000022046 NP_001292237.1 70.8 511
 133 4 28 527 17 522 2.30E-199 703.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022047 6579 624 UdeM00000022047 XP_033732046.1 56.6 579
 205 7 19 576 3 556 1.90E-175 624 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022048 6579 530.4 UdeM00000022048 XP_033731861.1 86.2 298
 41 0 1 298 1 298 1.50E-147 530.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022049 37653 137.9 UdeM00000022049 XP_014776564.1 61.9 113
 43 0 162 274 207 319 2.00E-29 137.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000022050 6579 98.6 UdeM00000022050 XP_033734370.1 38.2 165
 92 4 61 222 161 318 1.10E-17 98.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022051 7741 99.4 UdeM00000022051 XP_019615443.1 35.6 188
 91 7 10 172 189 371 4.80E-18 99.4 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000022052 7741 99.4 UdeM00000022052 XP_019615443.1 35.6 188
 91 7 10 172 189 371 4.80E-18 99.4 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000022054 130454 62.4 UdeM00000022054 XP_016199314.1 33.3
 96 64 0 1 96 44 139 3.70E-07 62.4 130454
 cellular
 organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
 ;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
 udicotyledons;Gunneridae;Pentapetalae;rosids;fabids;Fabales;Fabaceae;Papi
 lionoideae;50 kb inversion clade;dalbergioids sensu
 lato;Dalbergieae;Pterocarpus clade;Arachis;Arachis ipaensis
 UdeM00000022058 1735272 278.1 UdeM00000022058 XP_041361646.1 38.8
 379 220 2 59 437 33 399 1.90E-71 278.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022059 6573 516.2 UdeM00000022059 XP_021342730.1 29 1282
 814 48 1 1249 308 1526 1.30E-142 516.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022060 6596 733.4 UdeM00000022060 XP_045181024.1 40.5 1010
 542 17 32 1000 33 1024 4.40E-208 733.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022061 6596 740.3 UdeM00000022061 XP_045181024.1 39.1 1036
 584 18 9 1023 15 1024 3.90E-210 740.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022062 6565 217.6 UdeM00000022062 XP_022325549.1 79.3 140
 28 1 1 140 1 139 4.20E-53 217.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022063 27457 130.2 UdeM00000022063 XP_029404141.1 38.6 236
 143 1 26 259 21 256 6.00E-27 130.2 27457 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscom
 orpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Tephritoidea;Tephri
 tidae;Dacinae;Dacini;Bactrocera;Bactrocera;Bactrocera dorsalis
 complex;Bactrocera dorsalis
 UdeM00000022064 6596 290.4 UdeM00000022064 XP_045209474.1 71 248
 67 3 27 273 697 940 2.30E-75 290.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022065 6565 186.4 UdeM00000022065 XP_022298521.1 72.3 137
 30 2 213 348 201 330 6.10E-44 186.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022067 6596 71.2 UdeM00000022067 XP_045202205.1 35 140
 83 4 232 365 52 189 3.00E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022068 6596 71.2 UdeM00000022068 XP_045202205.1 32.5 166
 99 6 206 365 31 189 3.00E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022069 6596 71.6 UdeM00000022069 XP_045202205.1 35.7 140
 82 4 231 364 52 189 2.30E-09 71.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022070 6565 105.9 UdeM00000022070 XP_022336327.1 38.8 116
 69 1 17 132 623 736 4.10E-20 105.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022071 6579 197.6 UdeM00000022071 XP_033731831.1 32 372
 203 11 27 354 371 736 3.30E-47 197.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022072 386614 293.1 UdeM00000022072 XP_032871159.1 27.8
 690 404 22 1 617 689 1357 9.10E-76 293.1 386614
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
 UdeM00000022075 1529436 250 UdeM00000022075 XP_033107416.1 25.9
 731 431 24 48 686 973 1684 9.80E-63 250 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000022076 6579 167.9 UdeM00000022076 XP_033731831.1 35.8 271
 148 7 31 280 465 730 2.30E-38 167.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022077 6579 167.5 UdeM00000022077 XP_033731831.1 35.8 271
 154 7 31 286 465 730 3.10E-38 167.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000022078 6573 177.9 UdeM00000022078 XP_021354592.1 33.8 278
163 6 31 291 606 879 2.40E-41 177.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000022079 6596 167.9 UdeM00000022079 XP_045209078.1 33.2 283
158 6 34 285 1954 2236 2.40E-38 167.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022081 6573 154.5 UdeM00000022081 XP_021354592.1 29.7 276
158 5 31 272 609 882 2.60E-34 154.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000022082 6596 1166 UdeM00000022082 XP_045208111.1 59.3 932
371 4 8 934 2 930 0.00E+00 1166 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022083 6573 236.9 UdeM00000022083 XP_021380334.1 41.8 292
160 7 5 292 11 296 3.40E-59 236.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000022086 6596 356.7 UdeM00000022086 XP_045207469.1 57.2 339
105 4 1 337 1 301 3.70E-95 356.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022085 1735272 383.3 UdeM00000022085 XP_041372312.1 50
454 201 9 1 438 1 444 4.30E-103 383.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000022087 37653 75.5 UdeM00000022087 XP_014781739.1 54.9 71
27 1 2 72 328 393 3.20E-11 75.5 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000022088 6579 110.2 UdeM00000022088 XP_033732828.1 61.4 83
32 0 2 84 28 110 1.40E-21 110.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000022089 37653 346.3 UdeM00000022089 XP_014785886.1 54.2 306
134 3 25 325 26 330 4.60E-92 346.3 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000022090 6596 568.5 UdeM00000022090 XP_045207731.1 67.8 419
133 1 1 419 1 417 6.90E-159 568.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022091 6596 160.6 UdeM00000022091 XP_045209105.1 62.2 148
49 2 74 221 38 178 2.30E-36 160.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022092 1735272 112.5 UdeM00000022092 XP_041371786.1 42.1
126 73 0 24 149 1203 1328 4.90E-22 112.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000022093 6596 294.3 UdeM00000022093 XP_045208831.1 64.2 204
72 1 16 218 2040 2243 1.30E-76 294.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022094 6596 420.2 UdeM00000022094 XP_045208831.1 68.6 287
84 2 15 297 2236 2520 2.30E-114 420.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022095 6596 603.2 UdeM00000022095 XP_045210140.1 70.2 413
120 2 1 411 1 412 2.50E-169 603.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022096 6573 247.3 UdeM00000022096 XP_021341669.1 23.6 2132
1163 62 496 2443 397 2247 2.00E-61 247.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000022097 6596 293.9 UdeM00000022097 XP_045207972.1 57.7 241
96 2 3 243 63 297 1.90E-76 293.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000022098 6596 293.9 UdeM00000022098 XP_045207972.1 57.7 241
96 2 3 243 63 297 1.90E-76 293.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022099 6596 633.3 UdeM00000022099 XP_045207971.1 78.6 392
 83 1 37 428 36 426 2.30E-178 633.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022102 6579 270 UdeM00000022102 XP_033732836.1 48.8 422
 181 7 4 402 324 733 4.80E-69 270 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000022100 6573 506.1 UdeM00000022100 XP_021357035.1 55.1 755
 289 15 1 727 1 733 7.20E-140 506.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022101 6573 508.8 UdeM00000022101 XP_021357035.1 55.2 755
 289 15 1 728 1 733 1.10E-140 508.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022103 6565 803.5 UdeM00000022103 XP_022344301.1 58.8 844
 267 7 5 846 3 767 2.60E-229 803.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000022104 6596 638.6 UdeM00000022104 XP_045210129.1 63.6 473
 171 1 1 473 1 472 7.10E-180 638.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022105 1735272 188.3 UdeM00000022105 XP_041371797.1 37.5
 331 128 8 8 261 10 338 1.20E-44 188.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000022106 6596 636 UdeM00000022106 XP_045207948.1 60 515
 189 6 7 514 6 510 4.30E-179 636 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000022107 6573 101.7 UdeM00000022107 XP_021347518.1 63.4 93
 28 3 35 125 24 112 8.60E-19 101.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000022108 6573 151.4 UdeM00000022108 XP_021347518.1 54.7 214
 61 6 35 244 24 205 2.20E-33 151.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000022109 6573 75.5 UdeM00000022109 XP_021347521.1 46.8 141
44 3 46 185 2 112 1.30E-10 75.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000022110 29159 452.6 UdeM00000022110 XP_011420472.1 75.3 291
70 2 120 410 307 595 5.40E-124 452.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000022111 6596 286.6 UdeM00000022111 XP_045208968.1 46.3 322
165 5 21 336 1620 1939 4.20E-74 286.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000022112 6579 525 UdeM00000022112 XP_033724844.1 41 770
374 14 1 715 519 1263 1.60E-145 525 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000022113 6579 582.4 UdeM00000022113 XP_033724844.1 44.3 758
354 12 1 703 519 1263 8.20E-163 582.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000022114 70779 127.9 UdeM00000022114 XP_015764363.1 34.4 279
143 9 4 251 6 275 2.10E-26 127.9 70779 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora digitifera
UdeM00000022115 1735272 374 UdeM00000022115 XP_041372305.1 49.4
407 196 6 14 417 52 451 2.50E-100 374 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000022117 6573 188.7 UdeM00000022117 XP_021366217.1 24.8 654
432 18 16 648 14 628 2.30E-44 188.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000022118 6596 221.9 UdeM00000022118 XP_045181714.1 25.8 662
461 18 8 660 12 652 2.50E-54 221.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000022119 1735272 417.2 UdeM00000022119 XP_041371937.1 51.2
525 199 10 8 506 77 570 3.40E-113 417.2 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000022120 6596 732.6 UdeM00000022120 XP_045208073.1 75.2 504
117 3 7 508 6 503 3.30E-208 732.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022121 6573 1053.5 UdeM00000022121 XP_021341671.1 74.9
689 171 2 1 687 1 689 1.20E-304 1053.5 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000022122 6596 69.7 UdeM00000022122 XP_045209203.1 24.9 285
204 7 1 281 3087 3365 6.80E-09 69.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022123 6565 138.3 UdeM00000022123 XP_022328252.1 48.3 149
71 2 1 143 1105 1253 7.90E-30 138.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000022124 6596 1107.8 UdeM00000022124 XP_045209202.1 37
1624 869 32 374 1874 632 2224 0.00E+00 1107.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022126 6526 158.3 UdeM00000022126 XP_013096082.1 68.3 126
25 3 48 171 6 118 9.00E-36 158.3 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000022125 29159 453 UdeM00000022125 XP_011418868.1 67.3 346
80 6 52 384 1 326 4.10E-124 453 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000022128 6596 496.1 UdeM00000022128 XP_045210063.1 55 456
180 5 3 445 123 566 4.60E-137 496.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000022129 6596 498.4 UdeM00000022129 XP_045210063.1 55.8 446
177 4 3 430 123 566 8.90E-138 498.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022127 90988 157.9 UdeM00000022127 XP_039535825.1 56.8 132
 57 0 1 132 111 242 8.80E-36 157.9 90988 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;
 Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinidae;Leuciscidae;
 Pogonichthyinae;Pimephales;Pimephales promelas
 UdeM00000022130 29159 564.7 UdeM00000022130 XP_011453243.2 75.9 328
 79 0 2 329 4 331 7.80E-158 564.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022131 29159 390.2 UdeM00000022131 XP_011453243.2 58.2 328
 65 1 2 257 4 331 2.10E-105 390.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022132 29159 121.7 UdeM00000022132 XP_034307341.1 31.6 282
 161 5 8 258 59 339 1.80E-24 121.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000022133 6596 328.2 UdeM00000022133 XP_045210058.1 75.6 205
 47 1 6 207 53 257 7.70E-87 328.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022134 6596 309.7 UdeM00000022134 XP_045210058.1 71.5 207
 46 1 2 195 51 257 2.70E-81 309.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000022135 6596 320.5 UdeM00000022135 XP_045210058.1 78.1 192
 42 0 2 193 51 242 1.70E-84 320.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000043703 6596 440.3 UdeM00000043703 XP_045161383.1 47.3 480
 235 6 1 479 1 463 3.30E-120 440.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000043704 6596 440.3 UdeM00000043704 XP_045161383.1 47.3 480
 235 6 1 479 1 463 3.30E-120 440.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043705 6596 147.1 UdeM00000043705 XP_045181714.1 28.6 343
 233 6 16 352 16 352 5.60E-32 147.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043706 6596 392.5 UdeM00000043706 XP_045161383.1 42.6 491
 242 6 1 479 1 463 7.80E-106 392.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037111 6565 279.6 UdeM00000037111 XP_022288938.1 42.1 382
 146 7 1 316 197 569 5.20E-72 279.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037112 6706 150.2 UdeM00000037112 XP_042235765.1 43.3 157
 89 0 1 157 1 157 2.20E-33 150.2 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000037113 6573 356.3 UdeM00000037113 XP_021359188.1 64.4 253
 87 1 1 253 1 250 3.50E-95 356.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037114 2607531 542.7 UdeM00000037114 XP_029642003.1 50.2
 528 258 4 1 526 112 636 5.10E-151 542.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000037115 8049 82 UdeM00000037115 XP_030193219.1 56.7 60
 26 0 93 152 157 216 1.70E-12 82 8049 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
 e;Gadus;Gadus morhua
 UdeM00000037116 6596 341.7 UdeM00000037116 XP_045199278.1 53.7 322
 133 3 4 319 129 440 1.10E-90 341.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037117 2607531 102.8 UdeM00000037117 XP_029642003.1 51.1
 88 43 0 5 92 549 636 2.50E-19 102.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000037118 6596 226.1 UdeM00000037118 XP_045161852.1 27.7 649
 424 14 45 669 46 673 1.30E-55 226.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037120 6579 97.8 UdeM00000037120 XP_033737047.1 35.4 164
 95 4 1 158 4254 4412 1.30E-17 97.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037121 6596 81.6 UdeM00000037121 XP_045160921.1 47.9 71
 37 0 1 71 3748 3818 4.30E-13 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037122 6579 88.6 UdeM00000037122 XP_033737047.1 35 160
 96 4 5 163 3964 4116 9.10E-15 88.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037123 6579 128.3 UdeM00000037123 XP_033737047.1 31.6 209
 143 0 103 311 3661 3869 1.80E-26 128.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037124 6596 89 UdeM00000037124 XP_045161852.1 30.2 222
 138 6 45 257 46 259 1.20E-14 89 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037125 217634 109 UdeM00000037125 XP_018578351.1 53.6
 84 39 0 121 204 59 142 1.40E-20 109 217634
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Cerambycidae;Lamiinae;Lamiini;Anoplophora;Anoplop
 hora glabripennis
 UdeM00000037130 6596 795 UdeM00000037130 XP_045199267.1 85.2 492
 67 3 1 488 1 490 9.30E-227 795 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037131 1735272 585.9 UdeM00000037131 XP_041349958.1 50.2
 1057 399 20 1 1006 1 981 1.00E-163 585.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037132 7574 391.3 UdeM00000037132 XP_013382106.1 49.4 403
 159 5 72 430 67 468 1.50E-105 391.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000037133 7574 196.1 UdeM00000037133 XP_013390083.1 51.2 201
 93 1 1 201 1 196 1.10E-46 196.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000037134 215358 63.5 UdeM00000037134 XP_027138606.1 55.6
 54 24 0 1 54 596 649 1.30E-07 63.5 215358
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Eupercaria incertae
 sedis;Sciaenidae;Larimichthys;Larimichthys crocea
 UdeM00000037136 29159 87.8 UdeM00000037136 XP_034320259.1 26.9 201
 135 5 6 204 8 198 1.70E-14 87.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037137 6596 73.9 UdeM00000037137 XP_045188965.1 28.3 219
 136 8 71 273 94 307 6.00E-10 73.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037138 6565 247.7 UdeM00000037138 XP_022327962.1 47.4 268
 138 2 66 330 451 718 2.10E-62 247.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037140 29159 70.5 UdeM00000037140 XP_011456839.2 28.9 114
 78 1 7 117 235 348 5.10E-09 70.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037144 6596 261.2 UdeM00000037144 XP_045202624.1 39.8 322
 163 3 62 352 20 341 2.00E-66 261.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037145 6596 261.2 UdeM00000037145 XP_045202624.1 39.8 322
 163 3 38 328 20 341 1.80E-66 261.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037146 6596 222.6 UdeM00000037146 XP_045201124.1 34.1 440
 248 10 1 419 1 419 9.20E-55 222.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037147 400727 1114.8 UdeM00000037147 XP_025078553.1
74.1 717 186 0 32 748 32 748 0.00E+00 1114.8
400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000037148 6596 109 UdeM00000037148 XP_045201668.1 40.3 159
90 2 115 273 132 285 1.10E-20 109 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037149 6596 109 UdeM00000037149 XP_045201668.1 40.3 159
90 2 114 272 132 285 1.10E-20 109 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037150 6573 214.2 UdeM00000037150 XP_021372176.1 39.5 332
171 6 16 342 15 321 2.70E-52 214.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037151 6596 1104 UdeM00000037151 XP_045201595.1 59.8 895
359 1 25 919 20 913 0.00E+00 1104 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037152 6596 873.6 UdeM00000037152 XP_045201595.1 80.2 524
103 1 1 523 1002 1525 1.20E-250 873.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037153 6573 340.1 UdeM00000037153 XP_021356125.1 69 261
70 5 3 255 11 268 2.40E-90 340.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037154 6596 903.7 UdeM00000037154 XP_045201588.1 58 792
316 7 33 812 544 1330 1.70E-259 903.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037155 6565 501.9 UdeM00000037155 XP_022293897.1 59.9 399
148 3 10 396 20 418 7.60E-139 501.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000037156 6596 233 UdeM00000037156 XP_045201588.1 35.1 484
 249 11 22 443 69 549 7.20E-58 233 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000037157 6596 771.9 UdeM00000037157 XP_045199354.1 39.7 1058
 477 18 1 906 65 1113 8.80E-220 771.9 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000037158 6596 208 UdeM00000037158 XP_045200470.1 40 245
 130 1 1 228 885 1129 1.40E-50 208 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000037159 6596 727.2 UdeM00000037159 XP_045200475.1 39.8 1032
 467 10 1 1028 2 883 2.80E-206 727.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000037160 6579 862.1 UdeM00000037160 XP_033759936.1 56.5 766
 285 4 29 748 17 780 5.40E-247 862.1 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000037161 6565 137.1 UdeM00000037161 XP_022338876.1 28.9 325
 206 6 12 316 18 337 8.90E-29 137.1 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000037162 6500 107.1 UdeM00000037162 NP_001191663.1 46 113
 61 0 1 113 54 166 1.70E-20 107.1 6500 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tec
 tipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica
 UdeM00000037163 6596 146.7 UdeM00000037163 XP_045200612.1 47.7 149
 76 1 9 155 28 176 2.40E-32 146.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000037164 6573 569.3 UdeM00000037164 XP_021377716.1 43.2 760
 370 19 1 730 169 896 7.00E-159 569.3 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000037165 6596 602.4 UdeM00000037165 XP_045200612.1 47.2 760
 365 14 1 736 187 934 7.50E-169 602.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037166 6573 604.7 UdeM00000037166 XP_021377716.1 46.8 746
365 13 1 732 169 896 1.50E-169 604.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037167 1735272 107.5 UdeM00000037167 XP_041358042.1 46.6
118 61 2 3 120 38 153 1.70E-20 107.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037168 7668 181.4 UdeM00000037168 XP_011675926.1 58.4 149
62 0 1 149 1 149 8.40E-43 181.4 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000037169 46731 191.4 UdeM00000037169 XP_027059160.1 62.3 151
55 1 1 151 1 149 8.20E-46 191.4 46731 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocilloporadamicornis

UdeM00000037170 7574 236.5 UdeM00000037170 XP_013381514.1 76.5 149
35 0 1 149 1 149 2.20E-59 236.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000037171 7739 227.3 UdeM00000037171 XP_035669437.1 74.3 148
38 0 1 148 1 148 1.30E-56 227.3 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000037172 225164 123.2 UdeM00000037172 XP_009048417.1 47.2
123 64 1 1 123 17 138 2.30E-25 123.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000037173 29159 116.3 UdeM00000037173 XP_034299474.1 34.8 187
96 5 1 172 400 575 4.20E-23 116.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037174 6565 61.6 UdeM00000037174 XP_022290343.1 75.7 37
6 1 1 34 126 162 2.70E-07 61.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidae;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037175 29159 114.8 UdeM00000037175 XP_034330911.1 52.5 101
44 1 39 139 201 297 9.00E-23 114.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000037177 6596 80.9 UdeM00000037177 XP_045205792.1 54.5 77
35 0 1 77 216 292 8.30E-13 80.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000037178 6596 117.9 UdeM00000037178 XP_045200314.1 73.1 67
18 0 2 68 403 469 5.50E-24 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000037179 6596 336.3 UdeM00000037179 XP_045200121.1 35.7 596
359 8 42 618 51 641 8.60E-89 336.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000037180 6596 276.6 UdeM00000037180 XP_045200121.1 30.6 624
376 10 34 618 44 649 8.00E-71 276.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000037181 32391 123.2 UdeM00000037181 XP_044587665.1 48.1 108
56 0 28 135 117 224 2.90E-25 123.2 32391 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

UdeM00000037182 32391 123.2 UdeM00000037182 XP_044587665.1 48.1 108
56 0 101 208 117 224 4.30E-25 123.2 32391 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

UdeM00000037183 6596 121.3 UdeM00000037183 XP_045161852.1 27.1 391
256 10 45 414 46 428 2.90E-24 121.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000037186 7574 147.5 UdeM00000037186 XP_013401272.1 36.6 235
141 4 6 233 8 241 2.90E-32 147.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin

UdeM00000037187 6596 1142.1 UdeM00000037187 XP_045202248.1 68.5
810 247 3 1 803 4 812 0.00E+00 1142.1 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037188 6596 451.1 UdeM00000037188 XP_045199830.1 31.1 1002
658 11 5455 6439 57 1043 2.40E-122 451.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037189 6596 233.4 UdeM00000037189 XP_045199825.1 38.9 303
176 7 324 624 631 926 7.80E-58 233.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037189 6596 88.6 UdeM00000037189 XP_045199825.1 36.2 152
86 4 10 158 7 150 3.10E-14 88.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037190 37653 177.2 UdeM00000037190 XP_014780002.1 51.7 180
81 4 1 179 80 254 2.20E-41 177.2 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000037191 7741 185.3 UdeM00000037191 XP_019613928.1 39.8 274
131 8 21 267 21 287 1.10E-43 185.3 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000037192 37653 174.9 UdeM00000037192 XP_014780002.1 50 182
83 4 1 181 80 254 1.00E-40 174.9 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000037193 6596 203.4 UdeM00000037193 XP_045177655.1 38 279
165 3 6 280 5 279 4.00E-49 203.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037194 6573 195.3 UdeM00000037194 XP_021366707.1 39.6 270
155 3 8 270 10 278 1.10E-46 195.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037195 6596 119 UdeM00000037195 XP_045200132.1 63.5 85
30 1 8 92 3 86 1.70E-23 119 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037196 6596 119 UdeM00000037196 XP_045200132.1 63.5 85
 30 1 8 92 3 86 1.70E-23 119 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037197 6573 454.1 UdeM00000037197 XP_021349832.1 65.1 332
 113 1 1 329 121 452 1.50E-124 454.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037198 6565 453.8 UdeM00000037198 XP_022339098.1 67.8 329
 102 1 1 329 119 443 1.90E-124 453.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037200 6573 225.3 UdeM00000037200 XP_021346475.1 33.4 629
 349 21 127 734 57 636 2.50E-55 225.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037201 7574 302 UdeM00000037201 XP_013416377.1 66.7 207
 67 1 167 373 135 339 1.40E-78 302 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000037202 29159 274.2 UdeM00000037202 XP_011438574.1 65.1 209
 69 2 11 217 51 257 1.40E-70 274.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037204 6579 166.4 UdeM00000037204 XP_033759790.1 65.8 117
 40 0 3 119 1214 1330 2.20E-38 166.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037203 6596 438.3 UdeM00000037203 XP_045201534.1 46.9 456
 184 2 4 404 821 1273 1.00E-119 438.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037205 6596 973 UdeM00000037205 XP_045201528.1 59.1 822
 302 6 38 852 24 818 2.50E-280 973 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037206 6565 72.4 UdeM00000037206 XP_022288856.1 48.8 82
 35 2 82 163 96 170 6.00E-10 72.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000037207 6565 72.4 UdeM00000037207 XP_022288856.1 48.8 82
35 2 122 203 96 170 7.50E-10 72.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000037209 6596 191 UdeM00000037209 XP_045167746.1 50.7 205
90 3 1 205 1 194 1.50E-45 191 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000037210 29159 485.7 UdeM00000037210 XP_011443560.2 53.6 440
202 2 74 511 279 718 7.30E-134 485.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000037211 6596 184.5 UdeM00000037211 XP_045202545.1 49 202
77 5 10 186 10 210 1.20E-43 184.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000037212 6596 827.4 UdeM00000037212 XP_045200288.1 53.9 874
270 16 148 909 150 1002 1.80E-236 827.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000037213 6573 537.7 UdeM00000037213 XP_021361862.1 68.1 417
130 3 21 435 67 482 2.10E-149 537.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000037214 6573 99.8 UdeM00000037214 XP_021361862.1 70.2 94
27 1 1 94 390 482 7.30E-18 99.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000037215 6596 847 UdeM00000037215 XP_045166966.1 43.4 1016
517 17 85 1046 132 1143 2.50E-242 847 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000037216 1735272 275.4 UdeM00000037216 XP_041354101.1 39
426 194 7 1376 1768 1610 2002 5.60E-70 275.4 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000037218 1735272 262.3 UdeM00000037218 XP_041359761.1 45.5
297 159 2 1 294 1 297 7.40E-67 262.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037219 6596 1182.2 UdeM00000037219 XP_045179878.1 52.3
1263 434 19 99 1215 74 1313 0.00E+00 1182.2 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037220 6596 137.5 UdeM00000037220 XP_045179847.1 72.6 84
23 0 50 133 74 157 1.20E-29 137.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037221 400727 61.2 UdeM00000037221 XP_025078658.1 86.2
29 4 0 145 173 186 214 1.60E-06 61.2 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000037222 6596 1429.8 UdeM00000037222 XP_045199557.1 68.1
1122 336 8 1 1113 285 1393 0.00E+00 1429.8 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037223 2607531 433 UdeM00000037223 XP_029648219.1 67
297 98 0 13 309 21 317 3.40E-118 433 2607531

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000037224 6579 227.3 UdeM00000037224 XP_033742115.1 42.2 308
151 6 10 293 6 310 2.60E-56 227.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037228 6596 286.6 UdeM00000037228 XP_045209328.1 35.7 462
270 8 14 456 1735 2188 6.20E-74 286.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037229 6596 455.3 UdeM00000037229 XP_045205491.1 56 407
176 2 15 420 63 467 8.60E-125 455.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037230 6579 242.7 UdeM00000037230 XP_033739209.1 49.2 254
 113 2 3 251 6 248 5.20E-61 242.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037231 6596 100.5 UdeM00000037231 XP_045188277.1 29.9 201
 131 3 2 201 79 270 4.40E-18 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037232 6573 452.6 UdeM00000037232 XP_021346496.1 45.5 530
 268 9 203 732 27 535 1.10E-123 452.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037233 6573 123.6 UdeM00000037233 XP_021346496.1 47.2 127
 63 1 12 134 409 535 3.10E-25 123.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037234 6596 230.3 UdeM00000037234 XP_045205491.1 59.6 188
 75 1 1 187 219 406 2.00E-57 230.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037235 6579 167.9 UdeM00000037235 XP_033753057.1 49.3 144
 73 0 1 144 1 144 1.10E-38 167.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000044475 6579 157.5 UdeM00000044475 XP_033743219.1 39.6 217
 114 6 26 237 34 238 2.10E-35 157.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000030464 37653 209.9 UdeM00000030464 XP_014767494.1 84 119
 19 0 34 152 939 1057 2.20E-51 209.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000030465 6596 159.5 UdeM00000030465 XP_045177779.1 37 270
 157 4 1 262 97 361 6.10E-36 159.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030466 6596 207.6 UdeM00000030466 XP_045177776.1 41.6 257
 139 6 70 322 686 935 5.40E-50 207.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000030468 29159 162.5 UdeM00000030468 XP_011449844.1 24.3 564
 368 14 25 545 16 563 1.80E-36 162.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000030469 6596 778.5 UdeM00000030469 XP_045164107.1 35.8 1434
 798 26 14 1401 2662 4019 1.50E-221 778.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030470 6596 925.2 UdeM00000030470 XP_045164107.1 61.4 782
 247 8 9 746 1883 2653 5.20E-266 925.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030471 6596 207.6 UdeM00000030471 XP_045164107.1 34.4 352
 217 5 11 357 391 733 3.80E-50 207.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030472 6565 229.6 UdeM00000030472 XP_022327931.1 35.8 346
 216 4 30 374 20 360 6.80E-57 229.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000030475 45351 89.7 UdeM00000030475 XP_032236999.1 35.8 151
 81 2 28 163 11 160 4.80E-15 89.7 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000030476 6596 346.7 UdeM00000030476 XP_045177776.1 40.4 513
 295 9 1 506 405 913 5.20E-92 346.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030477 7574 154.8 UdeM00000030477 XP_013389395.1 39.7 224
 120 7 2 217 749 965 1.30E-34 154.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000030478 7739 123.2 UdeM00000030478 XP_035696040.1 37.6 186
 101 5 2 176 807 988 3.50E-25 123.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000030479 7741 135.6 UdeM00000030479 XP_019616671.1 37 211
 120 5 11 212 819 1025 8.00E-29 135.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000030480 6596 162.5 UdeM00000030480 XP_045188177.1 38.5 221
 125 4 513 732 165 375 2.50E-36 162.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030481 6596 655.2 UdeM00000030481 XP_045164107.1 58.8 565
 228 3 5 567 2416 2977 7.50E-185 655.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030482 6596 215.3 UdeM00000030482 XP_045164107.1 44.4 261
 89 3 18 274 2159 2367 9.60E-53 215.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030483 1735272 427.6 UdeM00000030483 XP_041360663.1 38.9
 714 343 19 94 750 1027 1704 3.50E-116 427.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000030485 6596 970.7 UdeM00000030485 XP_045164107.1 59.8 806
 309 3 17 818 2301 3095 1.20E-279 970.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030486 59861 147.9 UdeM00000030486 XP_045078191.1 57.9 126
 52 1 2 127 23 147 1.00E-32 147.9 59861 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Core
 goninae;Coregonus;Coregonus clupeaformis
 UdeM00000030488 6596 343.2 UdeM00000030488 XP_045177776.1 37.4 540
 293 13 1 531 405 908 8.50E-91 343.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000030489 6573 113.6 UdeM00000030489 XP_021354477.1 43.2 132
 75 0 10 141 1988 2119 2.10E-22 113.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000030490 6596 1223.8 UdeM00000030490 XP_045164107.1 40.7
 1923 770 35 72 1714 1006 2837 0.00E+00 1223.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030491 6596 1219.5 UdeM00000030491 XP_045164107.1 40.7
1923 763 35 72 1707 1006 2837 0.00E+00 1219.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000030493 6573 141 UdeM00000030493 XP_021354477.1 27.7 476
273 12 1 469 2768 3179 4.10E-30 141 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006906 6565 822 UdeM00000006906 XP_022300299.1 73.8 519
135 1 3 520 2 520 6.10E-235 822 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006907 6565 856.3 UdeM00000006907 XP_022300299.1 69 580
165 2 3 581 2 567 2.30E-245 856.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006908 6596 322.4 UdeM00000006908 XP_045164505.1 34.6 714
394 21 1 677 28 705 1.90E-84 322.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006909 6596 326.6 UdeM00000006909 XP_045164505.1 34.7 712
394 20 1 675 28 705 1.00E-85 326.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006910 6596 492.7 UdeM00000006910 XP_045164952.1 56.9 459
158 8 2 458 15 435 5.20E-136 492.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006911 133434 120.2 UdeM00000006911 XP_022111697.1 63.6
88 32 0 157 244 134 221 3.80E-24 120.2 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci

UdeM00000006913 6596 1037.3 UdeM00000006913 XP_045166353.1 43.7
1293 535 19 42 1166 10 1277 1.50E-299 1037.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006912 6596 1649.4 UdeM00000006912 XP_045166353.1 45.9
1937 829 29 42 1792 10 1914 0.00E+00 1649.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006914 6596 189.1 UdeM00000006914 XP_045165607.1 62.8 148
51 2 1 145 11 157 4.00E-45 189.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006917 6573 583.2 UdeM00000006917 XP_021365971.1 32.5 1038
650 15 9 1014 6 1024 6.60E-163 583.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006918 6565 799.7 UdeM00000006918 XP_022301606.1 80.3 461
91 0 8 468 6 466 2.10E-228 799.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006919 6596 951 UdeM00000006919 XP_045165065.1 64.2 925
259 10 1 870 282 1189 1.10E-273 951 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006920 6596 211.5 UdeM00000006920 XP_045165058.1 46.8 282
129 9 1 278 1 265 1.50E-51 211.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006921 6596 256.5 UdeM00000006921 XP_045166147.1 41.2 308
174 3 2 308 4 305 4.20E-65 256.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006922 6596 516.5 UdeM00000006922 XP_045166146.1 37.6 719
413 9 181 895 134 820 6.60E-143 516.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006926 6596 108.2 UdeM00000006926 XP_045166255.1 42.7 103
49 1 33 125 13 115 7.80E-21 108.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006925 6596 119.8 UdeM00000006925 XP_045166254.1 45.1 113
 52 1 33 135 13 125 2.70E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006927 6596 829.7 UdeM00000006927 XP_045166312.1 55.9 725
 303 7 3 718 8 724 3.00E-237 829.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006928 6596 593.2 UdeM00000006928 XP_045164864.1 53.5 604
 252 8 58 658 132 709 4.10E-166 593.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006929 6596 340.1 UdeM00000006929 XP_045165468.1 48.2 479
 199 15 7 465 3 452 4.40E-90 340.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006930 6596 608.6 UdeM00000006930 XP_045164248.1 71.2 372
 104 2 21 389 42 413 5.60E-171 608.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006931 6596 931 UdeM00000006931 XP_045166328.1 71.2 706
 182 14 2 699 56 748 8.70E-268 931 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006932 6596 4128.6 UdeM00000006932 XP_045166219.1 76
 2696 549 8 1 2607 1370 4056 0.00E+00 4128.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006933 6596 4185.2 UdeM00000006933 XP_045166219.1 76.8
 2696 568 8 1 2648 1370 4056 0.00E+00 4185.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006934 6596 760.8 UdeM00000006934 XP_045166219.1 84 462
 72 2 1 460 1371 1832 1.00E-216 760.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006935 6579 2133.2 UdeM00000006935 XP_033744800.1 66.7
1637 510 9 1 1628 1 1611 0.00E+00 2133.2 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006936 6573 333.2 UdeM00000006936 XP_021369900.1 51.4 292
138 2 2 292 19 307 3.40E-88 333.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000006937 6596 339.3 UdeM00000006937 XP_045183362.1 47.8 358
174 4 6 353 18 372 5.90E-90 339.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006938 6579 335.1 UdeM00000006938 XP_033744551.1 49.4 348
140 4 1 312 1 348 1.10E-88 335.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000006939 1735272 259.2 UdeM00000006939 XP_041349569.1 51.7
242 111 2 19 255 77 317 6.40E-66 259.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000006945 6596 245.7 UdeM00000006945 XP_045165268.1 34.3 455
252 8 1 453 1 410 1.30E-61 245.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006946 6596 251.9 UdeM00000006946 XP_045165999.1 42.9 315
161 5 71 376 69 373 1.30E-63 251.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006947 6596 204.5 UdeM00000006947 XP_045166006.1 54.6 183
82 1 95 277 71 252 1.70E-49 204.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000006948 6565 177.2 UdeM00000006948 XP_022333862.1 45.6 204
107 2 1 204 1 200 2.20E-41 177.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000006949 6526 86.3 UdeM00000006949 XP_013096133.1 37.3 110
67 1 6 115 20 127 2.80E-14 86.3 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000006950 10224 104.8 UdeM00000006950 XP_002731488.1 60.3 78
29 1 1 76 1 78 5.20E-20 104.8 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000006952 133434 184.9 UdeM00000006952 XP_022080237.1 44.9
205 110 1 1 205 1 202 1.00E-43 184.9 133434
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci
UdeM00000006951 133434 184.5 UdeM00000006951 XP_022080237.1 44.9
205 110 1 9 213 1 202 1.40E-43 184.5 133434
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci
UdeM00000006953 6596 176.8 UdeM00000006953 XP_045166748.1 45.4 205
109 2 1 205 1 202 2.90E-41 176.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006954 6596 388.7 UdeM00000006954 XP_045169043.1 37.3 640
356 17 5 620 24 642 1.40E-104 388.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006956 29159 87.4 UdeM00000006956 XP_034304385.1 78.4 51
11 0 1 51 292 342 9.70E-15 87.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006957 6596 735.7 UdeM00000006957 XP_045214572.1 78.4 422
91 0 9 430 6 427 3.30E-209 735.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006958 6596 610.9 UdeM00000006958 XP_045165740.1 81.8 358
65 0 7 364 9 366 1.00E-171 610.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006959 6596 601.7 UdeM00000006959 XP_045165740.1 81.1 360
 66 1 7 366 9 366 6.40E-169 601.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006960 400727 321.6 UdeM00000006960 XP_025106360.1 77.8
 185 41 0 1 185 1 185 6.60E-85 321.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000006961 6565 251.5 UdeM00000006961 XP_022300979.1 49.5 289
 133 5 1 284 1 281 5.90E-63 251.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006961 6565 132.9 UdeM00000006961 XP_022300979.1 67.5 80
 24 1 1259 1338 1042 1119 3.10E-27 132.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006964 6596 353.2 UdeM00000006964 XP_045166590.1 37.5 618
 296 13 215 828 203 734 9.10E-94 353.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006965 6596 353.2 UdeM00000006965 XP_045166590.1 37.5 618
 296 13 199 812 203 734 8.90E-94 353.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006966 6596 523.5 UdeM00000006966 XP_045166583.1 67.6 349
 110 1 1 346 27 375 2.10E-145 523.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006968 29159 268.5 UdeM00000006968 XP_019921284.2 58.6 215
 87 2 1 214 1 214 7.90E-69 268.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006969 6596 349.4 UdeM00000006969 XP_045164372.1 67.7 266
 85 1 40 304 1 266 7.70E-93 349.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006970 1735272 610.9 UdeM00000006970 XP_041348590.1 69.8
 404 115 3 5 408 10 406 1.20E-171 610.9 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000006971 7757 58.2 UdeM00000006971 XP_032825000.1 57.5 40
17 0 7 46 3 42 9.10E-06 58.2 7757 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
s;Petromyzontidae;Petromyzon;Petromyzon marinus
UdeM00000006973 6596 301.6 UdeM00000006973 XP_045165588.1 62.8 223
81 1 1 223 1 221 1.10E-78 301.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006974 1735272 118.6 UdeM00000006974 XP_041347513.1 69.9
73 22 0 1 73 1 73 4.10E-24 118.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000006975 6596 165.6 UdeM00000006975 XP_045165581.1 24.1 934
461 25 1 802 1 818 2.60E-37 165.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000006977 6579 714.5 UdeM00000006977 XP_033746880.1 52.1 700
306 8 26 696 789 1488 1.30E-202 714.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000006978 6565 106.7 UdeM00000006978 XP_022314409.1 39 177
90 5 1 159 1139 1315 2.80E-20 106.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000006981 29159 63.2 UdeM00000006981 XP_034300815.1 37.3 67
42 0 158 224 133 199 5.00E-07 63.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006983 29159 981.1 UdeM00000006983 XP_011427761.1 76.5 625
146 1 1 625 1 624 6.60E-283 981.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000006984 6579 256.5 UdeM00000006984 XP_033746748.1 45.1 410
176 17 1 381 4 393 5.90E-65 256.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000006985 37653 288.9 UdeM00000006985 XP_014770271.1 83.6 165
26 1 1 165 1 164 4.20E-75 288.9 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000006986 6596 367.9 UdeM00000006986 XP_045188938.1 54.4 329
149 1 1 329 7 334 1.40E-98 367.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000006987 6565 660.2 UdeM00000006987 XP_022296722.1 64.8 475
167 0 1 475 1 475 2.00E-186 660.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006988 6596 508.1 UdeM00000006988 XP_045165534.1 50.8 490
237 3 36 523 14 501 1.40E-140 508.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM000000044453 29159 639.4 UdeM000000044453 XP_034303860.1 46.7 751
289 14 5 659 21 756 5.00E-180 639.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007289 6596 354.4 UdeM00000007289 XP_045177776.1 36.6 588
288 14 1 582 405 913 4.20E-94 354.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000007290 6596 472.2 UdeM00000007290 XP_045177776.1 35.2 796
409 21 1 784 405 1105 1.60E-129 472.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000007294 29159 459.9 UdeM00000007294 XP_034311318.1 39.8 678
352 16 157 792 1 664 7.10E-126 459.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007295 6579 182.6 UdeM00000007295 XP_033736448.1 39.1 253
143 5 1 244 29 279 1.10E-42 182.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007296 6596 146.4 UdeM00000007296 XP_045177776.1 33.5 251
131 3 5 222 692 939 9.90E-32 146.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000007316 6579 603.2 UdeM00000007316 XP_033744037.1 88.3 333
39 0 1 333 1 333 2.00E-169 603.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007317 1735272 572 UdeM00000007317 XP_041359605.1 62.6
438 142 2 1 436 199 616 6.60E-160 572 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000007318 6596 232.6 UdeM00000007318 XP_045166112.1 32.2 541
341 9 30 558 117 643 1.60E-57 232.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000007319 1735272 216.1 UdeM00000007319 XP_041359605.1 65.8
158 52 1 1 156 459 616 3.30E-53 216.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000007320 29159 362.5 UdeM00000007320 XP_034303580.1 66.5 251
84 0 11 261 239 489 4.70E-97 362.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007321 6573 263.1 UdeM00000007321 XP_021361115.1 29.8 682
418 13 1 642 1 661 1.50E-66 263.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007322 1735272 301.6 UdeM00000007322 XP_041359605.1 71.7
191 54 0 34 224 4 194 9.20E-79 301.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000007323 6573 1477.2 UdeM00000007323 XP_021345477.1 58.3
1594 532 30 3 1540 2 1519 0.00E+00 1477.2 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007324 6573 1476.5 UdeM00000007324 XP_021345477.1 58.1
1599 534 31 3 1546 2 1519 0.00E+00 1476.5 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007325 1735272 92.4 UdeM00000007325 XP_041358458.1 39.6
149 62 2 11 154 493 618 9.40E-16 92.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000007326 6596 704.9 UdeM00000007326 XP_045203628.1 67.1 535
173 2 1 534 631 1163 7.80E-200 704.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007327 6579 1462.6 UdeM00000007327 XP_033743941.1 65.9
1482 397 18 360 1771 344 1786 0.00E+00 1462.6 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007328 6596 272.7 UdeM00000007328 XP_045204359.1 56.9 218
94 0 40 257 42 259 4.80E-70 272.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007329 6579 373.2 UdeM00000007329 XP_033736147.1 41.5 468
256 5 29 483 41 503 4.90E-100 373.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007330 6596 649.8 UdeM00000007330 XP_045204362.1 65.8 474
161 1 5 477 43 516 2.70E-183 649.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007331 6596 1822.8 UdeM00000007331 XP_045204361.1 66.1
1454 438 15 12 1444 49 1468 0.00E+00 1822.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007332 6596 349 UdeM00000007332 XP_045204242.1 55.6 293
124 2 2 289 36 327 5.90E-93 349 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007333 6565 242.3 UdeM00000007333 XP_022342298.1 34.2 480
114 6 1 278 1 480 7.50E-61 242.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007334 6565 167.5 UdeM00000007334 XP_022321385.1 26.3 426
283 13 3 404 31 449 3.70E-38 167.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007335 29159 200.7 UdeM00000007335 XP_011445438.1 28.1 445
 293 10 13 435 9 448 4.20E-48 200.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007336 6573 168.3 UdeM00000007336 XP_021344699.1 43.5 209
 100 2 1 195 192 396 1.10E-38 168.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007338 6579 190.3 UdeM00000007338 XP_033744344.1 44.9 198
 109 0 9 206 111 308 2.50E-45 190.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007337 6579 193.7 UdeM00000007337 XP_033744344.1 49.7 167
 84 0 54 220 142 308 2.40E-46 193.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007339 6579 93.6 UdeM00000007339 XP_033744344.1 42.1 159
 73 7 3 148 1 153 2.30E-16 93.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007343 6573 174.1 UdeM00000007343 XP_021370310.1 31.2 362
 229 9 5 356 8 359 5.50E-40 174.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007346 6579 427.9 UdeM00000007346 XP_033743085.1 54.5 352
 156 2 96 444 347 697 1.50E-116 427.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007347 6579 967.6 UdeM00000007347 XP_033743768.1 75.4 650
 157 3 3 651 6 653 7.80E-279 967.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007349 29159 178.7 UdeM00000007349 XP_011451271.1 50 170
 80 2 7 176 2 166 6.60E-42 178.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007350 29159 132.9 UdeM00000007350 XP_011451271.1 51.7 118
 50 1 6 123 4 114 2.90E-28 132.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007351 6565 91.7 UdeM00000007351 XP_022344351.1 36.2 138
 82 3 127 263 103 235 2.10E-15 91.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007353 6565 1006.9 UdeM00000007353 XP_022325423.1 81.1
597 112 1 14 609 289 885 1.10E-290 1006.9 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007354 29159 1112.4 UdeM00000007354 XP_011449756.1 91.1
597 53 0 13 609 15 611 0.00E+00 1112.4
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007355 400727 767.7 UdeM00000007355 XP_025099196.1 43.7
922 445 27 22 932 226 1084 1.70E-218 767.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000007356 400727 283.9 UdeM00000007356 XP_025099196.1 46.7
270 125 4 23 292 268 518 2.40E-73 283.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000007357 400727 376.7 UdeM00000007357 XP_025099196.1 49.2
362 159 8 21 382 182 518 3.60E-101 376.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000007358 116150 246.1 UdeM00000007358 XP_039756688.1 43
291 126 11 17 270 49 336 5.20E-62 246.1 116150
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoide
a;Nymphalidae;Satyrinae;Satyrini;Parargina;Pararge;Pararge aegeria

UdeM00000007359 400727 297.7 UdeM00000007359 XP_025099196.1 52.2
270 110 5 22 291 226 476 1.60E-77 297.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000007360 400727 285.8 UdeM00000007360 XP_025099196.1 50.8
264 116 6 22 285 226 475 6.20E-74 285.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000007362 6596 198 UdeM00000007362 XP_045198712.1 48.6 181
81 4 22 193 74 251 1.20E-47 198 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007363 116150 328.9 UdeM00000007363 XP_039756688.1 47.9
332 149 13 22 329 5 336 7.30E-87 328.9 116150
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Satyrinae;Satyrini;Parargina;Pararge;Pararge aegeria

UdeM00000007364 6565 620.9 UdeM00000007364 XP_022314936.1 79.1 350
73 0 1 350 1 350 1.00E-174 620.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007365 29159 106.3 UdeM00000007365 XP_034312519.1 64.8 91
31 1 3 93 236 325 2.30E-20 106.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007367 6565 201.8 UdeM00000007367 XP_022299727.1 33.1 356
161 5 2 291 282 626 1.20E-48 201.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007366 6565 291.2 UdeM00000007366 XP_022299727.1 35.3 468
218 9 2 399 282 734 2.00E-75 291.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007368 6565 86.7 UdeM00000007368 XP_022299727.1 50 74
37 0 1 74 661 734 1.50E-14 86.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007369 6565 610.1 UdeM00000007369 XP_022314936.1 77.8 356
73 1 1 356 1 350 1.90E-171 610.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007370 29159 144.4 UdeM00000007370 XP_034339171.1 25.4 433
221 10 9 346 120 545 3.30E-31 144.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007371 6596 162.2 UdeM00000007371 XP_045206665.1 37.7 260
138 5 121 374 60 301 1.70E-36 162.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007372 6565 196.8 UdeM00000007372 XP_022326015.1 42.6 251
 130 5 35 284 47 284 3.80E-47 196.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007373 381198 373.6 UdeM00000007373 XP_013028410.1 54.5
 308 140 0 7 314 6 313 2.50E-100 373.6 381198
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Galloanserae;Anseriformes;Anatidae;Anserinae;Anser;Anser
 cygnoides;Anser cygnoides domesticus
 UdeM00000007374 1735272 240 UdeM00000007374 XP_041356986.1 55.5
 218 86 3 6 222 26 233 3.00E-60 240 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007375 143950 87.8 UdeM00000007375 XP_025407409.1 50.7
 73 35 1 1 73 70 141 8.50E-15 87.8 143950
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Chaitophorinae;Sipha;Sipha flava
 UdeM00000007376 6579 592.4 UdeM00000007376 XP_033744086.1 51.5 565
 250 7 5 557 247 799 7.20E-166 592.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007377 6573 784.6 UdeM00000007377 XP_021364048.1 47.4 1004
 464 9 5 972 960 1935 1.40E-223 784.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007378 6596 517.3 UdeM00000007378 XP_045202824.1 60.6 373
 145 1 1 371 31 403 1.70E-143 517.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007379 6573 119.4 UdeM00000007379 XP_021371839.1 28.7 300
 165 10 8 282 3 278 7.80E-24 119.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007380 74940 60.5 UdeM00000007380 XP_042169195.1 27.5 305
 185 14 9 287 619 913 9.00E-06 60.5 74940 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossoccephalai;Clupeoce

phala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salmoninae;Oncorhynchus;Oncorhynchus tshawytscha

UdeM00000007381 6596 122.5 UdeM00000007381 XP_045205583.1 24.5 695
425 23 9 639 3 661 2.30E-24 122.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007382 6579 549.7 UdeM00000007382 XP_033738649.1 62.5 421
156 1 1 421 1 419 3.30E-153 549.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007383 6596 168.3 UdeM00000007383 XP_045202239.1 26.9 542
344 12 171 681 172 692 3.40E-38 168.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007384 6596 89 UdeM00000007384 XP_045202239.1 22.2 441
261 10 2 381 273 692 1.50E-14 89 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007385 29159 96.3 UdeM00000007385 XP_034315421.1 38.2 173
87 6 88 255 317 474 6.10E-17 96.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007388 6596 58.5 UdeM00000007388 XP_045202346.1 39.8 93
52 2 6 97 16 105 7.00E-06 58.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007389 6596 258.1 UdeM00000007389 XP_045183440.1 52.1 240
110 3 2 240 145 380 1.50E-65 258.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007390 29159 87.8 UdeM00000007390 XP_034315421.1 41.5 130
57 5 14 139 360 474 1.20E-14 87.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007391 29159 86.7 UdeM00000007391 XP_034315421.1 49.5 97
42 3 18 108 379 474 2.10E-14 86.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007392 6596 90.5 UdeM00000007392 XP_045202239.1 25 440
256 15 2 393 273 686 5.40E-15 90.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007395 6573 173.7 UdeM00000007395 XP_021370310.1 32.7 343
207 10 5 336 8 337 8.10E-40 173.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007396 6596 122.9 UdeM00000007396 XP_045205583.1 24.1 698
418 22 12 639 6 661 1.80E-24 122.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007400 6573 169.5 UdeM00000007400 XP_021370310.1 31.9 339
210 9 5 331 8 337 1.50E-38 169.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007401 6573 173.3 UdeM00000007401 XP_021370310.1 33.5 343
200 10 3 328 6 337 1.00E-39 173.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007402 6596 109.4 UdeM00000007402 XP_045203365.1 94.4 54
3 0 154 207 185 238 5.60E-21 109.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007403 6596 122.1 UdeM00000007403 XP_045165403.1 23.9 658
394 22 39 635 33 644 3.00E-24 122.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007404 6596 176.8 UdeM00000007404 XP_045169933.1 27.4 563
350 14 154 684 199 734 9.50E-41 176.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007406 6596 60.8 UdeM00000007406 XP_045169220.1 25.9 135
99 1 1 135 278 411 2.10E-06 60.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007407 6573 127.1 UdeM00000007407 XP_021354151.1 31.7 246
155 7 5 246 18 254 3.10E-26 127.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007408 6596 167.2 UdeM00000007408 XP_045202239.1 26.1 568
 336 14 161 681 162 692 7.50E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007409 6573 79 UdeM00000007409 XP_021370310.1 28.6 248
 142 9 5 230 8 242 1.50E-11 79 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007410 37621 140.6 UdeM00000007410 XP_014679849.1 63 100
 37 0 1 100 3 102 1.10E-30 140.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000007411 37621 137.5 UdeM00000007411 XP_014679849.1 34.3 233
 64 4 2 148 394 623 1.40E-29 137.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000007412 6565 132.1 UdeM00000007412 XP_022297447.1 62.9 97
 36 0 23 119 270 366 4.70E-28 132.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007413 6596 270.8 UdeM00000007413 XP_045203365.1 84 163
 9 1 7 169 185 330 1.20E-69 270.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007414 6573 171.8 UdeM00000007414 XP_021370310.1 31.6 345
 208 8 5 336 8 337 2.00E-39 171.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007415 6596 70.1 UdeM00000007415 XP_045188022.1 26.1 226
 136 8 2 215 103 309 3.90E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007417 6596 67 UdeM00000007417 XP_045202427.1 28.7 181
 95 4 103 268 555 716 4.10E-08 67 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007419 6596 172.2 UdeM00000007419 XP_045201791.1 25 551
 359 9 168 685 66 595 2.30E-39 172.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007420 6596 436 UdeM00000007420 XP_045203365.1 88.1 243
 27 1 1 241 121 363 3.10E-119 436 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007421 6573 123.6 UdeM00000007421 XP_021370310.1 30.5 246
 148 7 5 242 8 238 3.40E-25 123.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007422 6596 71.2 UdeM00000007422 XP_045169933.1 22.5 426
 233 14 2 341 320 734 2.80E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007423 6596 83.6 UdeM00000007423 XP_045165403.1 37.7 122
 73 1 39 160 33 151 2.80E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007425 6565 97.1 UdeM00000007425 XP_022342942.1 21.7 645
 421 20 58 634 55 683 1.00E-16 97.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007426 6596 171 UdeM00000007426 XP_045169933.1 27.4 552
 341 13 165 683 210 734 5.20E-39 171 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007427 6596 88.6 UdeM00000007427 XP_045169933.1 24.4 427
 270 13 2 387 320 734 1.90E-14 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007429 6596 665.2 UdeM00000007429 XP_045203365.1 93.1 349
 22 1 13 359 15 363 4.60E-188 665.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007430 6596 223.8 UdeM00000007430 XP_045203364.1 70.6 160
 47 0 1 160 1 160 1.60E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007431	6596	1313.5		UdeM00000007431	XP_045203363.1	60.6	
1359	414	20	1	1268	1	1328	0.00E+00 1313.5 6596
cellular							
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria							
UdeM00000007432	6596	1322		UdeM00000007432	XP_045203363.1	61.2	1342
416	19	1	1251	1	1328	0.00E+00	1322 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria							
UdeM00000007433	6596	168.3		UdeM00000007433	XP_045206665.1	35.1	285
160	5	359	634	29	297	3.20E-38	168.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria							
UdeM00000007434	6596	89.4		UdeM00000007434	XP_045204729.1	26.5	287
157	13	125	387	181	437	1.10E-14	89.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria							
UdeM00000007435	6596	162.9		UdeM00000007435	XP_045206665.1	34.4	285
162	5	668	943	29	297	2.00E-36	162.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria							
UdeM00000007436	6596	92		UdeM00000007436	XP_045203857.1	25.2	254
173	7	149	390	191	439	1.80E-15	92 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria							
UdeM00000007437	29159	141.7		UdeM00000007437	XP_011418673.2	35.6	239
137	5	198	431	33	259	2.20E-30	141.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas							
UdeM00000007438	6596	59.7		UdeM00000007438	XP_045204731.1	39.1	64
37	2	2	64	381	443	1.70E-06	59.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria							
UdeM00000007441	6596	159.5		UdeM00000007441	XP_045206665.1	31.8	280
163	4	125	392	38	301	9.20E-36	159.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria							

UdeM00000007442 6596 73.2 UdeM00000007442 XP_045204729.1 24.4 271
 158 9 102 331 174 438 7.20E-10 73.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007443 6596 157.9 UdeM00000007443 XP_045206665.1 32.1 274
 142 4 216 455 38 301 3.10E-35 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007444 6596 171.4 UdeM00000007444 XP_045206665.1 33.2 280
 162 4 354 624 38 301 3.70E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007446 6596 187.6 UdeM00000007446 XP_045206665.1 35.3 289
 165 6 40 325 37 306 4.30E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007445 6596 187.6 UdeM00000007445 XP_045206665.1 35.3 289
 165 6 97 382 37 306 4.70E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007447 6596 113.6 UdeM00000007447 XP_045206665.1 43.6 156
 78 3 94 239 26 181 5.10E-22 113.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007448 6596 175.3 UdeM00000007448 XP_045206665.1 32.3 282
 165 4 136 408 38 302 1.70E-40 175.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007449 6596 126.3 UdeM00000007449 XP_045206665.1 29.3 283
 164 7 34 297 36 301 6.40E-26 126.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007450 6596 157.5 UdeM00000007450 XP_045206816.1 35.7 238
 137 6 103 336 101 326 3.20E-35 157.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007451 6596 181.8 UdeM00000007451 XP_045203861.1 23.8 747
 479 22 131 851 140 822 3.70E-42 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007452 6596 92.4 UdeM00000007452 XP_045204839.1 49.4 81
 39 1 17 95 543 623 3.40E-16 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007453 6596 165.2 UdeM00000007453 XP_045206661.1 39.3 234
 128 4 274 501 106 331 2.10E-37 165.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007454 6596 155.2 UdeM00000007454 XP_045191019.1 34 282
 164 5 72 351 49 310 1.50E-34 155.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007455 218467 216.9 UdeM00000007455 XP_023210958.1 43.3
 291 141 6 237 520 279 552 6.30E-53 216.9 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000007456 6596 92.8 UdeM00000007456 XP_045204839.1 49.4 81
 39 1 17 95 543 623 2.60E-16 92.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007457 218467 204.5 UdeM00000007457 XP_023220759.1 48.7
 224 113 2 6 228 451 673 1.40E-49 204.5 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000007458 114398 182.6 UdeM00000007458 XP_042913023.1 51.1
 184 85 2 1 179 123 306 5.30E-43 182.6 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum

UdeM00000007459 6596 99.8 UdeM00000007459 XP_045191019.1 36.1 180
 110 2 79 256 12 188 5.70E-18 99.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007461 6596 167.5 UdeM00000007461 XP_045206665.1 34.6 301
 159 6 703 993 23 295 8.40E-38 167.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007462 6596 167.5 UdeM00000007462 XP_045206665.1 34.6 301
 159 6 705 995 23 295 8.40E-38 167.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007463 6596 93.2 UdeM00000007463 XP_045204839.1 50.6 81
 38 1 17 95 543 623 2.00E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007465 6596 117.9 UdeM00000007465 XP_045206665.1 34.7 245
 134 5 3 244 8 229 2.20E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007466 29058 62.4 UdeM00000007466 XP_021186066.1 52.3 44
 21 0 50 93 107 150 3.60E-07 62.4 29058 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;N
 octuidae;Heliothinae;Helicoverpa;Helicoverpa armigera
 UdeM00000007467 29159 94.7 UdeM00000007467 XP_011430214.2 32.1 196
 116 4 1 188 395 581 2.60E-16 94.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007468 7739 67.4 UdeM00000007468 XP_035682907.1 46.7 75
 40 0 1 75 29 103 2.00E-08 67.4 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000007469 6565 109.8 UdeM00000007469 XP_022327488.1 33 221
 127 6 68 269 416 634 8.70E-21 109.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007473 6596 126.3 UdeM00000007473 XP_045206661.1 37.9 190
 104 3 2 186 121 301 1.00E-25 126.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007474 1735272 232.3 UdeM00000007474 XP_041357535.1 48
 221 111 3 5 223 106 324 6.20E-58 232.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007476 6579 282 UdeM00000007476 XP_033743247.1 52.1 267
 118 3 14 279 8 265 8.70E-73 282 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007477 6565 91.3 UdeM00000007477 XP_022323704.1 40.5 126
 75 0 106 231 893 1018 2.70E-15 91.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007478 6596 89.7 UdeM00000007478 XP_045204839.1 49.4 81
 39 1 17 95 543 623 2.20E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007479 218467 95.1 UdeM00000007479 XP_023220759.1 52.1
 96 41 1 203 298 583 673 1.60E-16 95.1 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000007479 218467 84.7 UdeM00000007479 XP_023220759.1 51.2
 80 38 1 15 94 100 178 2.10E-13 84.7 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000007480 572307 133.3 UdeM00000007480 XP_003882944.1 49.6
 119 58 1 18 136 402 518 2.40E-28 133.3 572307
 cellular
 organisms;Eukaryota;Sar;Alveolata;Apicomplexa;Conoidasida;Coccidia;Eucocc
 idiorida;Eimeriorina;Sarcocystidae;Neospora;Neospora caninum;Neospora
 caninum Liverpool
 UdeM00000007481 6565 167.9 UdeM00000007481 XP_022327488.1 40.6 239
 116 5 99 328 413 634 5.50E-38 167.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007482 6565 100.5 UdeM00000007482 XP_022323704.1 37.9 161
 100 0 67 227 858 1018 8.90E-18 100.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007483 1735272 170.2 UdeM00000007483 XP_041357535.1 36.7
 281 125 5 13 242 46 324 3.10E-39 170.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000007485 1735272 127.1 UdeM00000007485 XP_041357535.1 29.7
276 74 3 29 186 51 324 2.30E-26 127.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000007486 6579 119 UdeM00000007486 XP_033743247.1 48.8 123
50 3 2 111 194 316 4.00E-24 119 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007487 400727 81.3 UdeM00000007487 XP_025088777.1 49.3
75 37 1 14 87 12 86 1.00E-12 81.3 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000007491 6596 163.7 UdeM00000007491 XP_045206661.1 37.6 229
129 3 330 553 109 328 1.20E-36 163.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000007490 6596 100.5 UdeM00000007490 XP_045206819.1 38.2 173
96 2 137 307 99 262 8.60E-18 100.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000007492 6579 352.1 UdeM00000007492 XP_033743247.1 55 318
132 4 14 329 8 316 8.00E-94 352.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007493 6596 602.8 UdeM00000007493 XP_045205260.1 35 1223
708 26 11 1194 9 1183 1.00E-168 602.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000007494 6596 931.8 UdeM00000007494 XP_045205259.1 47.8 1158
525 15 83 1229 11 1100 9.00E-268 931.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000007495 225164 117.1 UdeM00000007495 XP_009052038.1 69.7
76 23 0 8 83 196 271 1.20E-23 117.1 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000007496 6596 272.7 UdeM00000007496 XP_045205257.1 62.9 205
 75 1 1 204 1 205 4.00E-70 272.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007497 6596 271.2 UdeM00000007497 XP_045205257.1 63.2 204
 74 1 1 203 1 204 1.10E-69 271.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007498 6596 184.9 UdeM00000007498 XP_045204565.1 36.4 302
 179 4 2 291 3 303 1.50E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007499 6596 546.2 UdeM00000007499 XP_045204129.1 49.2 699
 313 16 103 777 1 681 1.00E-151 546.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007500 6596 520.8 UdeM00000007500 XP_045204673.1 50.7 536
 233 6 1 511 48 577 2.00E-144 520.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007501 6596 585.1 UdeM00000007501 XP_045204674.1 50.5 576
 275 6 1 572 1 570 9.70E-164 585.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007502 29159 176.8 UdeM00000007502 XP_011418174.2 46.7 184
 97 1 1 184 400 582 2.60E-41 176.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007503 6596 584.3 UdeM00000007503 XP_045204271.1 51.1 581
 270 6 22 591 3 580 1.70E-163 584.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007504 6596 166 UdeM00000007504 XP_045204106.1 62.5 128
 46 1 2 129 58 183 3.20E-38 166 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007505 6565 344 UdeM00000007505 XP_022321199.1 47.1 365
 188 2 6 368 214 575 2.40E-91 344 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007506 6596 614.4 UdeM00000007506 XP_045204674.1 52.4 582
 269 5 1 580 1 576 1.50E-172 614.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007507 6573 73.9 UdeM00000007507 XP_021358586.1 30.6 134
 89 2 92 224 116 246 2.80E-10 73.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007508 6565 86.7 UdeM00000007508 XP_022345219.1 41 100
 57 1 2 99 284 383 2.00E-14 86.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007509 6565 111.3 UdeM00000007509 XP_022345219.1 42.6 122
 68 1 15 134 262 383 9.90E-22 111.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007510 6596 459.9 UdeM00000007510 XP_045204106.1 65 343
 113 2 5 342 14 354 2.80E-126 459.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007511 6579 202.6 UdeM00000007511 XP_033742659.1 47.8 224
 115 2 2 224 359 581 5.30E-49 202.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007512 6596 608.2 UdeM00000007512 XP_045204673.1 53.3 583
 262 8 1 579 1 577 1.10E-170 608.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007514 6573 72.4 UdeM00000007514 XP_021358586.1 31.3 134
 88 2 65 197 116 246 7.30E-10 72.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007515 6565 389.8 UdeM00000007515 XP_022345219.1 52.5 339
 158 2 1 337 48 385 3.50E-105 389.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007516 400727 80.1 UdeM00000007516 XP_025088777.1 39.6
 111 59 3 27 132 11 118 2.90E-12 80.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000007517 6596 58.9 UdeM00000007517 XP_045189070.1 41.4 87
 49 2 1 86 1 86 4.00E-06 58.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007520 6596 613.2 UdeM00000007520 XP_045204674.1 52.6 582
 268 5 1 580 1 576 3.40E-172 613.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007521 6596 528.9 UdeM00000007521 XP_045204674.1 49.9 535
 260 5 1 533 48 576 7.60E-147 528.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007522 6579 121.7 UdeM00000007522 XP_033743247.1 37.2 218
 66 4 2 153 107 319 8.20E-25 121.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007523 6596 528.9 UdeM00000007523 XP_045204674.1 49.2 535
 264 5 1 533 48 576 7.60E-147 528.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007524 7739 455.7 UdeM00000007524 XP_035696678.1 58 374
 154 1 2 372 423 796 5.70E-125 455.7 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;
 Branchiostoma floridae
 UdeM00000007525 7741 143.7 UdeM00000007525 XP_019640655.1 49.7 145
 72 1 5 148 1 145 1.90E-31 143.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;
 Branchiostoma belcheri
 UdeM00000007526 6596 588.6 UdeM00000007526 XP_045204674.1 53.3 533
 244 4 1 531 1 530 8.10E-165 588.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007527 6596 224.2 UdeM00000007527 XP_045204106.1 61.1 175
 66 1 42 216 10 182 1.70E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007528 6596 119.4 UdeM00000007528 XP_045204106.1 55 111
46 1 4 110 238 348 2.90E-24 119.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007529 6596 59.7 UdeM00000007529 XP_045203280.1 55.6 45
20 0 1 45 379 423 2.00E-06 59.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007530 6596 523.9 UdeM00000007530 XP_045204271.1 50.5 537
259 5 2 534 47 580 2.50E-145 523.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007532 6596 613.2 UdeM00000007532 XP_045204674.1 52.6 582
268 5 1 580 1 576 3.40E-172 613.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007533 6596 167.9 UdeM00000007533 XP_045204106.1 63.4 134
45 1 1 130 178 311 8.70E-39 167.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007534 6565 203.4 UdeM00000007534 XP_022327372.1 45.1 233
127 1 6 238 350 581 3.30E-49 203.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007535 6596 469.9 UdeM00000007535 XP_045204674.1 46.5 527
250 5 1 500 48 569 4.00E-129 469.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007537 6596 372.9 UdeM00000007537 XP_045204106.1 57.2 320
133 1 1 316 142 461 4.20E-100 372.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007538 6596 229.6 UdeM00000007538 XP_045204106.1 61.3 191
68 2 2 188 58 246 3.50E-57 229.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007539 6596 521.9 UdeM00000007539 XP_045204271.1 50.5 537
 259 5 2 534 47 580 9.30E-145 521.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007540 6596 349.7 UdeM00000007540 XP_045204106.1 56 332
 95 4 5 295 14 335 3.70E-93 349.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007541 6579 208 UdeM00000007541 XP_033742659.1 47.3 224
 116 2 2 224 359 581 1.30E-50 208 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007542 2652724 176.4 UdeM00000007542 XP_020903442.1 44.2
 199 111 0 9 207 2 200 4.10E-41 176.4 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000007543 6596 144.4 UdeM00000007543 XP_045204106.1 66.3 98
 31 1 5 102 14 109 8.80E-32 144.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007544 6596 368.6 UdeM00000007544 XP_045204674.1 42.7 478
 208 4 2 413 99 576 1.00E-98 368.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007545 6596 506.9 UdeM00000007545 XP_045204274.1 48.6 537
 266 7 2 531 47 580 3.10E-140 506.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007546 6596 469.9 UdeM00000007546 XP_045204673.1 46.8 536
 261 8 1 518 48 577 4.10E-129 469.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007547 6596 395.6 UdeM00000007547 XP_045204674.1 41.5 535
 258 7 1 486 48 576 9.20E-107 395.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007548 6596 580.5 UdeM00000007548 XP_045204274.1 50.5 582
 278 7 5 580 3 580 2.40E-162 580.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007549 6596 535 UdeM00000007549 XP_045204274.1 51.4 537
 254 5 2 534 47 580 1.10E-148 535 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007550 6596 540 UdeM00000007550 XP_045204674.1 50.7 535
 255 5 1 532 48 576 3.30E-150 540 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007551 6596 528.5 UdeM00000007551 XP_045204271.1 50.5 537
 259 4 2 534 47 580 1.00E-146 528.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007552 6596 533.9 UdeM00000007552 XP_045204271.1 50.3 537
 260 4 2 534 47 580 2.40E-148 533.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007554 6596 815.8 UdeM00000007554 XP_045205309.1 76.1 506
 120 1 111 616 167 671 3.60E-233 815.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007555 6596 266.2 UdeM00000007555 XP_045205309.1 74.7 166
 40 1 1 164 1 166 3.20E-68 266.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007556 225164 163.7 UdeM00000007556 XP_009055317.1 49.4
 154 75 1 6 156 12 165 2.10E-37 163.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000007557 6596 186.4 UdeM00000007557 XP_045205309.1 54.8 155
 67 1 73 224 12 166 4.50E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007558 29159 101.7 UdeM00000007558 XP_034317111.1 57.3 75
 32 0 1 75 1 75 4.60E-19 101.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007560 29159 340.1 UdeM00000007560 XP_034317111.1 48.3 383
 187 5 2 376 171 550 3.60E-90 340.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007559 29159 605.9 UdeM00000007559 XP_034317111.1 42.6 847
 471 10 2 840 171 1010 7.90E-170 605.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007561 29159 170.6 UdeM00000007561 XP_034317111.1 37.2 339
 208 4 1 337 675 1010 3.50E-39 170.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007563 1735272 76.3 UdeM00000007563 XP_041370888.1 32.9
 146 68 3 31 176 315 430 4.80E-11 76.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007564 29159 64.3 UdeM00000007564 XP_034329356.1 61.3 62
 24 0 33 94 120 181 1.00E-07 64.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007565 6565 82 UdeM00000007565 XP_022308193.1 60.4 53
 21 0 115 167 502 554 8.00E-13 82 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007566 6565 128.3 UdeM00000007566 XP_022326632.1 63.3 98
 34 1 108 203 69 166 1.30E-26 128.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007568 6565 100.5 UdeM00000007568 XP_022298161.1 47.2 123
 61 1 107 229 56 174 3.60E-18 100.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007570 6596 588.6 UdeM00000007570 XP_045205309.1 66.3 410
 137 1 1 410 263 671 6.20E-165 588.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007571 6573 240.4 UdeM00000007571 XP_021366195.1 56 207
 89 1 6 212 7 211 2.30E-60 240.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000007572 6596 543.5 UdeM00000007572 XP_045205309.1 67.7 371
119 1 2 372 302 671 2.10E-151 543.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007573 6596 352.1 UdeM00000007573 XP_045205309.1 59.6 287
112 1 1 283 7 293 7.00E-94 352.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007574 6579 131 UdeM00000007574 XP_033742254.1 50.4 119
58 1 2 119 1021 1139 1.10E-27 131 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007575 6579 114 UdeM00000007575 XP_033742254.1 62.8 78
29 0 1 78 1181 1258 8.70E-23 114 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007576 6596 92.4 UdeM00000007576 XP_045205276.1 76.3 59
14 0 65 123 2636 2694 4.20E-16 92.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007577 6596 736.1 UdeM00000007577 XP_045205309.1 55.7 675
271 8 1 657 7 671 3.90E-209 736.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007578 225164 107.5 UdeM00000007578 XP_009055317.1 69.2
65 20 0 1 65 300 364 7.40E-21 107.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000007579 225164 141.7 UdeM00000007579 XP_009055317.1 61.2
103 40 0 1 103 262 364 5.40E-31 141.7 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000007580 6573 237.3 UdeM00000007580 XP_021366195.1 55.1 207
91 1 6 212 7 211 2.20E-59 237.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007581 6579 279.6 UdeM00000007581 XP_033743190.1 63 211
 74 1 8 214 503 713 3.20E-72 279.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007582 6565 141.7 UdeM00000007582 XP_022324223.1 64 100
 36 0 5 104 417 516 5.20E-31 141.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007584 6565 582 UdeM00000007584 XP_022324223.1 64.4 458
 151 6 6 460 282 730 6.60E-163 582 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007583 6596 759.6 UdeM00000007583 XP_045205309.1 56.7 674
 279 5 1 670 7 671 3.30E-216 759.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007585 6579 195.3 UdeM00000007585 XP_033743190.1 62.9 151
 55 1 6 156 564 713 5.90E-47 195.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007586 6596 530.4 UdeM00000007586 XP_045205309.1 61.8 414
 153 2 1 414 263 671 2.00E-147 530.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007587 29159 176.4 UdeM00000007587 XP_034325257.1 50 164
 82 0 150 313 96 259 5.70E-41 176.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000007588 225164 95.1 UdeM00000007588 XP_009055317.1 50
 84 42 0 2 85 79 162 5.10E-17 95.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000007589 6573 150.2 UdeM00000007589 XP_021366184.1 55.6 153
 48 3 320 453 564 715 6.30E-33 150.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007590 6579 84 UdeM00000007590 XP_033750135.1 28.7 164
 100 4 1 164 12 158 2.30E-13 84 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007592 6596 90.1 UdeM00000007592 XP_045205309.1 34.1 170
 35 1 26 118 163 332 2.80E-15 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007593 6579 283.9 UdeM00000007593 XP_033743190.1 64.2 212
 75 1 8 219 503 713 1.80E-73 283.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007595 29159 71.6 UdeM00000007595 XP_019922365.2 75 40
 10 0 3 42 292 331 2.70E-10 71.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007596 6596 830.1 UdeM00000007596 XP_045205309.1 59.9 666
 262 2 1 662 7 671 2.00E-237 830.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007598 6596 285 UdeM00000007598 XP_045205276.1 52.7 298
 108 3 3 284 2561 2841 1.00E-73 285 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007599 6526 87.8 UdeM00000007599 XP_013086500.1 66.7 57
 18 1 5 61 273 328 7.20E-15 87.8 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata

UdeM00000007600 6596 161.8 UdeM00000007600 XP_045205309.1 67.3 101
 33 0 23 123 405 505 5.70E-37 161.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007601 6596 426.8 UdeM00000007601 XP_045205309.1 62.8 323
 115 2 1 323 263 580 3.50E-116 426.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007602 6573 156 UdeM00000007602 XP_021366195.1 40.7 216
 113 3 6 217 7 211 5.60E-35 156 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007603 6565 178.7 UdeM00000007603 XP_022324223.1 59.2 147
 37 1 6 152 390 513 5.80E-42 178.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007604 6596 178.3 UdeM00000007604 XP_045205309.1 50.3 183
79 3 83 265 464 634 1.30E-41 178.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007605 6596 844.7 UdeM00000007605 XP_045205309.1 61.3 666
253 2 1 662 7 671 7.80E-242 844.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007606 6596 97.8 UdeM00000007606 XP_045205276.1 43 142
76 3 12 150 2456 2595 1.70E-17 97.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007607 1735272 81.3 UdeM00000007607 XP_041356856.1 66.7
54 18 0 1 54 2812 2865 5.60E-13 81.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000007608 6579 183.3 UdeM00000007608 XP_033743197.1 60 150
59 1 8 157 515 663 2.30E-43 183.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007609 1735272 100.1 UdeM00000007609 XP_041359498.1 45.6
158 78 3 7 157 19 175 2.60E-18 100.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000007610 2652724 123.2 UdeM00000007610 XP_020896887.1 72.9
70 19 0 2 71 175 244 2.80E-25 123.2 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000007611 1735272 426 UdeM00000007611 XP_041357963.1 77.1
245 55 1 1 245 1 244 4.30E-116 426 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000007612 6941 75.5 UdeM00000007612 XP_037289053.1 58.3 48
20 0 1 48 127 174 4.50E-11 75.5 6941 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
rmes;Ixodida;Ixodoidea;Ixodidae;Rhipicephalinae;Rhipicephalus;Boophilus;R
hipicephalus microplus

UdeM00000007613 6596 124.8 UdeM00000007613 XP_045205325.1 69.2 91
 27 1 1 91 1 90 5.70E-26 124.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007614 6596 580.1 UdeM00000007614 XP_045205326.1 64.1 460
 154 5 57 510 84 538 2.80E-162 580.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007615 6596 508.1 UdeM00000007615 XP_045205335.1 48.9 587
 231 9 2 560 316 861 1.50E-140 508.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007616 6596 203.8 UdeM00000007616 XP_045205335.1 39.6 351
 150 7 52 377 548 861 4.00E-49 203.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007617 29159 898.7 UdeM00000007617 NP_001292292.1 98.4 444
 7 0 1 444 1 444 3.10E-258 898.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007618 2607531 60.8 UdeM00000007618 XP_029655782.1 28.1
 139 83 4 136 258 171 308 3.00E-06 60.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000007620 2607531 60.8 UdeM00000007620 XP_029655782.1 28.1
 139 83 4 136 258 171 308 3.00E-06 60.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000007622 6596 556.6 UdeM00000007622 XP_045206611.1 36.4 862
 467 19 483 1316 293 1101 8.40E-155 556.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007623 6596 557 UdeM00000007623 XP_045206611.1 36.5 861
 467 19 483 1315 293 1101 6.50E-155 557 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007624 6596 557.8 UdeM00000007624 XP_045206611.1 36.7 850
 481 18 436 1269 293 1101 3.60E-155 557.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007625 6596 277.3 UdeM00000007625 XP_045204850.1 64.3 224
 80 0 1 224 263 486 1.70E-71 277.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007626 29159 195.3 UdeM00000007626 XP_034301774.1 66.4 137
 46 0 28 164 17 153 6.20E-47 195.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007627 6596 615.5 UdeM00000007627 XP_045204850.1 63.4 495
 151 1 28 522 27 491 6.10E-173 615.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007628 6565 228.4 UdeM00000007628 XP_022324618.1 75.5 143
 35 0 30 172 16 158 7.50E-57 228.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007629 6596 3858.1 UdeM00000007629 XP_045205276.1 69.1
 2916 818 31 40 2918 14 2883 0.00E+00 3858.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007630 6596 3863.9 UdeM00000007630 XP_045205276.1 69.2
 2908 824 29 40 2912 14 2883 0.00E+00 3863.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007631 6596 3852.8 UdeM00000007631 XP_045205276.1 69.2
 2915 817 31 40 2917 14 2883 0.00E+00 3852.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007632 6596 338.2 UdeM00000007632 XP_045205276.1 63 265
 96 1 1 263 2619 2883 9.40E-90 338.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007633 6579 914.8 UdeM00000007633 XP_033742254.1 42.5 1209
 464 24 182 1193 84 1258 1.10E-262 914.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007634 6596 409.5 UdeM00000007634 XP_045205592.1 41 693
 304 18 4 620 38 701 8.00E-111 409.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007635 37653 498.8 UdeM00000007635 XP_014775432.1 57.8 384
 158 1 23 406 23 402 6.50E-138 498.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
 Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000007637 6573 488.8 UdeM00000007637 XP_021366131.1 84.1 271
 43 0 1 271 1 271 4.70E-135 488.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007638 6596 773.5 UdeM00000007638 XP_045204079.1 70.4 557
 159 3 75 626 79 634 2.10E-220 773.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007639 6573 978.8 UdeM00000007639 XP_021366190.1 50.5 1023
 421 9 1 992 1 969 5.20E-282 978.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007640 72036 117.5 UdeM00000007640 XP_040576246.1 42.6 162
 87 3 4 163 6 163 1.60E-23 117.5 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;
 Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;Caligidae;Lepeophtheirus;
 Lepeophtheirus salmonis
 UdeM00000007641 1735272 144.8 UdeM00000007641 XP_041349428.1 43.9
 157 88 0 1 157 76 232 9.30E-32 144.8 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000007643 50429 906 UdeM00000007643 XP_022779498.1 99.1 446
 4 0 1 446 1 446 1.90E-260 906 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
 Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata
 UdeM00000007644 7757 824.3 UdeM00000007644 XP_032835470.1 88.9 442
 49 0 1 442 1 442 7.40E-236 824.3 7757 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus
 UdeM00000007645 6596 552.4 UdeM00000007645 XP_045205539.1 51.7 559
 201 7 52 603 36 532 7.30E-154 552.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007646 6565 104 UdeM00000007646 XP_022345797.1 45.8 107
 57 1 102 208 14 119 2.40E-19 104 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007647 6579 336.3 UdeM00000007647 XP_033743339.1 32.8 577
 254 10 31 485 47 611 6.60E-89 336.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007648 6596 1922.5 UdeM00000007648 XP_045203150.1 67.2
 1401 400 7 120 1465 7 1402 0.00E+00 1922.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007649 6596 432.2 UdeM00000007649 XP_045203151.1 49.5 529
 235 15 1 522 1 504 9.50E-118 432.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007650 27687 162.5 UdeM00000007650 XP_028673527.1 55.9 145
 62 1 26 170 206 348 4.60E-37 162.5 27687 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Cladistia;Polypteriformes;Polypteridae;Erpetoichthys;Erpetoichthys calabaricus
 UdeM00000007651 6596 70.9 UdeM00000007651 XP_045203154.1 72.7 44
 12 0 19 62 182 225 7.10E-10 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000007652 6565 113.6 UdeM00000007652 XP_022327962.1 40 150
 90 0 42 191 169 318 2.80E-22 113.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007653 6565 274.2 UdeM00000007653 XP_022327962.1 51.8 274
 129 2 1 271 445 718 1.70E-70 274.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007654 6565 253.1 UdeM00000007654 XP_022328361.1 61.8 186
 68 1 6 188 4 189 2.90E-64 253.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007655 6596 118.6 UdeM00000007655 XP_045203153.1 52.9 104
 48 1 1 103 94 197 5.30E-24 118.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007656 6596 1159.8 UdeM00000007656 XP_045203153.1 58.7
 1167 411 17 67 1171 172 1329 0.00E+00 1159.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007657 6596 662.1 UdeM00000007657 XP_045203153.1 69.7 482
 117 2 3 456 849 1329 4.90E-187 662.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007658 6596 762.3 UdeM00000007658 XP_045203523.1 77.6 482
 98 1 1 472 1 482 3.70E-217 762.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007659 6596 720.3 UdeM00000007659 XP_045204688.1 54.1 691
 300 5 1 674 1 691 2.30E-204 720.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007660 80966 103.6 UdeM00000007660 XP_022054011.1 34.8 135
 85 3 89 222 24 156 3.40E-19 103.6 80966 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Ovalentaria
 incertae sedis;Pomacentridae;Acanthochromis;Acanthochromis polyacanthus
 UdeM00000007661 7741 99.8 UdeM00000007661 XP_019639471.1 35.2 162
 98 5 38 196 65 222 4.20E-18 99.8 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000007662 6500 102.8 UdeM00000007662 XP_005097625.3 39.6 134
 74 3 116 246 98 227 6.30E-19 102.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidae;Aplysiidae;Aplysia;Aplysia californica

UdeM00000007663 6500 104 UdeM00000007663 XP_005097625.3 37.6 141
 83 4 88 225 87 225 2.60E-19 104 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000007664 7741 96.7 UdeM00000007664 XP_019638727.1 32.9 155
 99 3 95 245 1 154 4.50E-17 96.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000007665 46514 101.3 UdeM00000007665 XP_038076947.1 38 129
 77 3 113 239 290 417 1.80E-18 101.3 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000007666 113540 102.8 UdeM00000007666 XP_029108920.1 36.2
 141 82 4 83 221 10 144 5.70E-19 102.8 113540
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Osteoglo
 ssocephala;Osteoglossomorpha;Osteoglossiformes;Osteoglossidae;Scleropages
 ;Scleropages formosus
 UdeM00000007667 8090 92 UdeM00000007667 XP_011487723.2 37.4 115
 66 2 61 174 118 227 7.90E-16 92 8090 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
 oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
 latipes
 UdeM00000007668 8090 92 UdeM00000007668 XP_011487723.2 37.4 115
 66 2 91 204 118 227 9.20E-16 92 8090 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel
 oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias
 latipes
 UdeM00000007669 1250792 93.6 UdeM00000007669 XP_041823013.1 34.1
 123 73 2 89 203 33 155 3.20E-16 93.6 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
 eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani
 UdeM00000007670 1250792 82 UdeM00000007670 XP_041823010.1 33.9
 112 66 2 89 192 33 144 9.00E-13 82 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000007671 6596 497.3 UdeM00000007671 XP_045158043.1 42.3 622
325 9 480 1091 184 781 5.00E-137 497.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000007672 6596 497.3 UdeM00000007672 XP_045158043.1 42.3 622
325 9 480 1091 184 781 5.00E-137 497.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000007674 6596 92 UdeM00000007674 XP_045206721.1 38.6 176
87 8 114 274 555 724 3.90E-15 92 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000007676 6596 89 UdeM00000007676 XP_045209795.1 32.3 167
107 3 46 208 1070 1234 2.00E-14 89 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000007677 6596 84 UdeM00000007677 XP_045206721.1 41.4 152
72 8 17 158 580 724 2.60E-13 84 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000007678 6945 77.8 UdeM00000007678 XP_040070793.1 31.7 142
85 2 2 133 572 711 1.20E-11 77.8 6945 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo-
rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000007679 6565 506.9 UdeM00000007679 XP_022315266.1 42.9 622
323 10 210 820 539 1139 4.80E-140 506.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr-
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007680 6565 464.5 UdeM00000007680 XP_022315266.1 39.5 676
322 15 93 708 490 1138 2.40E-127 464.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr-
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007682 6565 134.4 UdeM00000007682 XP_022287605.1 34.2 263
137 9 5 250 102 345 2.20E-28 134.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007683 29159 155.2 UdeM00000007683 XP_034307878.1 34.7 239
147 3 111 344 13 247 1.70E-34 155.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000007684 6596 100.9 UdeM00000007684 XP_045203692.1 69.4 72
22 0 25 96 295 366 1.70E-18 100.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007685 6596 61.6 UdeM00000007685 XP_045206721.1 31.2 173
92 7 3 168 572 724 4.70E-06 61.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007686 1250792 98.6 UdeM00000007686 XP_041823013.1 34.1
123 73 2 89 203 33 155 9.90E-18 98.6 1250792
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani
UdeM00000007687 6596 489.6 UdeM00000007687 XP_045158043.1 41.4 637
336 9 28 658 176 781 6.30E-135 489.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007688 6596 490.3 UdeM00000007688 XP_045205438.1 38.3 732
404 13 446 1170 736 1426 6.60E-135 490.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007689 6596 110.2 UdeM00000007689 XP_045209796.1 31.3 632
338 15 52 603 573 1188 1.80E-20 110.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007690 6596 453 UdeM00000007690 XP_045158043.1 40.9 618
334 10 439 1048 187 781 1.00E-123 453 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007691 6596 455.7 UdeM00000007691 XP_045158043.1 40.7 632
330 11 439 1062 187 781 1.60E-124 455.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007692 6565 494.6 UdeM00000007692 XP_022315266.1 40.7 670
343 13 93 729 490 1138 2.20E-136 494.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007696 6565 138.7 UdeM00000007696 XP_022287605.1 32.9 286
154 11 5 274 102 365 1.20E-29 138.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007697 29159 106.7 UdeM00000007697 XP_034307878.1 33.3 174
107 3 88 256 78 247 5.30E-20 106.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007698 6579 335.1 UdeM00000007698 XP_033752673.1 52.9 314
99 1 1 265 339 652 8.10E-89 335.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007699 6579 60.8 UdeM00000007699 XP_033734087.1 44.4 72
40 0 4 75 19 90 1.00E-06 60.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007700 6565 494.6 UdeM00000007700 XP_022315266.1 40.7 668
361 12 434 1088 494 1139 3.30E-136 494.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007701 29159 65.5 UdeM00000007701 XP_034311339.1 30.6 183
110 7 20 194 177 350 2.40E-07 65.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000007704 6596 67.4 UdeM00000007704 XP_045206721.1 35.8 151
83 5 22 164 580 724 2.00E-08 67.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007705 6596 485.3 UdeM00000007705 XP_045205438.1 40.7 631
338 10 385 1007 824 1426 1.80E-133 485.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007706 1735272 62.8 UdeM00000007706 XP_041379294.1 35.5
93 57 2 356 445 9 101 1.60E-06 62.8 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000007712 6565 478.8 UdeM00000007712 XP_022315266.1 40.6 668
359 13 241 893 494 1138 1.50E-131 478.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007713 6596 495 UdeM00000007713 XP_045206611.1 37.3 748
413 15 278 1008 392 1100 2.30E-136 495 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007715 6596 74.3 UdeM00000007715 XP_045206721.1 34.5 148
89 3 22 164 580 724 5.00E-10 74.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007716 6596 491.1 UdeM00000007716 XP_045205438.1 41 631
336 10 541 1163 824 1426 3.80E-135 491.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043712 6596 293.1 UdeM00000043712 XP_045189084.1 32.3 607
296 12 1 597 1350 1851 1.10E-75 293.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043713 6596 283.5 UdeM00000043713 XP_045189084.1 29.9 669
324 10 1 664 1350 1878 9.40E-73 283.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043716 6596 247.3 UdeM00000043716 XP_045189084.1 31.5 546
268 8 1 542 1350 1793 6.50E-62 247.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043717 1735272 176 UdeM00000043717 XP_041378840.1 55.8
147 64 1 118 264 2 147 6.30E-41 176 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043718 1735272 184.5 UdeM00000043718 XP_041378840.1 45
200 84 2 1 200 303 476 1.30E-43 184.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000043719 1735272 443.7 UdeM00000043719 XP_041347065.1 56.8
417 167 4 17 421 75 490 2.70E-121 443.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000043720 6596 94.4 UdeM00000043720 XP_045177779.1 32.5 243
131 9 4 235 176 396 2.20E-16 94.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043744 6596 426.8 UdeM00000043744 XP_045188970.1 56.9 343
143 2 557 894 144 486 6.80E-116 426.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043745 225164 107.8 UdeM00000043745 XP_009061451.1 63.6
66 24 0 31 96 28 93 7.90E-21 107.8 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000043746 6579 193.4 UdeM00000043746 XP_033757489.1 57.2 152
61 1 66 217 13 160 3.30E-46 193.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043747 6579 310.5 UdeM00000043747 XP_033757358.1 77 200
44 2 142 339 178 377 2.70E-81 310.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043748 6573 668.7 UdeM00000043748 XP_021340985.1 73.8 435
113 1 8 441 1 435 5.10E-189 668.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000043750 6573 159.5 UdeM00000043750 XP_021371916.1 30.5 338
218 6 339 661 354 689 3.90E-35 159.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000043751 6596 915.6 UdeM00000043751 XP_045189234.1 50 1149
494 24 17 1096 93 1230 6.00E-263 915.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043752 6596 409.8 UdeM00000043752 XP_045189024.1 44.1 438
237 5 31 463 31 465 4.60E-111 409.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043753 6596 335.5 UdeM00000043753 XP_045189102.1 44.1 372
195 5 1 360 1 371 1.20E-88 335.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043754 29159 330.5 UdeM00000043754 XP_011423614.2 46.5 437
207 12 21 438 36 464 3.30E-87 330.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043755 29159 328.9 UdeM00000043755 XP_011423614.2 45.8 437
209 11 21 437 36 464 9.50E-87 328.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043756 6596 349.4 UdeM00000043756 XP_045190577.1 67.6 244
76 2 1 241 33 276 3.80E-93 349.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043757 6238 69.7 UdeM00000043757 XP_002630377.1 51.5 66
29 1 22 87 24 86 1.20E-08 69.7 6238 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Nematoda;Chromadorea;Rhabditida;Rhabditina;Rhabditomorpha;Rhabditoidea;Rhabditidae;Peloderinae;Caenorhabditis;Caenorhabditis briggsae

UdeM00000043759 45264 353.6 UdeM00000043759 XP_044165143.1 48.3 389
140 4 54 381 85 473 3.20E-94 353.6 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000043760 45264 92 UdeM00000043760 XP_044165143.1 45.8 107
56 2 2 106 367 473 5.20E-16 92 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000043761 45264 211.5 UdeM00000043761 XP_044184031.1 43.4 281
128 7 1 257 213 486 1.30E-51 211.5 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000043762 45264 97.8 UdeM00000043762 XP_044184709.1 51.7 87
42 0 38 124 55 141 2.20E-17 97.8 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000043764 6596 394.4 UdeM00000043764 XP_045189151.1 45.5 510
268 5 11 513 16 522 2.20E-106 394.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043765 6579 647.5 UdeM00000043765 XP_033756082.1 62.8 532
180 4 1 518 1 528 1.40E-182 647.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043766 6579 374 UdeM00000043766 XP_033756095.1 53 334
148 2 143 476 32 356 2.90E-100 374 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043767 225164 444.9 UdeM00000043767 XP_009064258.1 58.8
357 147 0 1 357 1 357 1.00E-121 444.9 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000043768 225164 500.4 UdeM00000043768 XP_009064258.1 65.2
368 122 2 1 367 1 363 2.00E-138 500.4 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000043769 6596 178.7 UdeM00000043769 XP_045189280.1 49.5 190
91 3 333 521 364 549 1.90E-41 178.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043770 6596 65.9 UdeM00000043770 XP_045189280.1 21 315
215 8 20 310 580 884 1.10E-07 65.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043771 6596 462.2 UdeM00000043771 XP_045180659.1 65.3 346
113 2 14 357 15 355 5.90E-127 462.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043772 29159 71.2 UdeM00000043772 XP_034299474.1 28.3 152
95 4 29 177 439 579 1.50E-09 71.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043774 6596 464.9 UdeM00000043774 XP_045180659.1 65.6 349
113 2 11 357 12 355 9.20E-128 464.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043775 6579 287 UdeM00000043775 XP_033756026.1 46.4 338
 165 5 32 360 18 348 3.40E-74 287 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043776 6596 271.6 UdeM00000043776 XP_045188401.1 51.3 261
 120 3 165 419 65 324 1.70E-69 271.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043777 6579 147.1 UdeM00000043777 XP_033757310.1 38.8 232
 96 3 66 255 121 348 3.00E-32 147.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043778 6579 89.7 UdeM00000043778 XP_033757431.1 35.9 153
 86 4 27 170 3 152 4.10E-15 89.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043779 6596 287.7 UdeM00000043779 XP_045191101.1 52.7 277
 118 4 64 338 44 309 1.90E-74 287.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043780 6596 286.6 UdeM00000043780 XP_045188400.1 46 337
 150 5 4 340 5 309 4.20E-74 286.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043781 7574 188 UdeM00000043781 XP_013384628.1 59 161
 57 2 1 161 33 184 1.00E-44 188 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000043784 6596 159.8 UdeM00000043784 XP_045166814.1 66.7 99
 33 0 6 104 192 290 2.00E-36 159.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043782 6596 267.3 UdeM00000043782 XP_045188400.1 49.3 268
 128 3 91 358 52 311 2.80E-68 267.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043783 6596 266.9 UdeM00000043783 XP_045188400.1 49.3 268
 128 3 89 356 52 311 3.60E-68 266.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043786 6579 266.9 UdeM00000043786 XP_033756026.1 55.4 240
 103 2 10 245 109 348 2.50E-68 266.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043787 6579 95.5 UdeM00000043787 XP_033757183.1 29.7 273
 165 9 36 299 59 313 1.20E-16 95.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043788 6596 230.3 UdeM00000043788 XP_045197972.1 59.1 176
 72 0 6 181 3 178 1.90E-57 230.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038474 6596 225.3 UdeM00000038474 XP_045175356.1 44.6 289
 147 4 1 278 11 297 1.00E-55 225.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038475 6596 1074.7 UdeM00000038475 XP_045175356.1 54.8
 1246 467 16 2 1199 390 1587 1.4e-310 1074.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038476 6579 630.6 UdeM00000038476 XP_033752416.1 44.2 731
 379 11 15 730 15 731 2.60E-177 630.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038477 6573 273.9 UdeM00000038477 XP_021371367.1 36.5 616
 339 12 614 1227 514 1079 1.00E-69 273.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038478 225164 109 UdeM00000038478 XP_009046908.1 56.3
 126 50 3 568 691 582 704 2.40E-20 109 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000038479 29159 487.3 UdeM00000038479 XP_034328053.1 79.6 324
 50 3 11 327 15 329 1.60E-134 487.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038502 6573 1156 UdeM00000038502 XP_021358473.1 82.6 648
 111 1 61 706 9 656 0.00E+00 1156 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038503 400727 161.4 UdeM00000038503 XP_025087592.1 39.9
263 137 5 250 504 471 720 5.00E-36 161.4 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038504 29159 87 UdeM00000038504 XP_011430284.2 51.2 86
41 1 328 413 291 375 6.30E-14 87 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038505 6565 372.1 UdeM00000038505 XP_022330155.1 67.4 273
81 2 5 275 6 272 6.30E-100 372.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038506 6565 323.2 UdeM00000038506 XP_022308643.1 54.1 283
130 0 121 403 76 358 5.00E-85 323.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038507 6579 335.9 UdeM00000038507 XP_033751791.1 69.9 239
71 1 1 238 1 239 4.20E-89 335.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038508 1735272 479.6 UdeM00000038508 XP_041365194.1 36
1090 504 27 30 1073 239 1180 1.10E-131 479.6 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038509 6565 281.2 UdeM00000038509 XP_022294039.1 78.8 170
36 0 1 170 1 170 9.00E-73 281.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000038510 6579 561.2 UdeM00000038510 XP_033751633.1 67.8 451
121 6 1 441 1 437 1.20E-156 561.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038511 6596 454.1 UdeM00000038511 XP_045176136.1 45.4 524
279 3 1 523 1 518 2.30E-124 454.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038512 6596 1583.2 UdeM00000038512 XP_045174631.1 59.8
1468 438 23 1 1428 1 1356 0.00E+00 1583.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038513 6596 966.5 UdeM00000038513 XP_045175493.1 78.2 600
130 1 1 599 1 600 1.60E-278 966.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038514 6579 235.7 UdeM00000038514 XP_033751630.1 51.1 262
95 5 1 243 1 248 1.40E-58 235.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038515 6596 1129.4 UdeM00000038515 XP_045176582.1 68.7
868 211 9 3 845 106 937 0.00E+00 1129.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038517 6596 364.4 UdeM00000038517 XP_045192454.1 35.7 603
378 8 39 639 34 628 3.10E-97 364.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038519 6596 852 UdeM00000038519 XP_045174916.1 47 909
459 9 4 896 12 913 6.60E-244 852 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038518 6596 842 UdeM00000038518 XP_045174916.1 46.9 902
456 9 4 889 12 906 7.10E-241 842 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038520 6596 388.7 UdeM00000038520 XP_045192454.1 34.9 622
384 8 96 714 25 628 1.70E-104 388.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038521 6596 394 UdeM00000038521 XP_045177034.1 34.9 628
398 7 84 704 7 630 3.90E-106 394 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038523 6596 210.3 UdeM00000038523 XP_045181979.1 33.1 435
168 6 1 313 1 434 3.70E-51 210.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038524 6596 209.1 UdeM00000038524 XP_045181979.1 32.9 434
168 6 1 312 1 433 7.90E-51 209.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038525 219594 68.9 UdeM00000038525 XP_032053598.1 38.8
85 49 2 22 105 21 103 4.40E-09 68.9 219594
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Galloanserae;Anseriformes;Anatidae;Aythyinae;Aythya;Aythya fuligula

UdeM00000038526 29159 456.4 UdeM00000038526 XP_034318418.1 47 511
264 4 1 506 45 553 4.60E-125 456.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038527 29159 364.4 UdeM00000038527 XP_034318418.1 49.4 387
189 4 10 391 169 553 1.80E-97 364.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038528 29159 453 UdeM00000038528 XP_034318418.1 47.7 511
259 4 1 505 45 553 5.10E-124 453 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038529 6596 401 UdeM00000038529 XP_045192454.1 36.2 611
380 8 94 701 25 628 3.20E-108 401 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038530 8520 70.9 UdeM00000038530 XP_042310960.1 33.8 136
72 4 8 127 64 197 1.50E-09 70.9 8520 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Iguania;Phrynosomatidae;Phrynosomatinae;Sceloporus;Sceloporus undulatus

UdeM00000038531 6596 1701 UdeM00000038531 XP_045163820.1 60.6 1385
518 7 7 1374 1044 2418 0.00E+00 1701 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036933 6596 202.6 UdeM00000036933 XP_045189280.1 39.2 283
 158 4 186 467 355 624 1.20E-48 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036934 6596 201.1 UdeM00000036934 XP_045189280.1 39.2 283
 158 4 202 483 355 624 3.50E-48 201.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036936 1735272 248.8 UdeM00000036936 XP_041360734.1 59.6
 188 73 3 6 191 642 828 5.60E-63 248.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036938 1735272 70.5 UdeM00000036938 XP_041369289.1 63
 54 20 0 107 160 84 137 2.30E-09 70.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036939 1735272 104.4 UdeM00000036939 XP_041369289.1 74.6
 67 17 0 107 173 84 150 1.50E-19 104.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036942 6579 250.8 UdeM00000036942 XP_033764133.1 30.1 698
 433 21 180 837 462 1144 6.30E-63 250.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036943 215358 185.7 UdeM00000036943 XP_010746537.1 69.5
 128 39 0 1 128 72 199 3.90E-44 185.7 215358
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae
 sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000036944 6596 458.4 UdeM00000036944 XP_045188486.1 37.4 827
 454 18 753 1556 1765 2550 3.70E-125 458.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041882 6596 416.8 UdeM00000041882 XP_045200137.1 58.6 367
 139 5 1 356 8 372 3.50E-113 416.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041883 6596 952.6 UdeM00000041883 XP_045201645.1 58.1 833
 320 8 2 830 8 815 3.30E-274 952.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041884 6596 94 UdeM00000041884 XP_045202501.1 28 225
 142 5 45 260 235 448 3.10E-16 94 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041885 6596 262.7 UdeM00000041885 XP_045199354.1 25.2 927
 445 25 1 703 65 967 1.40E-66 262.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041886 6596 264.6 UdeM00000041886 XP_045199354.1 26.4 806
 396 21 2 629 65 851 4.40E-67 264.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041887 6596 372.9 UdeM00000041887 XP_045199354.1 29.1 924
 474 23 1 765 65 966 1.00E-99 372.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041888 6596 347.1 UdeM00000041888 XP_045199354.1 28.8 879
 446 22 1 721 65 921 5.70E-92 347.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041889 6565 237.3 UdeM00000041889 XP_022341202.1 58.8 194
 79 1 1 194 1 193 1.70E-59 237.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041890 6596 203 UdeM00000041890 XP_045199877.1 51.2 211
 103 0 6 216 15 225 4.10E-49 203 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041891 6573 70.5 UdeM00000041891 XP_021339605.1 42.4 118
 58 4 18 128 17 131 7.00E-09 70.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041892 29159 73.6 UdeM00000041892 XP_034319609.1 55.2 58
 26 0 45 102 897 954 1.70E-10 73.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041892 29159 61.2 UdeM00000041892 XP_034319609.1 65.1 43
 15 0 2 44 376 418 8.80E-07 61.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041895 29159 106.3 UdeM00000041895 XP_034315421.1 42 138
 77 2 16 153 238 372 3.60E-20 106.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041896 7998 124.4 UdeM00000041896 XP_017349415.1 75.3 73
 18 0 2 74 25 97 6.30E-26 124.4 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus
 UdeM00000041898 7998 154.1 UdeM00000041898 XP_017334791.1 53.8 156
 68 1 16 167 231 386 1.60E-34 154.1 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus
 UdeM00000041897 7739 475.7 UdeM00000041897 XP_035696678.1 59.5 390
 155 1 60 446 336 725 7.60E-131 475.7 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000041899 6596 357.8 UdeM00000041899 XP_045195108.1 29.9 1229
 559 22 77 1294 13 949 5.70E-95 357.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041900 6579 416.8 UdeM00000041900 XP_033760981.1 63.7 353
 100 5 2 327 1 352 2.60E-113 416.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041903 10224 81.3 UdeM00000041903 XP_002740528.1 46.2 93
 42 2 2 94 106 190 7.90E-13 81.3 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000041904 10224 191.8 UdeM00000041904 XP_006822101.1 43.6 227
 119 2 1 227 243 460 1.00E-45 191.8 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii

UdeM00000041905 6596 988.8 UdeM00000041905 XP_045200549.1 67 713
233 2 5 715 311 1023 3.60E-285 988.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041906 6596 256.1 UdeM00000041906 XP_045199877.1 61.8 217
77 2 6 222 15 225 4.20E-65 256.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041907 6573 886.3 UdeM00000041907 XP_021374124.1 86 507
71 0 8 514 41 547 1.80E-254 886.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000041909 6596 503.4 UdeM00000041909 XP_045195108.1 32.5 1436
606 28 85 1510 13 1094 9.70E-139 503.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041910 6565 129.8 UdeM00000041910 XP_022339327.1 30.7 313
175 7 1 288 1 296 5.90E-27 129.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000041911 29159 114.8 UdeM00000041911 XP_011415393.2 28.1 320
187 9 99 393 1 302 2.50E-22 114.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000041912 29159 118.2 UdeM00000041912 XP_011415393.2 28.8 320
185 9 1 295 1 302 1.70E-23 118.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000041914 6596 527.7 UdeM00000041914 XP_045199981.1 70.1 402
120 0 2 403 3 404 1.30E-146 527.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041915 6596 750.4 UdeM00000041915 XP_045199753.1 50.1 746
326 13 18 726 24 760 2.20E-213 750.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041916 6596 260.8 UdeM00000041916 XP_045199752.1 45.1 273
144 4 1 269 515 785 2.00E-66 260.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041917 6596 860.1 UdeM00000041917 XP_045199752.1 52.5 812
334 11 1 787 1 785 2.10E-246 860.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041918 6596 507.3 UdeM00000041918 XP_045195108.1 34.3 1436
580 26 77 1502 13 1094 6.70E-140 507.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041919 6596 387.5 UdeM00000041919 XP_045195108.1 45.4 467
214 6 77 536 13 445 2.80E-104 387.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041920 6596 530.4 UdeM00000041920 XP_045195108.1 33.3 1360
621 32 77 1428 13 1094 7.00E-147 530.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041922 6596 444.5 UdeM00000041922 XP_045199381.1 69.4 294
89 1 4 297 15 307 1.10E-121 444.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041923 6596 182.2 UdeM00000041923 XP_045199380.1 40.9 237
116 2 1263 1483 994 1222 4.90E-42 182.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041924 6596 182.2 UdeM00000041924 XP_045199380.1 40.9 237
116 2 1263 1483 994 1222 4.90E-42 182.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041925 6565 129.4 UdeM00000041925 XP_022327962.1 34.4 273
64 2 52 210 226 497 6.40E-27 129.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041926 6596 291.6 UdeM00000041926 XP_045199996.1 44.8 422
181 8 1 370 109 530 1.50E-75 291.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041927 6596 327 UdeM00000041927 XP_045200212.1 51.3 378
159 8 1 366 125 489 3.20E-86 327 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041928 6596 79.3 UdeM00000041928 XP_045199433.1 29 231
112 7 9 234 593 776 1.10E-11 79.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041929 6596 180.3 UdeM00000041929 XP_045161521.1 35.4 291
157 8 19 287 17 298 6.40E-42 180.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041930 400727 181.4 UdeM00000041930 XP_025106831.1 35.8
285 159 9 42 305 42 323 3.00E-42 181.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000041930 400727 73.2 UdeM00000041930 XP_025106831.1 35.7
115 66 3 414 520 616 730 1.10E-09 73.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000041931 6565 541.2 UdeM00000041931 XP_022286115.1 65.7 394
135 0 1 394 85 478 1.10E-150 541.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041932 29159 323.6 UdeM00000041932 XP_011430850.2 44.9 332
173 3 177 505 166 490 5.20E-85 323.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041933 6596 150.6 UdeM00000041933 XP_045201103.1 60 125
47 2 5 127 6 129 1.40E-33 150.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041934 1735272 150.6 UdeM00000041934 XP_041357791.1 60
125 49 1 2 125 3 127 1.40E-33 150.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041935 6596 1248.4 UdeM00000041935 XP_045201103.1 57.4
1262 396 16 41 1289 130 1262 0.00E+00 1248.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041936 6596 377.1 UdeM00000041936 XP_045199274.1 39.3 585
290 4 1 521 78 661 4.30E-101 377.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041937 29159 506.5 UdeM00000041937 XP_034328020.1 47 613
310 7 41 648 29 631 5.20E-140 506.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041938 6596 459.5 UdeM00000041938 XP_045199274.1 42.4 625
348 6 39 655 77 697 7.00E-126 459.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041939 6596 73.9 UdeM00000041939 XP_045199915.1 44.6 101
46 3 2 95 302 399 1.40E-10 73.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041940 6596 303.5 UdeM00000041940 XP_045199274.1 47.1 367
191 2 3 368 60 424 3.70E-79 303.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041941 6596 450.7 UdeM00000041941 XP_045202456.1 46.6 549
239 10 281 794 18 547 4.10E-123 450.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041942 6579 654.8 UdeM00000041942 XP_033761051.1 35.1 1593
858 43 4 1508 8 1512 2.60E-184 654.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041944 6579 159.1 UdeM00000041944 XP_033743219.1 40.6 217
112 6 26 237 34 238 7.10E-36 159.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041948 411798 77.8 UdeM00000041948 XP_011883029.1 43.3
 97 52 2 3 99 4 97 8.70E-12 77.8 411798
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Formicoidea;Formicidae;Myrmicinae;Stenammini;Vollenhovia;Vollenhovia
 emeryi
 UdeM00000041950 6596 77 UdeM00000041950 XP_045179849.1 46.5 71
 38 0 36 106 283 353 2.40E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041951 6565 235 UdeM00000041951 XP_022289977.1 28.7 654
 348 15 867 1519 322 858 6.50E-58 235 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041952 6565 333.6 UdeM00000041952 XP_022334993.1 43.1 450
 88 2 14 295 420 869 2.60E-88 333.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041953 6565 209.1 UdeM00000041953 XP_022289977.1 30.1 627
 342 16 676 1298 322 856 3.30E-50 209.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041955 6573 376.7 UdeM00000041955 XP_021372135.1 49.9 337
 168 1 53 388 71 407 3.50E-101 376.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041956 6596 218.4 UdeM00000041956 XP_045202119.1 63 162
 60 0 97 258 43 204 1.10E-53 218.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041957 6573 335.9 UdeM00000041957 XP_021376764.1 70.6 238
 61 6 1 233 58 291 5.60E-89 335.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041958 29159 145.6 UdeM00000041958 XP_034299474.1 56.7 127
 55 0 3 129 542 668 4.50E-32 145.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041959 6565 266.5 UdeM00000041959 XP_022322655.1 43.1 348
 170 6 13 349 46 376 4.70E-68 266.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000041960 6565 250 UdeM00000041960 XP_022322655.1 42.3 333
165 6 13 320 46 376 4.20E-63 250 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000041962 6596 59.3 UdeM00000041962 XP_045202599.1 32.4 74
50 0 112 185 191 264 7.20E-06 59.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000041963 6596 287.7 UdeM00000041963 XP_045202599.1 54 265
117 2 15 279 256 515 2.50E-74 287.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000041964 6573 291.6 UdeM00000041964 XP_021374128.1 76.1 176
37 1 19 194 813 983 7.50E-76 291.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000041965 6105 186.8 UdeM00000041965 XP_031554707.1 28.3 459
262 10 67 464 1 453 6.20E-44 186.8 6105 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Actiniaria; Actiniidae; Actinia; Actinia tenebrosa
UdeM00000041966 6596 99 UdeM00000041966 XP_045202212.1 30.6 193
124 4 30 217 187 374 8.00E-18 99 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000041967 29159 521.5 UdeM00000041967 XP_034299860.1 52.5 501
132 1 3 397 32 532 9.60E-145 521.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000041970 6596 2476 UdeM00000041970 XP_045199519.1 76.4 1674
380 8 5 1668 539 2207 0.00E+00 2476 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000041971 441366 150.2 UdeM00000041971 XP_028326620.1 41.9
217 116 5 1 216 48 255 3.00E-33 150.2 441366
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorpha; Percomorphaceae; Ovalentaria; Blenniimorphae; Blen

niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000041973 225164 238.4 UdeM00000041973 XP_009064475.1 60.6
 175 67 1 5 179 2 174 8.10E-60 238.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000041974 1735272 58.9 UdeM00000041974 XP_041360711.1 38.6
 70 43 0 3 72 44 113 5.00E-06 58.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041975 6596 208 UdeM00000041975 XP_045208259.1 46.9 213
 111 2 3 215 276 486 1.20E-50 208 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041976 6579 193 UdeM00000041976 XP_033736448.1 38.9 270
 138 6 5 247 10 279 8.70E-46 193 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041977 29159 466.8 UdeM00000041977 XP_034311318.1 39.8 698
 369 19 140 820 1 664 6.00E-128 466.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000041978 6596 181.8 UdeM00000041978 XP_045214901.1 30.8 403
 264 4 15 413 61 452 3.50E-42 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041979 6565 211.1 UdeM00000041979 XP_022315978.1 38.9 283
 170 2 216 495 127 409 3.40E-51 211.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041980 6596 511.1 UdeM00000041980 XP_045171694.1 65.4 367
 121 2 6 372 5 365 1.20E-141 511.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041981 1735272 90.9 UdeM00000041981 XP_041356288.1 37.4
 131 79 2 1 128 4 134 1.60E-15 90.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041982 6596 196.4 UdeM00000041982 XP_045196125.1 38.9 283
 165 2 24 300 127 407 5.10E-47 196.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041983 6573 100.5 UdeM00000041983 XP_021372170.1 34.4 160
 98 5 11 164 901 1059 2.40E-18 100.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041984 6573 65.1 UdeM00000041984 XP_021360016.1 51.6 62
 26 3 30 90 1973 2031 1.10E-07 65.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041987 6596 118.2 UdeM00000041987 XP_045200923.1 21 819
 518 29 33 749 878 1669 4.50E-23 118.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041988 6596 155.6 UdeM00000041988 XP_045200918.1 21.3 1057
 712 39 255 1234 940 1953 4.30E-34 155.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041991 6596 119.8 UdeM00000041991 XP_045202349.1 23.5 417
 292 10 527 917 354 769 1.90E-23 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041992 6573 197.2 UdeM00000041992 XP_021339447.1 39.9 258
 147 4 2 254 76 330 2.60E-47 197.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041995 6579 175.6 UdeM00000041995 XP_033735065.1 38.8 232
 128 6 2 225 313 538 7.10E-41 175.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041997 6596 180.3 UdeM00000041997 XP_045200736.1 40.2 276
 139 7 11 279 12 268 3.50E-42 180.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041998 6596 147.1 UdeM00000041998 XP_045200708.1 30.2 298
 190 8 11 298 13 302 3.50E-32 147.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041999 29159 658.3 UdeM00000041999 XP_034303860.1 46.3 730
272 7 15 626 21 748 9.90E-186 658.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042000 6565 97.1 UdeM00000042000 XP_022312527.1 44.1 102
56 1 55 155 70 171 2.40E-17 97.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042003 6596 170.6 UdeM00000042003 XP_045199619.1 30.9 350
203 11 56 386 192 521 4.00E-39 170.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042004 6596 63.9 UdeM00000042004 XP_045199312.1 47.1 68
33 1 8 72 3 70 2.20E-07 63.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042006 6596 1380.9 UdeM00000042006 XP_045200455.1 76
920 211 7 2 918 6 918 0.00E+00 1380.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042007 6596 243 UdeM00000042007 XP_045200455.1 64.2 215
70 4 2 213 6 216 3.70E-61 243 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042008 6850 155.2 UdeM00000042008 XP_022249205.1 31.4 344
223 5 30 367 246 582 1.80E-34 155.2 6850 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limulidae;Limulus;Limulus polyphemus

UdeM00000042010 72036 70.9 UdeM00000042010 XP_040576246.1 46.7 75
34 2 1 75 1 69 8.30E-10 70.9 72036 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;Caligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000042009 1437191 151.8 UdeM00000042009 XP_029054816.1 27.2
383 144 4 31 279 78 459 1.30E-33 151.8 1437191
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata

eata; Apoidea; Megachilidae; Megachilinae; Osmini; Osmia; Osmia bicornis; Osmia bicornis bicornis

UdeM00000042011 1437191 141.7 UdeM00000042011 XP_029054816.1 27.2
345 116 4 7 217 116 459 1.10E-30 141.7 1437191
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Aculeata; Apoidea; Megachilidae; Megachilinae; Osmini; Osmia; Osmia bicornis; Osmia bicornis bicornis

UdeM00000042012 6596 196.1 UdeM00000042012 XP_045200233.1 45.7 304
109 4 52 301 4 305 6.70E-47 196.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000042014 6596 165.6 UdeM00000042014 XP_045200240.1 38.2 272
137 7 1 265 468 715 1.10E-37 165.6 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000042015 1735272 308.1 UdeM00000042015 XP_041354893.1 36.8
451 242 5 7 424 15 455 1.70E-80 308.1 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000042016 1735272 327 UdeM00000042016 XP_041354884.1 37.9
459 242 5 7 432 15 463 3.60E-86 327 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000042017 29159 580.5 UdeM00000042017 XP_034331610.1 44.1 709
361 10 480 1185 446 1122 4.90E-162 580.5 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000042018 225164 230.3 UdeM00000042018 XP_009067178.1 45.7
247 130 2 1 245 3 247 2.70E-57 230.3 225164
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000042019 6596 332.4 UdeM00000042019 XP_045200420.1 40 530
263 11 1 486 1 519 1.30E-87 332.4 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000042020 6596 328.2 UdeM00000042020 XP_045200421.1 40.3 518
254 11 1 474 1 507 2.50E-86 328.2 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042021 6565 138.7 UdeM00000042021 XP_022337040.1 52.6 152
53 3 28 167 36 180 9.20E-30 138.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042022 1735272 239.6 UdeM00000042022 XP_041355070.1 50.9
222 106 2 15 234 1040 1260 4.10E-60 239.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042023 1735272 1236.5 UdeM00000042023 XP_041355070.1
56.2 1112 321 3 2 1112 96 1042 0.00E+00 1236.5
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042024 225164 151 UdeM00000042024 XP_009062989.1 74.2
93 24 0 5 97 4 96 8.40E-34 151 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000042025 29159 239.2 UdeM00000042025 XP_011451530.1 57.2 194
80 2 102 292 72 265 6.70E-60 239.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042026 29159 279.3 UdeM00000042026 XP_034322046.1 40.3 380
138 4 1 295 151 526 6.50E-72 279.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042027 6596 164.9 UdeM00000042027 XP_045193680.1 32.1 392
215 9 1 364 32 400 2.30E-37 164.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042028 6596 406.4 UdeM00000042028 XP_045202048.1 54.4 333
152 0 81 413 12 344 4.40E-110 406.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042029 6596 210.7 UdeM00000042029 XP_045193708.1 34.1 343
213 3 6 335 16 358 3.90E-51 210.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042030 6596 282.7 UdeM00000042030 XP_045202048.1 51.9 241
 116 0 54 294 13 253 5.50E-73 282.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042032 6596 294.3 UdeM00000042032 XP_045200566.1 68 225
 61 2 1 225 1 214 2.00E-76 294.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042033 6596 319.7 UdeM00000042033 XP_045200573.1 78.2 188
 41 0 5 192 6 193 2.50E-84 319.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042034 29159 839.7 UdeM00000042034 XP_011412106.2 68.1 599
 178 5 1 592 1 593 2.30E-240 839.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042038 6579 525.4 UdeM00000042038 XP_033760928.1 57.9 435
 182 1 12 445 11 445 7.20E-146 525.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042039 6596 183.3 UdeM00000042039 XP_045200568.1 58.7 172
 61 2 14 176 17 187 3.30E-43 183.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042040 6596 490 UdeM00000042040 XP_045202563.1 47 585
 261 11 1 553 1 568 4.10E-135 490 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042041 6596 867.8 UdeM00000042041 XP_045200589.1 67.6 602
 185 3 1 592 1 602 7.70E-249 867.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042042 6596 387.1 UdeM00000042042 XP_045200590.1 78.7 239
 51 0 1 239 1 239 1.60E-104 387.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042043 6579 335.5 UdeM00000042043 XP_033759719.1 42.9 429
 209 9 93 518 109 504 1.20E-88 335.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042044 6596 588.2 UdeM00000042044 XP_045200590.1 91.9 307
25 0 12 318 239 545 6.30E-165 588.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042047 29159 318.9 UdeM00000042047 XP_034329290.1 59 261
105 2 34 293 3 262 6.60E-84 318.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042048 1735272 308.1 UdeM00000042048 XP_041353531.1 35.8
489 307 7 16 499 23 509 2.00E-80 308.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042049 6596 1568.5 UdeM00000042049 XP_045200045.1 72.9
1066 289 0 244 1309 28 1093 0.00E+00 1568.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042050 6596 264.2 UdeM00000042050 XP_045200046.1 85.5 145
21 0 24 168 40 184 1.10E-67 264.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042051 6579 228.8 UdeM00000042051 XP_033759847.1 86.2 116
16 0 31 146 180 295 5.10E-57 228.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042052 6573 68.6 UdeM00000042052 XP_021360024.1 68.3 41
13 0 69 109 299 339 5.80E-09 68.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000042053 6596 202.2 UdeM00000042053 XP_045202018.1 70.6 136
40 0 23 158 2 137 4.90E-49 202.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042054 6596 633.6 UdeM00000042054 XP_045200780.1 91.9 347
28 0 1 347 312 658 1.40E-178 633.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042055 6596 982.6 UdeM00000042055 XP_045200780.1 78.7 616
 124 5 15 624 44 658 2.30E-283 982.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042056 7668 138.7 UdeM00000042056 XP_011666894.1 39.7 204
 107 4 2 194 95 293 8.10E-30 138.7 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000042057 29159 1004.6 UdeM00000042057 XP_011445854.2 74.6
 638 158 2 13 647 14 650 6.50E-290 1004.6
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042058 29159 314.7 UdeM00000042058 XP_034327344.1 54.9 275
 70 2 2 275 4 225 1.20E-82 314.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042059 6526 87 UdeM00000042059 XP_013068584.1 42.1 133
 76 1 1 133 8 139 1.90E-14 87 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000042060 6596 146.4 UdeM00000042060 XP_045199818.1 56.2 130
 53 1 1 126 1 130 2.70E-32 146.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042061 6596 146.7 UdeM00000042061 XP_045199252.1 35.7 224
 136 5 63 283 41 259 1.70E-31 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042061 6596 124.8 UdeM00000042061 XP_045199252.1 30.9 372
 201 15 691 1025 261 613 7.10E-25 124.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042062 6596 276.6 UdeM00000042062 XP_045199252.1 34.4 555
 309 17 43 561 41 576 9.40E-71 276.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042063 6596 325.5 UdeM00000042063 XP_045199497.1 40.9 491
 209 8 5 456 5 453 1.10E-85 325.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042064 6596 701.8 UdeM00000042064 XP_045199497.1 41.8 1001
 450 17 5 949 5 928 1.20E-198 701.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042065 6596 121.3 UdeM00000042065 XP_045199665.1 54.3 116
 49 2 11 124 561 674 1.00E-24 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042066 6596 120.9 UdeM00000042066 XP_045199665.1 54.3 116
 49 2 11 124 561 674 1.20E-24 120.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042067 225164 359 UdeM00000042067 XP_009050332.1 59
 349 105 7 7 323 30 372 6.50E-96 359 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000042068 6596 389.4 UdeM00000042068 XP_045156737.1 58.9 326
 133 1 6 331 10 334 4.50E-105 389.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042069 6596 863.2 UdeM00000042069 XP_045200330.1 50.5 855
 386 4 1 820 31 883 2.60E-247 863.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042070 29159 74.3 UdeM00000042070 XP_034308960.1 32.6 135
 80 4 14 137 79 213 1.30E-10 74.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042071 6565 147.1 UdeM00000042071 XP_022302274.1 49.3 144
 71 2 125 268 159 300 3.10E-32 147.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042072 6596 355.5 UdeM00000042072 XP_045201849.1 31.2 808
 494 26 22 798 220 996 1.90E-94 355.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042073 6579 71.6 UdeM00000042073 XP_033761549.1 32.1 134
 70 5 14 144 92 207 9.10E-10 71.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042074 6579 158.7 UdeM00000042074 XP_033762813.1 49.1 167
 74 5 1 159 373 536 6.30E-36 158.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042075 6596 136 UdeM00000042075 XP_045201849.1 29.8 329
 213 10 3 325 680 996 1.10E-28 136 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042076 29159 450.7 UdeM00000042076 XP_034311825.1 52.2 485
 190 12 1 451 167 643 2.20E-123 450.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042077 6565 293.9 UdeM00000042077 XP_022305524.1 26.7 884
 535 25 19 821 5 856 6.40E-76 293.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042078 6596 394.8 UdeM00000042078 XP_045201849.1 29 1001
 609 32 16 970 52 996 3.40E-106 394.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042079 29159 81.3 UdeM00000042079 XP_034308960.1 37.1 97
 61 0 19 115 35 131 1.60E-12 81.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042080 6596 328.2 UdeM00000042080 XP_045201849.1 30.2 785
 473 28 27 769 275 1026 3.10E-86 328.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042081 6579 86.7 UdeM00000042081 XP_033761549.1 28.6 210
 123 8 6 207 17 207 3.90E-14 86.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042082 6579 191.4 UdeM00000042082 XP_033762813.1 38.5 322
 168 13 6 310 275 583 1.70E-45 191.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042083 6596 144.4 UdeM00000042083 XP_045201849.1 29.8 332
 209 10 3 325 680 996 2.80E-31 144.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042084 29159 158.7 UdeM00000042084 XP_034319569.1 27.5 436
 276 12 15 419 18 444 1.60E-35 158.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042085 6596 135.6 UdeM00000042085 XP_045201849.1 24.8 427
 290 11 8 416 583 996 1.60E-28 135.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042086 6596 383.3 UdeM00000042086 XP_045201849.1 28.5 998
 615 31 18 971 54 996 1.00E-102 383.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042087 6596 385.2 UdeM00000042087 XP_045201849.1 28.4 1022
 625 33 31 1008 38 996 2.80E-103 385.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042088 6596 187.2 UdeM00000042088 XP_045201849.1 29.4 486
 307 17 1 478 539 996 5.70E-44 187.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042089 6596 317.8 UdeM00000042089 XP_045201849.1 30.1 752
 463 25 57 776 276 996 4.30E-83 317.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042090 6596 681 UdeM00000042090 XP_045199401.1 75.3 405
 100 0 1 405 1 405 9.10E-193 681 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042091 6596 167.9 UdeM00000042091 XP_045199401.1 67 112
 25 1 1 112 306 405 7.20E-39 167.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042092 1735272 648.7 UdeM00000042092 XP_041352694.1 61.5
501 193 0 1 501 1 501 6.40E-183 648.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000042093 29159 226.1 UdeM00000042093 XP_034314314.1 33.3 375
206 10 24 370 347 705 1.10E-55 226.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042094 29159 288.5 UdeM00000042094 XP_034314303.1 33.3 456
257 11 24 448 347 786 2.10E-74 288.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042095 29159 290 UdeM00000042095 XP_034314303.1 33.1 456
261 10 24 451 347 786 7.20E-75 290 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042096 6596 511.1 UdeM00000042096 XP_045215998.1 63.9 366
131 1 9 374 28 392 1.20E-141 511.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042097 6596 227.6 UdeM00000042097 XP_045202260.1 51.5 200
94 1 7 203 7 206 1.40E-56 227.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042098 6565 589.3 UdeM00000042098 XP_022322954.1 50.8 539
261 3 23 559 97 633 5.50E-165 589.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042099 6596 389.8 UdeM00000042099 XP_045201849.1 27.5 1033
664 30 1 991 7 996 1.10E-104 389.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042100 6565 428.3 UdeM00000042100 XP_022325507.1 46.9 495
253 8 99 585 73 565 2.00E-116 428.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042102 6596 221.5 UdeM00000042102 XP_045166467.1 38.4 268
 165 0 11 278 14 281 1.50E-54 221.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042103 29159 236.5 UdeM00000042103 XP_034324494.1 35.8 411
 198 6 97 444 252 659 6.50E-59 236.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042104 29159 80.1 UdeM00000042104 XP_034317111.1 40.9 110
 64 1 1 109 780 889 2.00E-12 80.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042105 6565 61.2 UdeM00000042105 XP_022299838.1 42.9 49
 28 0 70 118 59 107 1.00E-06 61.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042106 400727 167.5 UdeM00000042106 XP_025080217.1 38.7
 217 129 2 7 219 101 317 1.80E-38 167.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000042109 6596 318.5 UdeM00000042109 XP_045201581.1 49.5 321
 160 2 4 322 7 327 9.50E-84 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042110 6596 1030.4 UdeM00000042110 XP_045201714.1 66.8
 762 253 0 14 775 15 776 1.20E-297 1030.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042111 6596 313.9 UdeM00000042111 XP_045201713.1 76.4 199
 47 0 1 199 1 199 1.40E-82 313.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042112 6565 325.9 UdeM00000042112 XP_022341837.1 36.5 750
 445 5 17 738 20 766 1.40E-85 325.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042114 6579 73.2 UdeM00000042114 XP_033761565.1 50 70
 31 1 61 126 197 266 3.40E-10 73.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000042115 6596 149.8 UdeM00000042115 XP_045202410.1 60.8 120
45 2 6 123 120 239 2.30E-33 149.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000042116 6596 112.8 UdeM00000042116 XP_045180427.1 39 177
105 2 76 250 98 273 6.50E-22 112.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000042117 6573 186.4 UdeM00000042117 XP_021346716.1 69.9 133
39 1 3 134 4 136 5.00E-44 186.4 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000042118 6579 122.1 UdeM00000042118 XP_033760709.1 26.8 336
213 8 3 314 14 340 1.30E-24 122.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000042119 6579 124 UdeM00000042119 XP_033760709.1 27.7 336
213 9 3 317 14 340 3.40E-25 124 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000042120 8154 84.7 UdeM00000042120 XP_026010645.1 34.8 135
80 3 82 215 214 341 1.60E-13 84.7 8154 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorpha; Euacanthomorpha; Percomorphaceae; Ovalentaria; Cichlomorphae; Cichliformes; Cichlidae; African cichlids; Pseudocrenilabrinae; Haplochromini; Astatotilapia; Astatotilapia calliptera
UdeM00000042129 6573 95.1 UdeM00000042129 XP_021358477.1 27.5 229
139 7 34 247 111 327 1.60E-16 95.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000042130 6579 459.1 UdeM00000042130 XP_033760827.1 52.2 464
219 2 3 466 40 500 6.50E-126 459.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000042131 6579 327.4 UdeM00000042131 XP_033760827.1 50.7 349
158 3 6 350 147 485 2.30E-86 327.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000042133 6579 450.3 UdeM00000042133 XP_033760827.1 52.8 436
 204 2 71 505 51 485 3.40E-123 450.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042136 6573 236.1 UdeM00000042136 XP_021372134.1 54.2 214
 97 1 1 213 1 214 4.10E-59 236.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042137 6596 915.6 UdeM00000042137 XP_045200376.1 58.3 786
 291 8 12 761 3 787 4.20E-263 915.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042138 6596 1105.9 UdeM00000042138 XP_045200376.1 61.9
 951 293 13 1 911 4 925 0.00E+00 1105.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042139 218467 235 UdeM00000042139 XP_023228523.1 28
 603 240 4 1 410 1 602 1.80E-58 235 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000042140 114398 278.9 UdeM00000042140 XP_042903861.1 33.3
 508 265 5 1 437 1 505 1.10E-71 278.9 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000042141 6596 297.4 UdeM00000042141 XP_045200373.1 73 185
 50 0 1 185 684 868 1.30E-77 297.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042142 6596 290 UdeM00000042142 XP_045200373.1 57.4 265
 84 3 56 292 388 651 3.70E-75 290 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042143 6596 404.8 UdeM00000042143 XP_045200373.1 66.2 287
 95 2 1 286 102 387 9.10E-110 404.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000042144 6596 1138.6 UdeM00000042144 XP_045200373.1 61.2
 999 306 14 29 982 45 1006 0.00E+00 1138.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042145 1735272 229.2 UdeM00000042145 XP_041355316.1 64.1
 167 60 0 22 188 20 186 4.40E-57 229.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042146 6573 247.7 UdeM00000042146 XP_021377729.1 54.9 288
 114 6 1 274 8 293 1.80E-62 247.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042147 6573 413.3 UdeM00000042147 XP_021377729.1 75.5 261
 59 3 19 277 282 539 2.40E-112 413.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042148 6579 172.6 UdeM00000042148 XP_033760035.1 28.1 615
 313 18 81 659 51 572 1.70E-39 172.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042149 29159 67 UdeM00000042149 XP_034323040.1 30.7 163
 101 5 1 156 1 158 3.00E-08 67 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042155 6565 84 UdeM00000042155 XP_022339328.1 29.8 272
 170 7 4 258 1 268 3.30E-13 84 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042156 6579 300.8 UdeM00000042156 XP_033760735.1 76.1 180
 43 0 1 180 6 185 3.80E-78 300.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042157 6596 229.9 UdeM00000042157 XP_045201420.1 47.7 348
 170 5 15 350 2 349 4.90E-57 229.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042158 6596 1134.8 UdeM00000042158 XP_045201298.1 54.6
 976 427 9 116 1084 1 967 0.00E+00 1134.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042159 6596 604.4 UdeM00000042159 XP_045201007.1 49.4 579
282 4 30 604 597 1168 1.60E-169 604.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042160 225164 324.3 UdeM00000042160 XP_009048808.1 43.5
375 210 2 30 402 10 384 2.20E-85 324.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000042161 225164 324.3 UdeM00000042161 XP_009048808.1 43.5
375 210 2 110 482 10 384 2.60E-85 324.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000042162 225164 324.7 UdeM00000042162 XP_009048808.1 43.5
375 210 2 12 384 10 384 1.60E-85 324.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000042163 6579 274.2 UdeM00000042163 XP_033759490.1 57.2 222
89 2 3 219 407 627 1.40E-70 274.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042164 6596 275.8 UdeM00000042164 XP_045201007.1 48.3 288
144 2 3 288 765 1049 6.40E-71 275.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042165 6579 124 UdeM00000042165 XP_033759880.1 60.2 88
35 0 2 89 502 589 1.30E-25 124 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042166 6596 540 UdeM00000042166 XP_045201007.1 46.2 572
262 5 30 555 597 1168 3.50E-150 540 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042167 225164 765.4 UdeM00000042167 XP_009056557.1 52.5
668 290 6 20 664 19 682 6.20E-218 765.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000042168 6596 288.1 UdeM00000042168 XP_045201298.1 54.8 241
 109 0 1 241 607 847 1.20E-74 288.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042169 6579 272.3 UdeM00000042169 XP_033759490.1 56.8 222
 90 2 3 219 407 627 5.30E-70 272.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042171 225164 326.2 UdeM00000042171 XP_009048808.1 43.7
 375 209 2 12 384 10 384 5.40E-86 326.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000042170 225164 325.9 UdeM00000042170 XP_009048808.1 43.7
 375 209 2 110 482 10 384 8.90E-86 325.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000042172 225164 325.9 UdeM00000042172 XP_009048808.1 43.7
 375 209 2 30 402 10 384 7.40E-86 325.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000042174 6596 468.8 UdeM00000042174 XP_045201007.1 51.8 446
 211 2 3 444 754 1199 7.90E-129 468.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042175 6596 745.7 UdeM00000042175 XP_045201007.1 48 791
 359 7 4 785 5 752 6.00E-212 745.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042176 6579 418.7 UdeM00000042176 XP_033760266.1 71.8 298
 84 0 1 298 1 298 6.20E-114 418.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042177 6573 524.2 UdeM00000042177 XP_021370645.1 61.6 424
 159 2 1 421 1 423 6.60E-145 524.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042178 6573 548.1 UdeM00000042178 XP_021365742.1 73.7 353
 93 0 10 362 12 364 1.00E-152 548.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000042180 6596 575.5 UdeM00000042180 XP_045201007.1 47.5 602
305 4 70 663 597 1195 8.90E-161 575.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042181 1735272 133.7 UdeM00000042181 XP_041360080.1 40.8
152 85 1 1 147 14 165 2.00E-28 133.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000042182 225164 162.5 UdeM00000042182 XP_009051079.1 38.6
251 119 4 36 254 126 373 7.00E-37 162.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
UdeM00000042183 400727 79.3 UdeM00000042183 XP_025095693.1 35.1
131 64 4 67 197 2 111 6.00E-12 79.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000042184 6596 250.8 UdeM00000042184 XP_045202624.1 39.7 307
168 3 110 402 29 332 3.10E-63 250.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042185 6596 201.4 UdeM00000042185 XP_045202624.1 42.9 212
121 0 1 212 121 332 1.20E-48 201.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042186 6596 71.6 UdeM00000042186 XP_045164819.1 57.9 57
23 1 153 209 117 172 1.30E-09 71.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042187 225164 389 UdeM00000042187 XP_009044447.1 96.1
206 8 0 2 207 3 208 3.70E-105 389 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea
UdeM00000042188 6596 376.7 UdeM00000042188 XP_045201467.1 92.2 205
16 0 2 206 3 207 1.90E-101 376.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000042189 59861 109.4 UdeM00000042189 XP_041717262.1 29.7 290
 175 7 60 327 76 358 1.00E-20 109.4 59861 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Coregoninae;Coregonus;Coregonus clupeaformis
 UdeM00000042190 59861 109.4 UdeM00000042190 XP_041717262.1 29.7 290
 175 7 56 323 76 358 1.00E-20 109.4 59861 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Coregoninae;Coregonus;Coregonus clupeaformis
 UdeM00000042191 59861 135.2 UdeM00000042191 XP_041717262.1 30.4 349
 213 8 56 382 76 416 1.80E-28 135.2 59861 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Coregoninae;Coregonus;Coregonus clupeaformis
 UdeM00000042192 29159 213.8 UdeM00000042192 XP_011450683.2 57.6 172
 72 1 1 172 130 300 1.80E-52 213.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042193 6596 341.3 UdeM00000042193 XP_045201370.1 56.1 278
 120 2 3 279 28 304 1.20E-90 341.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000042194 29159 294.3 UdeM00000042194 XP_034327418.1 69.3 212
 62 2 1 210 1 211 1.30E-76 294.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042195 10224 187.6 UdeM00000042195 XP_006820829.1 57.4 148
 62 1 8 155 4 150 1.30E-44 187.6 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii
 UdeM00000042196 6596 104 UdeM00000042196 XP_045213354.1 55.7 79
 35 0 3 81 77 155 1.00E-19 104 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000042197 6573 703.7 UdeM00000042197 XP_021358616.1 72.1 519
 124 5 11 523 1 504 1.70E-199 703.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000042198 6573 721.5 UdeM00000042198 XP_021358616.1 73 519
124 4 11 528 1 504 8.00E-205 721.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000042199 6579 209.5 UdeM00000042199 XP_033761201.1 52.1 432
171 11 117 541 141 543 1.10E-50 209.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000042201 32264 114 UdeM00000042201 XP_015793242.1 36.4 162
96 4 1 158 231 389 3.10E-22 114 32264 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Acari; Acariformes; Trombidiformes; Prostigmata; Eleutherengona; Raphignathae; Tetranychoidae; Tetranychidae; Tetranychus; Tetranychus urticae
UdeM00000042202 6565 94 UdeM00000042202 XP_022339127.1 58 81
33 1 58 138 686 765 1.80E-16 94 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000042203 6596 708 UdeM00000042203 XP_045201573.1 68.7 521
132 6 1 510 213 713 9.10E-201 708 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000042204 6596 99.8 UdeM00000042204 XP_045201568.1 42.5 228
97 7 1 219 1 203 4.80E-18 99.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000042206 6596 85.5 UdeM00000042206 XP_045176798.1 32.4 216
116 11 172 382 85 275 1.60E-13 85.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000042207 6565 252.3 UdeM00000042207 XP_022298930.1 35.3 414
165 7 26 340 10 419 9.70E-64 252.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000033316 6565 439.1 UdeM00000033316 XP_022339409.1 48.8 477
225 7 94 566 6 467 8.50E-120 439.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000033317 6565 437.6 UdeM00000033317 XP_022339409.1 48.9 472
224 6 12 480 6 463 2.10E-119 437.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
 eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000033318 6596 308.5 UdeM00000033318 XP_045157611.1 51.7 294
 138 2 9 298 78 371 9.20E-81 308.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000033319 6596 256.5 UdeM00000033319 XP_045157611.1 51 257
 122 2 182 434 78 334 6.20E-65 256.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000033320 6596 113.2 UdeM00000033320 XP_045170381.1 52.3 109
 46 2 5 107 3 111 2.90E-22 113.2 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000033321 6596 104.8 UdeM00000033321 XP_045204471.1 47.7 111
 53 1 2 107 10 120 1.00E-19 104.8 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000044203 4565 81.3 UdeM00000044203 XP_044455775.1 27 452
 272 21 6 433 46 463 3.50E-12 81.3 4565 cellular
 organisms; Eukaryota; Viridiplantae; Streptophyta; Streptophytina; Embryophyta
 ; Tracheophyta; Euphyllophyta; Spermatophyta; Magnoliopsida; Mesangiospermae; L
 iliopsida; Petrosaviidae; commelinids; Poales; Poaceae; BOP
 clade; Pooideae; Triticoideae; Triticeae; Triticinae; Triticum; Triticum aestivum
 UdeM00000044204 83332 268.5 UdeM00000044204 NP_214736.1 58.6 249 102
 1 5 253 14 261 8.90E-69 268.5 83332 cellular
 organisms; Bacteria; Terrabacteria
 group; Actinobacteria; Actinomycetia; Corynebacteriales; Mycobacteriaceae; Myc
 obacterium; Mycobacterium tuberculosis complex; Mycobacterium
 tuberculosis; Mycobacterium tuberculosis H37Rv
 UdeM00000028810 8364 166 UdeM00000028810 XP_004911053.2 30.8 428
 259 10 2 415 635 1039 1.10E-37 166 8364 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc
 opterygii; Dipnotetrapodomorpha; Tetrapoda; Amphibia; Batrachia; Anura; Pipoide
 a; Pipidae; Xenopodinae; Xenopus; Silurana; Xenopus tropicalis
 UdeM00000028811 6579 134 UdeM00000028811 XP_033735424.1 44.8 125
 69 0 172 296 105 229 3.40E-28 134 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000028812 6596 280.4 UdeM00000028812 XP_045214564.1 38.8 397
 157 11 18 402 93 415 4.30E-72 280.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028813 6596 342 UdeM00000028813 XP_045214564.1 43.5 379
 152 7 19 342 586 957 8.60E-91 342 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028814 6596 716.8 UdeM00000028814 XP_045214564.1 39.5 994
 417 19 26 880 960 1908 3.30E-203 716.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028815 6579 383.6 UdeM00000028815 XP_033735424.1 40.4 505
 235 9 2 472 1725 2197 3.70E-103 383.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028818 6596 89.7 UdeM00000028818 XP_045168860.1 26 285
 189 8 1 276 12 283 6.50E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028821 6565 94 UdeM00000028821 XP_022331152.1 30.6 242
 149 9 6 237 12 244 3.50E-16 94 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028822 6596 1447.6 UdeM00000028822 XP_045213811.1 68.9
 1117 318 10 6 1110 7 1106 0.00E+00 1447.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028823 1735272 551.2 UdeM00000028823 XP_041352916.1 52.2
 504 228 3 6 509 3 493 1.40E-153 551.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028824 6596 578.9 UdeM00000028824 XP_045166800.1 50.5 701
 256 19 3 638 7 681 7.70E-162 578.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028825 6596 113.2 UdeM00000028825 XP_045187131.1 72.6 73
 20 0 3 75 4 76 6.60E-22 113.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028826 6596 772.3 UdeM00000028826 XP_045187130.1 64.2 576
 200 4 182 753 187 760 5.60E-220 772.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028827 6596 776.2 UdeM00000028827 XP_045187130.1 64.2 576
 202 3 182 755 187 760 3.90E-221 776.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028828 6596 362.8 UdeM00000028828 XP_045187128.1 46.8 387
 204 2 125 510 117 502 7.00E-97 362.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028829 6573 94.7 UdeM00000028829 XP_021365625.1 52.9 87
 41 0 35 121 40 126 1.70E-16 94.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028830 6596 831.6 UdeM00000028830 XP_045162916.1 73.6 553
 144 1 1 553 1 551 5.70E-238 831.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028832 6596 217.6 UdeM00000028832 XP_045174020.1 49.4 253
 108 5 2 253 36 269 1.80E-53 217.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028834 6596 134.8 UdeM00000028834 XP_045187678.1 66 103
 31 2 6 104 1 103 6.40E-29 134.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028835 6579 260.4 UdeM00000028835 XP_033734333.1 61 277
 96 3 3 279 102 366 2.70E-66 260.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028836 7574 290 UdeM00000028836 XP_013385995.1 73.2 198
 45 2 1 195 1 193 3.30E-75 290 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000028838 6596 111.3 UdeM00000028838 XP_045181277.1 37.3 161
 93 5 162 318 249 405 2.40E-21 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028840 6596 113.6 UdeM00000028840 XP_045176664.1 45.4 130
 66 3 25 150 340 468 2.60E-22 113.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028841 6596 100.9 UdeM00000028841 XP_045176094.1 52.9 87
 40 1 27 113 85 170 1.20E-18 100.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028842 6596 61.6 UdeM00000028842 XP_045176664.1 31.5 127
 82 3 176 298 239 364 1.90E-06 61.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028843 6596 64.7 UdeM00000028843 XP_045177373.1 22.1 222
 166 5 1 220 22 238 1.70E-07 64.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028844 6596 153.7 UdeM00000028844 XP_045176094.1 40.5 200
 112 5 38 234 57 252 3.80E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028845 6596 110.5 UdeM00000028845 XP_045181277.1 39.3 140
 80 3 14 149 181 319 2.20E-21 110.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028846 7054 185.7 UdeM00000028846 XP_031350379.1 39.3 290
 155 7 1 270 1 289 8.20E-44 185.7 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000028847 742174 89 UdeM00000028847 XP_025199557.1 47.6
 84 42 1 2 83 306 389 3.30E-15 89 742174
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A

phidomorpha;Aphidoidea;Aphididae;Aphidinae;Aphidini;Melanaphis;Melanaphis sacchari

UdeM00000028848 6596 96.3 UdeM00000028848 XP_045176664.1 24 359
220 12 19 331 13 364 7.90E-17 96.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028849 6596 89 UdeM00000028849 XP_045177373.1 24.3 334
199 11 1 287 22 348 1.10E-14 89 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028850 6596 82.4 UdeM00000028850 XP_045176664.1 23.9 289
169 8 19 270 90 364 9.60E-13 82.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028851 6596 84 UdeM00000028851 XP_045181277.1 45 80
43 1 34 113 235 313 1.40E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028852 6596 146.7 UdeM00000028852 XP_045214418.1 37.3 220
123 5 13 227 64 273 3.50E-32 146.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027048 6579 126.3 UdeM00000027048 XP_033753309.1 22.1 525
234 5 20 373 229 749 8.00E-26 126.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027050 6596 1672.9 UdeM00000027050 XP_045209328.1 34.7
2905 1654 46 1 2786 40 2820 0.00E+00 1672.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027051 6573 450.7 UdeM00000027051 XP_021367768.1 31.9 833
549 5 6 829 6 829 4.40E-123 450.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027052 6573 200.7 UdeM00000027052 XP_021341123.1 67.9 137
44 0 46 182 203 339 1.70E-48 200.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027053 6596 194.9 UdeM00000027053 XP_045195642.1 54.4 158
 70 1 2 159 430 585 7.80E-47 194.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027054 6596 861.3 UdeM00000027054 XP_045205494.1 52.8 862
 401 6 6 864 30 888 1.10E-246 861.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027055 6596 1676.4 UdeM00000027055 XP_045209328.1 34.7
 2899 1663 46 1 2786 40 2820 0.00E+00 1676.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027056 6579 448 UdeM00000027056 XP_033753309.1 32.1 833
 548 7 6 829 6 829 2.80E-122 448 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027057 6596 1132.1 UdeM00000027057 XP_045205946.1 54.4
 1209 447 19 62 1195 254 1433 0.00E+00 1132.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027058 6573 76.6 UdeM00000027058 XP_021361537.1 48.5 103
 41 5 36 138 56 146 2.70E-11 76.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027059 6596 129 UdeM00000027059 XP_045205946.1 42.6 155
 54 3 3 155 1 122 5.40E-27 129 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027060 6596 854.4 UdeM00000027060 XP_045195664.1 80.5 575
 112 0 178 752 163 737 1.10E-244 854.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027061 6596 156.8 UdeM00000027061 XP_045173462.1 30.1 355
 200 11 119 432 25 372 6.70E-35 156.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027062 6596 157.1 UdeM00000027062 XP_045211165.1 32.5 351
 208 10 75 407 83 422 4.80E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027063 225164 230.3 UdeM00000027063 XP_009064246.1 43.2
 266 144 4 156 419 40 300 4.40E-57 230.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000027065 6596 67 UdeM00000027065 XP_045183581.1 27.6 105
 75 1 10 113 80 184 2.00E-08 67 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027067 6596 150.6 UdeM00000027067 XP_045211165.1 29.2 435
 272 14 11 426 5 422 4.70E-33 150.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027069 6596 223.8 UdeM00000027069 XP_045194230.1 69.4 157
 47 1 44 199 10 166 2.00E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027070 6573 141 UdeM00000027070 XP_021340731.1 77.9 86
 18 1 19 104 191 275 8.80E-31 141 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027071 1735272 238.4 UdeM00000027071 XP_041368816.1 49.4
 233 116 2 67 298 42 273 1.20E-59 238.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027072 1735272 157.9 UdeM00000027072 XP_041370767.1 69.2
 117 36 0 5 121 3 119 8.70E-36 157.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027073 6596 459.1 UdeM00000027073 XP_045172573.1 36.3 702
 318 5 58 756 5 580 1.10E-125 459.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027074 6596 138.3 UdeM00000027074 XP_045176606.1 56.7 120
 51 1 8 127 8 126 7.00E-30 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027075 6596 320.1 UdeM00000027075 XP_045203759.1 34.2 558
 241 6 8 564 159 591 5.70E-84 320.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027076 6596 151 UdeM00000027076 XP_045203144.1 48.8 170
 83 2 3 171 422 588 1.40E-33 151 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027077 6596 127.5 UdeM00000027077 XP_045172573.1 50.4 123
 57 1 1 119 220 342 1.30E-26 127.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027078 6596 215.7 UdeM00000027078 XP_045173653.1 52.2 186
 89 0 6 191 6 191 5.20E-53 215.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027079 6596 465.7 UdeM00000027079 XP_045161350.1 39.3 699
 294 6 8 704 6 576 1.10E-127 465.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027082 6596 353.2 UdeM00000027082 XP_045161350.1 37.5 557
 221 5 5 560 6 436 6.00E-94 353.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027083 6573 63.9 UdeM00000027083 XP_021355916.1 40.7 86
 50 1 4 89 499 583 1.20E-07 63.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027084 6596 349.4 UdeM00000027084 XP_045204176.1 47 387
 177 5 1 382 1 364 6.80E-93 349.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027085 6596 182.6 UdeM00000027085 XP_045203144.1 48.7 193
 95 2 1 192 399 588 4.90E-43 182.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027086 6573 259.2 UdeM00000027086 XP_021347189.1 46.2 266
 140 2 135 400 143 405 8.50E-66 259.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027087 7668 94.7 UdeM00000027087 XP_030832292.1 35.1 154
 85 5 2 148 257 402 1.00E-16 94.7 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000027088 6596 221.9 UdeM00000027088 XP_045216087.1 41 256
 147 2 153 406 99 352 1.50E-54 221.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027089 6596 201.4 UdeM00000027089 XP_045184460.1 42.6 209
 119 1 1 209 206 413 1.10E-48 201.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027090 37653 224.9 UdeM00000027090 XP_014782122.1 40.1 267
 157 2 142 407 128 392 1.80E-55 224.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000027091 6573 232.3 UdeM00000027091 XP_021347189.1 41.3 281
 161 3 120 400 129 405 1.10E-57 232.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027092 225164 226.1 UdeM00000027092 XP_009064246.1 41.7
 266 148 4 143 406 40 300 8.10E-56 226.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000027093 6596 229.6 UdeM00000027093 XP_045184460.1 42.9 254
 144 1 98 351 161 413 6.30E-57 229.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027094 6596 441.8 UdeM00000027094 XP_045172620.1 44.5 541
 257 7 6 508 2 537 1.20E-120 441.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027095 6596 412.5 UdeM00000027095 XP_045172620.1 46.1 477
241 7 2 464 105 579 7.00E-112 412.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027096 6596 488.8 UdeM00000027096 XP_045172620.1 44.8 585
308 9 4 579 1 579 9.50E-135 488.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027097 6596 516.9 UdeM00000027097 XP_045172620.1 47.7 583
288 9 6 576 2 579 3.30E-143 516.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027098 6596 355.1 UdeM00000027098 XP_045161350.1 37.7 557
220 5 5 560 6 436 1.60E-94 355.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027099 6573 63.9 UdeM00000027099 XP_021355916.1 40.7 86
50 1 4 89 499 583 1.20E-07 63.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027100 6596 350.9 UdeM00000027100 XP_045172573.1 49.4 342
168 3 1 337 1 342 2.30E-93 350.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027101 6596 182.6 UdeM00000027101 XP_045203144.1 48.7 193
95 2 1 192 399 588 4.90E-43 182.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027102 6573 264.2 UdeM00000027102 XP_021347189.1 46.3 268
141 2 133 400 141 405 2.60E-67 264.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027103 7668 205.3 UdeM00000027103 XP_030828392.1 33.4 392
228 11 1 389 125 486 1.40E-49 205.3 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;

Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000027104 6579 224.9 UdeM00000027104 XP_033726097.1 42.2 263
150 2 145 406 99 360 1.80E-55 224.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027105 6573 225.7 UdeM00000027105 XP_021347144.1 39.7 300
176 3 111 406 62 360 1.10E-55 225.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027106 6573 232.6 UdeM00000027106 XP_021347189.1 40.8 282
161 4 120 400 129 405 8.50E-58 232.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027107 225164 218 UdeM00000027107 XP_009064246.1 42.1
266 146 6 78 340 40 300 1.80E-53 218 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000027108 6596 126.7 UdeM00000027108 XP_045216087.1 57 86
35 1 75 160 269 352 2.70E-26 126.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027109 6573 231.1 UdeM00000027109 XP_021347189.1 41.3 288
161 4 117 400 122 405 2.50E-57 231.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027110 225164 226.1 UdeM00000027110 XP_009064246.1 41.7
266 148 4 143 406 40 300 8.10E-56 226.1 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000027111 6596 218.4 UdeM00000027111 XP_045216087.1 40.8 250
144 2 1 248 105 352 1.00E-53 218.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027112 37653 217.6 UdeM00000027112 XP_014782122.1 38.6 267
161 2 142 407 128 392 2.90E-53 217.6 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000027114 225164 195.7 UdeM00000027114 XP_009064246.1 44.9
205 106 4 2 204 101 300 5.90E-47 195.7 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000027115 6596 88.2 UdeM00000027115 XP_045161352.1 57.7 78
33 0 17 94 24 101 6.30E-15 88.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000027116 6573 88.2 UdeM00000027116 XP_021364052.1 47.6 82
43 0 3 84 261 342 5.50E-15 88.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000027117 6596 179.5 UdeM00000027117 XP_045203144.1 41.6 219
126 2 1 218 362 579 4.80E-42 179.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000027118 225164 219.9 UdeM00000027118 XP_009064246.1 39.5
266 154 5 116 379 40 300 5.40E-54 219.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000027119 6596 217.6 UdeM00000027119 XP_045216087.1 40.7 263
151 3 145 404 90 350 2.90E-53 217.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000027120 6596 117.5 UdeM00000027120 XP_045161352.1 49.6 123
61 1 22 143 24 146 1.40E-23 117.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000027121 6596 257.3 UdeM00000027121 XP_045203144.1 39.7 330
197 2 4 332 251 579 2.70E-65 257.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000027122 225164 223.4 UdeM00000027122 XP_009064246.1 40.2
266 152 4 143 406 40 300 5.20E-55 223.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000027123 37653 209.1 UdeM00000027123 XP_014782122.1 38.3 266
158 3 49 313 132 392 7.90E-51 209.1 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000027124 6596 226.5 UdeM00000027124 XP_045216087.1 42.2 256
144 2 153 406 99 352 6.20E-56 226.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027125 37653 231.9 UdeM00000027125 XP_014782122.1 40.5 279
163 2 75 352 116 392 1.30E-57 231.9 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000027126 6596 404.1 UdeM00000027126 XP_045172620.1 45.5 488
254 7 1 476 92 579 2.60E-109 404.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027127 6596 507.7 UdeM00000027127 XP_045172620.1 46.5 583
294 9 39 608 2 579 2.10E-140 507.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027128 6596 500.7 UdeM00000027128 XP_045172620.1 45.3 585
305 9 14 589 1 579 2.50E-138 500.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027129 6596 523.5 UdeM00000027129 XP_045172620.1 47.9 583
287 9 148 718 2 579 4.30E-145 523.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027130 6500 92.8 UdeM00000027130 XP_012944080.1 40.3 139
80 3 258 395 306 442 1.10E-15 92.8 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000027131 6596 486.5 UdeM00000027131 XP_045172620.1 45 584
304 9 101 672 1 579 5.50E-134 486.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027132 6596 500 UdeM00000027132 XP_045172730.1 45.2 586
301 10 9 578 2 583 4.10E-138 500 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027133 6596 464.2 UdeM00000027133 XP_045172730.1 44.5 559
 290 10 3 545 29 583 2.40E-127 464.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
 a mercenaria

UdeM00000027136 225164 98.2 UdeM00000027136 XP_009058199.1 48.6
 107 48 2 22 128 1 100 8.00E-18 98.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000027137 6579 89.7 UdeM00000027137 XP_033752673.1 40.2 122
 67 1 42 163 273 388 3.70E-15 89.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027138 6579 89.7 UdeM00000027138 XP_033752673.1 40.2 122
 67 1 21 142 273 388 3.30E-15 89.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027139 6579 118.6 UdeM00000027139 XP_033752673.1 70 70
 21 0 1 70 582 651 3.20E-24 118.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027140 225164 117.5 UdeM00000027140 XP_009058200.1 48.1
 108 56 0 4 111 108 215 1.10E-23 117.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000027141 7604 137.5 UdeM00000027141 XP_033641066.1 66.3 92
 31 0 1 92 155 246 8.70E-30 137.5 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul-
 atida;Asteroiidae;Asteroidea;Asteroidea rubens

UdeM00000027142 7741 123.6 UdeM00000027142 XP_019614484.1 26.2 381
 229 13 5 368 3 348 5.70E-25 123.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br-
 anchiostoma;Branchiostoma belcheri

UdeM00000027143 6565 67.4 UdeM00000027143 XP_022298930.1 36.6 112
 55 2 2 113 533 628 1.40E-08 67.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr-
 eida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027144 72036 313.5 UdeM00000027144 XP_040576246.1 40 462
 218 9 9 419 8 461 4.00E-82 313.5 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul-
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C-
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis

UdeM00000027145 6596 124 UdeM00000027145 XP_045193293.1 26.6 346
 184 7 3 309 16 330 8.60E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027146 6596 485.7 UdeM00000027146 XP_045211417.1 54.5 415
 188 1 11 424 19 433 5.90E-134 485.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027149 6565 577 UdeM00000027149 XP_022326988.1 30.3 1165
 705 24 420 1548 78 1171 1.20E-160 577 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027148 6565 577 UdeM00000027148 XP_022326988.1 30.3 1165
 705 24 420 1548 78 1171 1.20E-160 577 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027150 29159 432.6 UdeM00000027150 XP_011412220.2 30.4 950
 562 23 1 871 161 1090 1.40E-117 432.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027151 6565 177.6 UdeM00000027151 XP_022325431.1 29.7 370
 186 12 25 335 997 1351 3.50E-41 177.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027153 6573 108.2 UdeM00000027153 XP_021367233.1 37.3 153
 84 4 2 147 860 1007 1.70E-20 108.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027154 6565 377.9 UdeM00000027154 XP_022322604.1 24.8 1189
 703 27 1 1037 547 1696 4.20E-101 377.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027155 6500 241.1 UdeM00000027155 XP_005092247.1 55.7 210
 84 7 6 212 9 212 2.00E-60 241.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000027156 7574 238.4 UdeM00000027156 XP_013418191.1 53.3 214
 92 4 5 214 21 230 1.20E-59 238.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000027157 50390 285 UdeM00000027157 XP_028142380.1 51.9 235
 111 1 29 263 1 233 9.70E-74 285 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000027158 6596 248.1 UdeM00000027158 XP_045158949.1 30.3 613
321 16 13 533 7 605 2.60E-62 248.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027159 1735272 59.3 UdeM00000027159 XP_041350990.1 43.5
62 35 0 178 239 461 522 7.70E-06 59.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027160 6579 255.8 UdeM00000027160 XP_033752164.1 40.8 368
190 7 2 352 102 458 8.30E-65 255.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027161 6596 235.3 UdeM00000027161 XP_045158949.1 29.7 616
374 19 11 582 5 605 1.90E-58 235.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027162 6596 393.7 UdeM00000027162 XP_045205256.1 47.3 429
215 5 1 424 1 423 3.10E-106 393.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027165 6596 1281.2 UdeM00000027165 XP_045201520.1 70.1
910 227 8 7 876 62 966 0.00E+00 1281.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027166 2607531 65.1 UdeM00000027166 XP_036368691.1 53.8
65 27 2 1 62 1 65 7.50E-08 65.1 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000027168 29159 1092.8 UdeM00000027168 NP_001292291.1 84.4
662 95 3 5 662 4 661 0.00E+00 1092.8
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027167 29159 1089.7 UdeM00000027167 NP_001292291.1 84.2
 660 100 2 7 664 4 661 0.00E+00 1089.7
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027169 29159 441.8 UdeM00000027169 XP_034302714.1 85.1 268
 38 1 1 266 1 268 6.10E-121 441.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027170 6596 215.7 UdeM00000027170 XP_045177206.1 81.3 134
 25 0 9 142 6 139 3.80E-53 215.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027171 6565 765.4 UdeM00000027171 XP_022324240.1 72.7 479
 131 0 1 479 1 479 4.40E-218 765.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027172 1735272 413.7 UdeM00000027172 XP_041370676.1 44.5
 526 279 6 3 518 29 551 3.50E-112 413.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027173 6596 643.7 UdeM00000027173 XP_045200864.1 29.3 1500
 986 32 5 1479 81 1530 5.90E-181 643.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027174 6596 348.2 UdeM00000027174 XP_045180516.1 42.2 365
 191 4 12 373 78 425 1.30E-92 348.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027176 6596 144.8 UdeM00000027176 XP_045200848.1 25.7 440
 234 10 36 386 291 726 2.50E-31 144.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027177 6565 387.5 UdeM00000027177 XP_022330019.1 42.3 423
 228 5 28 442 4 418 2.30E-104 387.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027178 6565 386.7 UdeM00000027178 XP_022330019.1 42.3 423
 228 5 8 422 4 418 3.70E-104 386.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000027179 6565 516.2 UdeM00000027179 XP_022333471.1 35.2 835
492 20 5 814 13 823 7.90E-143 516.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000027180 6596 460.3 UdeM00000027180 XP_045180513.1 39.7 599
339 11 30 613 456 1047 4.30E-126 460.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027183 6596 159.5 UdeM00000027183 XP_045161051.1 42.8 173
99 0 190 362 226 398 8.50E-36 159.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027184 6596 223.4 UdeM00000027184 XP_045161905.1 55.1 185
82 1 1 184 1 185 2.60E-55 223.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027185 1735272 113.2 UdeM00000027185 XP_041379412.1 37.1
194 116 4 15 207 11 199 8.00E-22 113.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027186 6596 112.8 UdeM00000027186 XP_045190753.1 34.9 189
110 4 12 196 417 596 4.80E-22 112.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027187 6596 643.3 UdeM00000027187 XP_045200864.1 29.3 1469
969 31 78 1515 81 1511 7.90E-181 643.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000027188 6573 268.1 UdeM00000027188 XP_021348029.1 33.6 547
330 16 8 541 278 804 2.50E-68 268.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000027189 6596 150.2 UdeM00000027189 XP_045180516.1 51.9 135
60 2 2 133 171 303 2.30E-33 150.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027190 6596 355.1 UdeM00000027190 XP_045164611.1 44.6 388
 212 3 164 550 77 462 1.60E-94 355.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027191 6596 834.3 UdeM00000027191 XP_045190753.1 68.4 605
 176 4 53 653 6 599 1.00E-238 834.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027192 6596 839.3 UdeM00000027192 XP_045190753.1 68.6 605
 175 4 53 653 6 599 3.20E-240 839.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027193 6565 125.2 UdeM00000027193 XP_022333471.1 46.7 122
 65 0 37 158 702 823 8.00E-26 125.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027194 6565 195.7 UdeM00000027194 XP_022333471.1 26.2 469
 202 6 27 351 157 625 1.10E-46 195.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027195 6596 193 UdeM00000027195 XP_045209807.1 50.6 174
 86 0 6 179 6 179 3.80E-46 193 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027196 6596 224.2 UdeM00000027196 XP_045209807.1 57.1 182
 73 1 1 182 1 177 1.60E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027197 6565 71.2 UdeM00000027197 XP_022341899.1 38.8 98
 58 2 8 103 63 160 9.80E-10 71.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027198 6596 208.4 UdeM00000027198 XP_045209807.1 56.4 165
 72 0 1 165 1 165 7.90E-51 208.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027199 6573 208.4 UdeM00000027199 XP_021351165.1 59.7 159
 64 0 6 164 8 166 7.80E-51 208.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000027200 6596 764.6 UdeM00000027200 XP_045177588.1 60.5 640
242 3 2 632 31 668 9.80E-218 764.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027201 6596 776.9 UdeM00000027201 XP_045177588.1 58.8 679
231 3 2 672 31 668 2.00E-221 776.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027202 6596 605.9 UdeM00000027202 XP_045188727.1 67.3 446
141 3 67 510 69 511 4.70E-170 605.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027203 6596 589 UdeM00000027203 XP_045190619.1 85 327
49 0 1 327 1 327 3.80E-165 589 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027204 6596 623.6 UdeM00000027204 XP_045200864.1 30.7 1279
828 29 92 1340 138 1388 6.70E-175 623.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027205 6596 809.3 UdeM00000027205 XP_045200908.1 34.9 1357
812 33 134 1445 31 1360 8.20E-231 809.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027206 6565 379.4 UdeM00000027206 XP_022319993.1 43.9 440
229 7 236 673 56 479 9.50E-102 379.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000027207 6596 181 UdeM00000027207 XP_045185004.1 36.8 223
89 1 19 241 95 265 2.10E-42 181 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027208 29159 158.7 UdeM00000027208 XP_011441056.2 38.9 211
107 3 19 221 804 1000 8.60E-36 158.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000027209 6596 270.4 UdeM00000027209 XP_045179772.1 34.4 410
 205 4 1 410 31 376 4.20E-69 270.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027210 7739 80.9 UdeM00000027210 XP_035657358.1 50 80
 33 2 3 76 551 629 7.90E-13 80.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000027211 6596 137.1 UdeM00000027211 XP_045185004.1 38.7 173
 95 4 25 189 95 264 2.90E-29 137.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027212 7739 136.3 UdeM00000027212 XP_035657358.1 50.7 136
 58 3 3 132 551 683 2.80E-29 136.3 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000027213 6596 233.4 UdeM00000027213 XP_045179772.1 35.6 371
 179 3 7 377 66 376 5.20E-58 233.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027214 6565 115.9 UdeM00000027214 XP_022292890.1 42.6 136
 68 2 3 132 91 222 3.90E-23 115.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027215 6565 289.7 UdeM00000027215 XP_022330900.1 38.2 516
 259 13 1 483 1 489 7.10E-75 289.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027216 6573 264.2 UdeM00000027216 XP_021351637.1 65 183
 64 0 230 412 1 183 2.70E-67 264.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027217 6579 129.8 UdeM00000027217 XP_033756770.1 75 88
 21 1 10 97 222 308 1.90E-27 129.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027218 7739 132.1 UdeM00000027218 XP_035657358.1 48.5 136
 61 3 3 132 551 683 5.20E-28 132.1 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000027219 7739 80.9 UdeM00000027219 XP_035657358.1 50 78
 34 1 3 75 551 628 7.90E-13 80.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000027220 1529436 58.9 UdeM00000027220 XP_033114493.1 51.6
 62 27 1 7 68 190 248 3.10E-06 58.9 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000027221 103695 138.7 UdeM00000027221 XP_020645409.1 53.5
 114 52 1 8 121 156 268 5.10E-30 138.7 103695
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Iguania;Acrod
 onta;Agamidae;Amphibolurinae;Pogona;Pogona vitticeps
 UdeM00000027222 7741 190.7 UdeM00000027222 XP_019643716.1 52.3 174
 80 2 101 273 215 386 3.50E-45 190.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000027223 45351 194.1 UdeM00000027223 XP_001627828.2 49.4 178
 87 2 68 245 656 830 2.90E-46 194.1 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000027224 6596 220.7 UdeM00000027224 XP_045191457.1 41.3 254
 111 3 11 227 207 459 2.70E-54 220.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027226 6500 303.9 UdeM00000027226 XP_012944924.2 59.1 235
 92 2 2 235 80 311 1.80E-79 303.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000027225 6596 488 UdeM00000027225 XP_045195309.1 54.7 435
 182 4 1 433 1 422 1.20E-134 488 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027227 6579 365.9 UdeM00000027227 XP_033741736.1 59.1 286
 117 0 53 338 347 632 5.60E-98 365.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027228 6596 1643.6 UdeM00000027228 XP_045195218.1 69.1
 1224 314 11 16 1181 41 1258 0.00E+00 1643.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027235 6596 143.7 UdeM00000027235 XP_045195218.1 53 151
65 3 13 158 1109 1258 4.90E-31 143.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027236 29159 73.2 UdeM00000027236 XP_034305914.1 31 158
100 5 57 211 59 210 4.60E-10 73.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027237 37003 80.9 UdeM00000027237 XP_017294281.1 28.8 146
97 4 63 207 24 163 2.20E-12 80.9 37003 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Aplocheiloidei;Rivulidae;Kryptolebias;Kryptolebias marmoratus

UdeM00000027238 6596 92.4 UdeM00000027238 XP_045196130.1 28.8 299
168 11 7 282 3 279 1.70E-15 92.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027239 1735272 367.1 UdeM00000027239 XP_041371345.1 62.8
274 102 0 1 274 12 285 2.00E-98 367.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027240 6596 202.2 UdeM00000027240 XP_045172545.1 25.9 499
343 9 2 485 6 492 1.70E-48 202.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027241 6596 343.6 UdeM00000027241 XP_045195578.1 33.8 755
397 15 3 743 9 674 6.40E-91 343.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027243 6596 326.2 UdeM00000027243 XP_045195557.1 45.3 316
166 3 7 322 4 312 4.80E-86 326.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027242 6596 429.1 UdeM00000027242 XP_045195557.1 43.1 476
 254 6 7 477 4 467 7.50E-117 429.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
 a mercenaria
 UdeM00000027244 6565 175.6 UdeM00000027244 XP_022320110.1 30.3 567
 385 7 15 575 17 579 1.80E-40 175.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr-
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027245 7725 59.7 UdeM00000027245 XP_039269390.1 30.6 72
 50 0 29 100 121 192 2.50E-06 59.7 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
 clava
 UdeM00000027246 7725 59.7 UdeM00000027246 XP_039269390.1 30.6 72
 50 0 29 100 121 192 2.50E-06 59.7 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
 clava
 UdeM00000027248 7668 77 UdeM00000027248 XP_030848124.1 44 91
 49 2 1 90 1027 1116 3.50E-11 77 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce-
 ntrotus purpuratus
 UdeM00000027251 29159 195.7 UdeM00000027251 XP_019924327.2 42.5 285
 144 6 56 331 329 602 9.60E-47 195.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr-
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027252 6579 113.2 UdeM00000027252 XP_033732808.1 54.2 96
 44 0 72 167 330 425 4.50E-22 113.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027252 6579 59.7 UdeM00000027252 XP_033732808.1 46.2 65
 35 0 8 72 27 91 5.80E-06 59.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000027253 6573 77.4 UdeM00000027253 XP_021367843.1 46.9 96
 40 2 53 142 441 531 1.70E-11 77.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027255 37653 448.7 UdeM00000027255 XP_014787292.1 63.9 352
 124 2 73 422 257 607 8.00E-123 448.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct-
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000027255 37653 61.6 UdeM00000027255 XP_014787292.1 45.8 59
 32 0 14 72 37 95 2.70E-06 61.6 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000037238 6596 63.5 UdeM00000037238 XP_045189401.1 31.6 114
72 4 72 181 87 198 3.20E-07 63.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037239 400727 236.5 UdeM00000037239 XP_025114872.1 64.1
184 53 3 1 183 1 172 3.30E-59 236.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000037240 6596 556.6 UdeM00000037240 XP_045193664.1 74.7 340
86 0 1 340 6 345 2.20E-155 556.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037241 6596 71.6 UdeM00000037241 XP_045194032.1 38.5 130
73 5 1 125 302 429 1.80E-09 71.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037242 6565 2306.6 UdeM00000037242 XP_022339324.1 69.3
1662 499 6 1 1662 3 1652 0.00E+00 2306.6 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037243 6573 420.2 UdeM00000037243 XP_021358310.1 46.4 569
198 18 36 553 103 615 4.00E-114 420.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037244 6596 360.9 UdeM00000037244 XP_045191409.1 76.2 227
48 4 16 238 25 249 1.20E-96 360.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037245 6596 184.1 UdeM00000037245 XP_045191959.1 65.1 129
44 1 35 162 1 129 3.10E-43 184.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037246 6596 321.2 UdeM00000037246 XP_045192947.1 35.6 641
358 17 1 630 2750 3346 2.90E-84 321.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037247 6596 1681 UdeM00000037247 XP_045192947.1 49.2 1776
813 16 1 1767 1029 2723 0.00E+00 1681 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037248 6573 308.9 UdeM00000037248 XP_021342124.1 32.7 612
317 9 285 841 174 745 2.10E-80 308.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037249 260995 86.3 UdeM00000037249 XP_033812940.1 47.8
90 46 1 4 93 4 92 2.70E-14 86.3 260995

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiidae;Geotrypetes;Geotrypetes seraphini

UdeM00000037250 1415580 263.8 UdeM00000037250 XP_030075314.1 46.8
316 149 4 3 315 326 625 2.70E-67 263.8 1415580

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000037251 6596 2317 UdeM00000037251 XP_045192947.1 46.2 2765
1325 42 571 3303 713 3346 0.00E+00 2317 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037252 6596 2045.4 UdeM00000037252 XP_045192947.1 48.7
2199 1019 24 571 2746 713 2824 0.00E+00 2045.4 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037253 6596 2259.2 UdeM00000037253 XP_045192947.1 45.8
2707 1290 31 1030 3632 713 3346 0.00E+00 2259.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037254 45264 141.4 UdeM00000037254 XP_044184028.1 48.2 168
82 3 27 193 68 231 1.50E-30 141.4 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000037255 45264 91.7 UdeM00000037255 XP_044165143.1 45.8 107
56 2 2 106 367 473 6.80E-16 91.7 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000037256 45264 132.9 UdeM00000037256 XP_044163837.1 44.9 147
80 1 1 146 32 178 7.10E-28 132.9 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000037257 6596 247.7 UdeM00000037257 XP_045193073.1 70.7 157
46 0 1 157 13 169 1.00E-62 247.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037258 400727 212.6 UdeM00000037258 XP_025076276.1 65.3
147 51 0 87 233 43 189 5.30E-52 212.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000037259 400727 212.2 UdeM00000037259 XP_025076276.1 65.3
147 51 0 49 195 43 189 5.80E-52 212.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000037260 6565 78.2 UdeM00000037260 XP_022299727.1 40.9 93
53 1 1 91 46 138 6.10E-12 78.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037261 29159 419.1 UdeM00000037261 XP_011454493.1 63.6 363
124 3 15 375 18 374 6.00E-114 419.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037262 6565 109.8 UdeM00000037262 XP_022327962.1 57 93
38 1 3 93 626 718 1.90E-21 109.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037263 6596 374.4 UdeM00000037263 XP_045193943.1 57.3 330
135 3 4 327 8 337 1.50E-100 374.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037264 6596 229.6 UdeM00000037264 XP_045193934.1 72 143
40 0 14 156 5 147 2.80E-57 229.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037266 6596 424.1 UdeM00000037266 XP_045193934.1 64.8 307
 101 3 7 311 5 306 2.90E-115 424.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037267 6596 416.4 UdeM00000037267 XP_045193934.1 63.9 305
 105 3 7 309 5 306 5.90E-113 416.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037265 6596 424.1 UdeM00000037265 XP_045193934.1 64.8 307
 101 3 7 311 5 306 2.80E-115 424.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037268 6596 337.8 UdeM00000037268 XP_045193921.1 40.4 468
 237 11 8 458 81 523 2.20E-89 337.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037270 1735272 490.3 UdeM00000037270 XP_041375708.1 65.8
 368 122 2 13 376 9 376 2.10E-135 490.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037269 1735272 487.3 UdeM00000037269 XP_041375708.1 67.5
 351 113 1 43 392 26 376 1.90E-134 487.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037271 1735272 438.3 UdeM00000037271 XP_041376980.1 73
 282 75 1 1 281 1 282 7.20E-120 438.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037272 37653 812.8 UdeM00000037272 XP_014779427.1 38.1 1306
 665 28 2 1286 4 1186 7.10E-232 812.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000037273 6596 668.3 UdeM00000037273 XP_045192383.1 45.6 1074
 479 33 623 1628 212 1248 2.50E-188 668.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037274 6579 125.2 UdeM00000037274 XP_033753729.1 63.6 99
 36 0 1 99 1 99 5.40E-26 125.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037275 6579 123.6 UdeM00000037275 XP_033753729.1 64.6 99
 34 1 1 98 1 99 1.60E-25 123.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037276 37653 226.1 UdeM00000037276 XP_014782512.1 55.5 422
 147 7 516 932 488 873 2.00E-55 226.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000037278 37653 226.1 UdeM00000037278 XP_014782512.1 55.5 422
 147 7 68 484 488 873 1.10E-55 226.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000037279 6596 741.1 UdeM00000037279 XP_045193463.1 55.8 683
 248 9 9 686 10 643 1.30E-210 741.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037282 6596 218.4 UdeM00000037282 XP_045193463.1 69.2 146
 43 2 1 145 103 247 6.10E-54 218.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037280 6596 516.9 UdeM00000037280 XP_045193463.1 61 415
 154 5 1 410 103 514 2.30E-143 516.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037281 6596 595.1 UdeM00000037281 XP_045193463.1 58.6 500
 195 7 1 493 103 597 8.10E-167 595.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037284 6596 399.8 UdeM00000037284 XP_045192478.1 59.8 321
 128 1 13 333 1 320 3.30E-108 399.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037285 6596 120.6 UdeM00000037285 XP_045192487.1 24.2 603
 375 22 1 561 1 563 6.80E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037286 6596 632.5 UdeM00000037286 XP_045193463.1 63 476
 172 2 57 530 124 597 4.90E-178 632.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037287 6565 79.3 UdeM00000037287 XP_022299727.1 50.8 63
 31 0 3 65 657 719 2.00E-12 79.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037289 6579 260.4 UdeM00000037289 XP_033726657.1 56.4 236
 102 1 1 235 223 458 2.30E-66 260.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037291 6596 266.2 UdeM00000037291 XP_045181393.1 81.9 149
 27 0 1 149 24 172 3.60E-68 266.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037296 6596 1126.7 UdeM00000037296 XP_045192445.1 75.1
 762 182 3 1 759 1 757 0.00E+00 1126.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037298 6565 845.1 UdeM00000037298 XP_022340925.1 82.4 506
 49 2 1 505 1 467 4.60E-242 845.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037297 6579 2137.5 UdeM00000037297 XP_033755427.1 83.1
 1257 171 4 1 1256 1 1216 0.00E+00 2137.5 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037299 6573 1312.7 UdeM00000037299 XP_021358273.1 83.9
 757 120 2 1 757 462 1216 0.00E+00 1312.7 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037300 2607531 128.3 UdeM00000037300 XP_036366743.1 35.4
 257 83 7 57 306 307 487 1.70E-26 128.3 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000037301 6596 308.5 UdeM00000037301 XP_045194012.1 31.4 821
 403 25 18 746 1 753 2.30E-80 308.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037302 6596 309.3 UdeM00000037302 XP_045194012.1 31.4 821
 403 25 1 729 1 753 1.30E-80 309.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037303 6596 540.4 UdeM00000037303 XP_045163368.1 55.1 494
 213 3 26 512 7 498 2.70E-150 540.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037304 6596 540 UdeM00000037304 XP_045163368.1 55.1 494
 213 3 16 502 7 498 3.40E-150 540 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037310 6579 84 UdeM00000037310 XP_033744239.1 63.2 57
 21 0 1 57 188 244 1.00E-13 84 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037312 6596 331.3 UdeM00000037312 XP_045212714.1 32.4 706
 435 15 3 679 4 696 3.00E-87 331.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037313 6596 68.2 UdeM00000037313 XP_045183837.1 39.2 102
 57 2 46 143 239 339 2.40E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037314 6596 454.1 UdeM00000037314 XP_045192516.1 59.6 356
 134 3 41 396 1178 1523 1.80E-124 454.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037316 6596 514.6 UdeM00000037316 XP_045192519.1 57.6 427
 145 4 18 418 965 1381 1.20E-142 514.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037318 6596 72 UdeM00000037318 XP_045183837.1 39.4 104
 58 2 46 145 239 341 1.10E-09 72 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037320 6596 514.2 UdeM00000037320 XP_045192516.1 57.7 426
 144 4 2 401 1108 1523 1.50E-142 514.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037321 6573 410.6 UdeM00000037321 XP_021372380.1 53.5 439
 189 7 1 434 1 429 2.50E-111 410.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037322 6596 736.5 UdeM00000037322 XP_045192516.1 44 1131
 479 26 1 1001 1 1107 4.50E-209 736.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037325 6596 238.8 UdeM00000037325 XP_045192989.1 42.5 308
 172 3 27 331 61 366 1.00E-59 238.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037326 6565 668.7 UdeM00000037326 XP_022344574.1 59.4 864
 298 13 14 874 18 831 1.00E-188 668.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037327 6596 932.6 UdeM00000037327 XP_045192992.1 69.5 630
 190 2 119 747 166 794 3.20E-268 932.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037328 6596 299.3 UdeM00000037328 XP_045192628.1 53.8 327
 141 4 54 377 22 341 7.00E-78 299.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037329 6596 299.3 UdeM00000037329 XP_045192628.1 53.8 327
 141 4 115 438 22 341 8.10E-78 299.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037331 6579 510.4 UdeM00000037331 XP_033754533.1 81 311
 58 1 75 385 61 370 2.10E-141 510.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037332 6500 1134.8 UdeM00000037332 XP_035824706.1 79.7
700 142 0 1 700 403 1102 0.00E+00 1134.8 6500
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000037333 6596 1437.9 UdeM00000037333 XP_045193054.1 74.7
1030 244 5 1 1020 1122 2144 0.00E+00 1437.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037334 6573 765.8 UdeM00000037334 XP_021341779.1 62.2 688
223 10 2 672 2162 2829 5.10E-218 765.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037335 6596 709.1 UdeM00000037335 XP_045201495.1 74.4 453
115 1 1 452 10 462 3.50E-201 709.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037336 6596 70.1 UdeM00000037336 XP_045183837.1 40.2 102
56 2 46 143 239 339 4.70E-09 70.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037337 6596 70.1 UdeM00000037337 XP_045183837.1 40.2 102
56 2 46 143 239 339 3.70E-09 70.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037339 6596 69.3 UdeM00000037339 XP_045183837.1 37.7 122
68 4 27 143 221 339 9.00E-09 69.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037341 6596 68.6 UdeM00000037341 XP_045183837.1 39.4 104
58 2 46 145 239 341 1.40E-08 68.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037344 29159 219.9 UdeM00000037344 XP_034339165.1 38 334
193 8 1 331 186 508 4.70E-54 219.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037345 29159 498.4 UdeM00000037345 XP_034299474.1 43.7 607
326 8 66 665 158 755 1.40E-137 498.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037349 6596 69.3 UdeM00000037349 XP_045183837.1 39.4 104
58 2 46 145 239 341 6.20E-09 69.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037351 6596 66.2 UdeM00000037351 XP_045183837.1 39.8 103
55 3 46 143 239 339 7.60E-08 66.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037352 6596 69.3 UdeM00000037352 XP_045183837.1 38.5 104
59 2 46 145 239 341 5.90E-09 69.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037353 6596 61.6 UdeM00000037353 XP_045183837.1 42.9 77
40 1 46 118 239 315 2.10E-06 61.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037356 6596 168.7 UdeM00000037356 XP_045194446.1 46.1 204
102 2 1 196 260 463 8.00E-39 168.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037358 29159 89.7 UdeM00000037358 XP_034331549.1 32.9 170
93 3 7 163 221 382 3.70E-15 89.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000037359 50429 95.5 UdeM00000037359 XP_022804186.1 33.1 178
114 3 1 174 430 606 7.10E-17 95.5 50429 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata
UdeM00000037360 80966 107.1 UdeM00000037360 XP_022077561.1 65 80
28 0 1 80 207 286 1.10E-20 107.1 80966 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Ovalentaria
 incertae sedis;Pomacentridae;Acanthochromis;Acanthochromis polyacanthus
 UdeM00000037362 6565 121.7 UdeM00000037362 XP_022302274.1 44.1 145
 58 2 125 247 159 302 1.30E-24 121.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037363 6573 206.1 UdeM00000037363 XP_021349151.1 33.2 428
 193 9 4 352 112 525 1.20E-49 206.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037364 6596 386 UdeM00000037364 XP_045192784.1 47.5 421
 196 8 20 429 19 425 6.50E-104 386 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037365 6596 396.4 UdeM00000037365 XP_045192786.1 44.7 461
 200 6 15 469 14 425 5.30E-107 396.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037366 6596 414.8 UdeM00000037366 XP_045192786.1 49 418
 201 5 15 426 14 425 1.30E-112 414.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037368 6596 735.3 UdeM00000037368 XP_045194438.1 69.7 492
 148 1 1 492 1 491 5.00E-209 735.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000037369 1735272 407.1 UdeM00000037369 XP_041376852.1 46.2
 452 229 5 10 450 26 474 3.00E-110 407.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000037371 6412 91.7 UdeM00000037371 XP_009016697.1 59.2 76
 31 0 34 109 170 245 6.40E-16 91.7 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000037372 6579 856.3 UdeM00000037372 XP_033754625.1 45.6 1100
 442 29 65 1114 10 1003 4.40E-245 856.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000037373 6596 1652.5 UdeM00000037373 XP_045191862.1 74.8
 1074 236 9 7 1069 10 1059 0.00E+00 1652.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037374 6565 227.6 UdeM00000037374 XP_022343015.1 52.9 242
87 8 6 235 11 237 1.70E-56 227.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037375 6573 478 UdeM00000037375 XP_021357988.1 58.5 439
166 8 842 1277 705 1130 3.70E-131 478 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000037376 6596 1399.8 UdeM00000037376 XP_045193477.1 62.6
1088 404 3 2 1088 3 1088 0.00E+00 1399.8 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000037378 6565 588.6 UdeM00000037378 XP_022344800.1 49 637
298 3 97 715 9 636 1.10E-164 588.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037377 6565 588.6 UdeM00000037377 XP_022344800.1 49 637
298 3 66 684 9 636 1.00E-164 588.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037379 6565 120.6 UdeM00000037379 XP_022308193.1 30.4 260
43 1 1 122 295 554 1.50E-24 120.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000037380 400727 679.9 UdeM00000037380 XP_025115161.1 66.8
524 152 2 21 531 57 571 2.70E-192 679.9 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000037381 400727 654.4 UdeM00000037381 XP_025115161.1 67.1
505 147 2 27 519 58 555 1.40E-184 654.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000037382 400727 664.1 UdeM00000037382 XP_025115161.1 72.1
462 125 2 71 530 107 566 1.50E-187 664.1 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000037383 400727 636.3 UdeM00000037383 XP_025115161.1 67.9
467 148 2 53 519 107 571 3.30E-179 636.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000037384 6596 481.9 UdeM00000037384 XP_045194148.1 51.7 468
212 5 19 481 22 480 9.70E-133 481.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037385 6596 811.2 UdeM00000037385 XP_045194146.1 79.2 481
100 0 25 505 30 510 7.30E-232 811.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037394 6565 692.2 UdeM00000037394 XP_022337869.1 63 575
205 4 1 575 1 567 6.10E-196 692.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037395 6565 147.5 UdeM00000037395 XP_022339326.1 51.7 431
167 11 113 539 594 987 4.80E-32 147.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037396 6596 214.9 UdeM00000037396 XP_045191431.1 50.2 285
113 10 1 281 266 525 1.30E-52 214.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037397 6596 662.9 UdeM00000037397 XP_045191431.1 67.1 535
147 10 1 531 16 525 3.40E-187 662.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037398 6596 667.5 UdeM00000037398 XP_045193633.1 56.1 581
251 4 7 585 6 584 1.50E-188 667.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037399 6596 657.1 UdeM00000037399 XP_045193633.1 55.9 581
252 4 7 585 6 584 2.00E-185 657.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037400 6596 692.2 UdeM00000037400 XP_045194286.1 62.7 584
 195 3 1 562 1 583 6.00E-196 692.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037401 6596 721.1 UdeM00000037401 XP_045194286.1 66.1 584
 189 3 1 576 1 583 1.30E-204 721.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037402 6596 697.2 UdeM00000037402 XP_045193322.1 60.3 648
 234 9 1 646 1 627 2.00E-197 697.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037403 6596 243 UdeM00000037403 XP_045194271.1 70.8 161
 47 0 3 163 2 162 2.90E-61 243 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037404 6596 967.2 UdeM00000037404 XP_045194271.1 76.9 615
 142 0 1 615 193 807 1.70E-278 967.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037405 29159 765.8 UdeM00000037405 XP_034336164.1 75.2 492
 111 2 3 490 818 1302 3.40E-218 765.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000037406 6596 1527.3 UdeM00000037406 XP_045166071.1 55.3
 1489 615 19 18 1479 610 2075 0.00E+00 1527.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000037407 45264 314.7 UdeM00000037407 XP_044165143.1 56.9 274
 113 2 42 314 35 304 1.30E-82 314.7 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora

UdeM00000037408 45264 361.3 UdeM00000037408 XP_044165143.1 45.6 443
 175 6 27 407 35 473 1.60E-96 361.3 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora

UdeM00000037409 45264 92 UdeM00000037409 XP_044165143.1 45.8 107
 56 2 2 106 367 473 5.20E-16 92 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000037410 45264 139.4 UdeM00000037410 XP_044164583.1 51.7 149
65 3 1 146 127 271 3.60E-30 139.4 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000037411 45264 129.4 UdeM00000037411 XP_044163837.1 44.2 147
81 1 1 146 32 178 6.70E-27 129.4 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000037413 6596 79.3 UdeM00000037413 XP_045170098.1 67.7 133
40 2 11 141 5 136 4.30E-12 79.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000037415 6579 526.6 UdeM00000037415 XP_033735567.1 89.4 284
30 0 1 284 419 702 2.00E-146 526.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037414 6565 622.5 UdeM00000037414 XP_022331792.1 70.4 720
150 11 1 713 413 1076 6.80E-175 622.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037416 6579 157.5 UdeM00000037416 XP_033735567.1 66.1 118
40 0 1 118 1 118 3.70E-35 157.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037417 1735272 257.3 UdeM00000037417 XP_041352996.1 45.1
315 162 4 66 371 11 323 3.60E-65 257.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037418 1735272 646.4 UdeM00000037418 XP_041351727.1 37.5
1038 599 19 151 1157 149 1167 7.10E-182 646.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000037420 6573 81.3 UdeM00000037420 XP_021348106.1 47.7 86
43 1 1 84 1 86 6.70E-13 81.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000037419 6596 323.2 UdeM00000037419 XP_045173252.1 45.3 369
197 2 4 372 6 369 4.50E-85 323.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037421 6596 129.4 UdeM00000037421 XP_045173349.1 31.1 325
179 12 97 378 587 909 1.00E-26 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037422 6596 264.6 UdeM00000037422 XP_045173349.1 26.2 981
489 28 6 775 173 1129 4.60E-67 264.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037424 45351 85.5 UdeM00000037424 XP_001623471.2 32.8 201
105 7 10 187 12 205 8.50E-14 85.5 45351 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis

UdeM00000037425 6596 255.4 UdeM00000037425 XP_045173349.1 25.6 963
465 28 7 746 173 1107 2.30E-64 255.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037427 6579 1134 UdeM00000037427 XP_033750824.1 53.6 1069
450 11 1 1059 302 1334 0.00E+00 1134 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000037428 6596 160.2 UdeM00000037428 XP_045168479.1 33.7 312
187 4 3 307 418 716 4.20E-36 160.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037429 6596 293.9 UdeM00000037429 XP_045168479.1 43.2 333
183 1 11 343 30 356 2.90E-76 293.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037430 6596 453.8 UdeM00000037430 XP_045169256.1 35 709
442 6 11 719 12 701 4.20E-124 453.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000037433 6565 161.4 UdeM00000037433 XP_022290343.1 51.9 158
66 4 1 149 126 282 9.00E-37 161.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000037434 6565 102.1 UdeM00000037434 XP_022322655.1 48.5 99
 51 0 2 100 650 748 4.40E-19 102.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037435 6565 153.7 UdeM00000037435 XP_022322655.1 37.4 246
 104 5 1 199 417 659 2.80E-34 153.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000037438 29159 62 UdeM00000037438 XP_011426086.2 25.2 139
 99 3 3 137 35 172 1.50E-06 62 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037437 29159 62 UdeM00000037437 XP_011426086.2 25.2 139
 99 3 3 137 35 172 1.30E-06 62 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037443 29159 60.8 UdeM00000037443 XP_011426086.2 27.4 135
 93 3 3 133 35 168 5.30E-06 60.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037446 37621 97.8 UdeM00000037446 XP_014678940.1 44.5 128
 67 3 8 132 829 955 1.20E-17 97.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000037447 37621 143.7 UdeM00000037447 XP_014673981.1 36.2 257
 93 8 2 189 58 312 2.50E-31 143.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000037448 37621 154.1 UdeM00000037448 XP_014672571.1 44.9 187
 97 3 113 293 1 187 4.10E-34 154.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000037449 37621 154.1 UdeM00000037449 XP_014672571.1 44.9 187
 97 3 89 269 1 187 3.90E-34 154.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000037450 7741 179.5 UdeM00000037450 XP_019639752.1 27.5 513
 327 14 42 532 37 526 1.30E-41 179.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000037451 48498 120.6 UdeM00000037451 XP_020602329.1 31 261
 160 10 73 316 1182 1439 4.10E-24 120.6 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata

UdeM00000037454 6573 60.8 UdeM00000037454 XP_021372800.1 22.5 262
 161 11 4 235 111 360 3.20E-06 60.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pecti
 nida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000037458 1735272 269.2 UdeM00000037458 XP_041357551.1 28.9
 630 396 14 29 628 27 634 1.50E-68 269.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000037459 386614 120.6 UdeM00000037459 XP_032900674.1 78.5
 79 17 0 1 79 1 79 5.00E-24 120.6 386614
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
 UdeM00000037460 386614 120.6 UdeM00000037460 XP_032900674.1 78.5
 79 17 0 1 79 1 79 6.60E-24 120.6 386614
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
 UdeM00000037461 386614 120.6 UdeM00000037461 XP_032900674.1 78.5
 79 17 0 1 79 1 79 6.70E-24 120.6 386614
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
 i;Batoidea;Rajiformes;Rajidae;Amblyraja;Amblyraja radiata
 UdeM00000037465 29159 73.9 UdeM00000037465 XP_011426086.2 26.9 186
 129 4 8 186 3 188 2.60E-10 73.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037467 29159 73.9 UdeM00000037467 XP_011426086.2 26.9 186
 129 4 8 186 3 188 2.60E-10 73.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037474 29159 72.4 UdeM00000037474 XP_011426086.2 23.4 304
 209 10 33 327 35 323 2.00E-09 72.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037475 29159 72 UdeM00000037475 XP_011426086.2 23.4 304
 208 10 33 326 35 323 2.50E-09 72 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000037476 1735272 70.9 UdeM00000037476 XP_041364463.1 31.6
 117 80 0 9 125 254 370 1.30E-09 70.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000037477 6565 293.5 UdeM00000037477 XP_022287645.1 39.7 368
204 5 56 408 428 792 4.20E-76 293.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriormorphia; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000037478 37621 73.2 UdeM00000037478 XP_014672571.1 57.4 61
26 0 7 67 127 187 1.90E-10 73.2 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapul
idae; Priapulus; Priapulus caudatus

UdeM00000037479 37621 72.8 UdeM00000037479 XP_014672571.1 41.5 94
53 2 89 180 1 94 5.40E-10 72.8 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapul
idae; Priapulus; Priapulus caudatus

UdeM00000037480 1735272 161.8 UdeM00000037480 XP_041369837.1 35.2
261 154 3 16 276 1877 2122 2.00E-36 161.8 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000044305 7574 129 UdeM00000044305 XP_013388573.1 41.8 184
91 5 96 278 349 517 1.30E-26 129 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
guloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000044306 37621 76.3 UdeM00000044306 XP_014679100.1 35.5 124
73 2 240 363 78 194 9.70E-11 76.3 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapul
idae; Priapulus; Priapulus caudatus

UdeM00000044307 6596 75.5 UdeM00000044307 XP_045186033.1 30.4 158
108 2 6 163 23 178 8.70E-11 75.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria

UdeM00000044308 37621 141.4 UdeM00000044308 XP_014679100.1 37.2 234
133 7 329 557 78 302 3.60E-30 141.4 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapul
idae; Priapulus; Priapulus caudatus

UdeM00000044457 574566 58.9 UdeM00000044457 XP_005652268.1 43.3
67 32 2 57 123 732 792 7.10E-06 58.9 574566
cellular organisms; Eukaryota; Viridiplantae; Chlorophyta; core
chlorophytes; Trebouxiophyceae; Trebouxiophyceae incertae
sedis; Elliptochloris clade; Coccomyxa; Coccomyxa subellipsoidea; Coccomyxa
subellipsoidea C-169

UdeM00000003583 6579 1358.6 UdeM00000003583 XP_033750329.1 43.4
1771 898 37 10 1741 21 1725 0.00E+00 1358.6 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000003584 6596 263.1 UdeM00000003584 XP_045215229.1 44.1 322
154 8 1 299 26 344 4.40E-67 263.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000003586 6573 554.3 UdeM00000003586 XP_021351697.1 37.8 930
337 22 1 709 760 1669 2.30E-154 554.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000003587 6596 499.6 UdeM00000003587 XP_045215229.1 39.1 737
353 15 9 657 21 749 6.30E-138 499.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000003588 6596 453 UdeM00000003588 XP_045216256.1 57 372
158 2 1 370 35 406 3.70E-124 453 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000003589 6596 279.6 UdeM00000003589 XP_045216256.1 54.3 243
110 1 1 242 147 389 3.70E-72 279.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000003590 6596 137.1 UdeM00000003590 XP_045156592.1 75 88
20 2 35 122 34 119 1.50E-29 137.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000003591 6565 1250.7 UdeM00000003591 XP_022330352.1 77.3
790 179 0 1 790 1 790 0.00E+00 1250.7 6565
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000003592 6579 322.4 UdeM00000003592 XP_033749402.1 79 205
42 1 3 206 5 209 4.20E-85 322.4 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000003593 6596 806.6 UdeM00000003593 XP_045216966.1 48.5 831
394 12 2 818 41 851 2.90E-230 806.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000003594 6565 70.5 UdeM00000003594 XP_022333843.1 25.1 334
 161 7 59 389 143 390 6.30E-09 70.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003595 6573 289.7 UdeM00000003595 XP_021357624.1 36.7 420
 230 5 3 390 1 416 5.70E-75 289.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003596 6596 187.2 UdeM00000003596 XP_045216623.1 37.8 283
 163 5 727 997 757 1038 1.40E-43 187.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003598 6596 650.6 UdeM00000003598 XP_045216561.1 58.5 586
 214 8 1 566 1 577 1.80E-183 650.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003600 225164 152.5 UdeM00000003600 XP_009049969.1 49.3
 150 74 1 8 157 9 156 4.40E-34 152.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000003601 6596 162.2 UdeM00000003601 XP_045215906.1 50 150
 73 1 11 158 31 180 6.90E-37 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003602 225164 151.4 UdeM00000003602 XP_009049969.1 48
 148 77 0 7 154 9 156 9.60E-34 151.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000003603 400727 144.1 UdeM00000003603 XP_025106403.1 45.1
 144 79 0 7 150 11 154 1.50E-31 144.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000003605 6573 244.6 UdeM00000003605 XP_021360552.1 43.5 262
 147 1 400 660 447 708 3.60E-61 244.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003606 6573 244.6 UdeM00000003606 XP_021360552.1 43.5 262
 147 1 237 497 447 708 2.70E-61 244.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003607 6596 526.9 UdeM00000003607 XP_045156810.1 47.2 678
306 15 1 641 1 663 3.50E-146 526.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003609 6579 1185.2 UdeM00000003609 XP_033750343.1 53.9
1105 492 8 24 1116 76 1175 0.00E+00 1185.2 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000003610 7574 103.6 UdeM00000003610 XP_013408299.1 28.8 430
263 4 1 417 1 400 6.30E-19 103.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000003611 6596 389.8 UdeM00000003611 XP_045215833.1 55 704
296 4 19 705 39 738 7.60E-105 389.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003612 6596 359.4 UdeM00000003612 XP_045215833.1 73.4 282
75 0 1 282 457 738 4.70E-96 359.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003613 29159 80.9 UdeM00000003613 XP_034324305.1 23.4 197
143 2 187 375 123 319 3.90E-12 80.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000003614 6596 121.7 UdeM00000003614 XP_045156562.1 32 334
195 11 22 351 12 317 2.90E-24 121.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003615 6596 528.5 UdeM00000003615 XP_045215769.1 69.3 384
85 4 7 361 97 476 6.80E-147 528.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003617 6596 443.4 UdeM00000003617 XP_045216390.1 60.3 398
150 4 1 396 133 524 3.10E-121 443.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003616 6596 628.6 UdeM00000003616 XP_045216390.1 63.6 522
 182 4 6 525 9 524 7.00E-177 628.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003618 6579 125.2 UdeM00000003618 XP_033749627.1 28.4 436
 215 16 23 402 9 403 1.90E-25 125.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003620 6596 531.9 UdeM00000003620 XP_045190923.1 54.4 517
 211 6 31 523 15 530 8.80E-148 531.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003622 6596 126.7 UdeM00000003622 XP_045216858.1 40.6 271
 128 13 2 261 8 256 5.00E-26 126.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003623 6596 183.7 UdeM00000003623 XP_045156364.1 75 116
 29 0 1 116 1 116 1.30E-43 183.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003625 6579 90.1 UdeM00000003625 XP_033750948.1 48.2 85
 44 0 18 102 26 110 1.70E-15 90.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003624 6596 118.2 UdeM00000003624 XP_045215677.1 43.9 148
 47 4 22 138 15 157 8.60E-24 118.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003626 6565 281.6 UdeM00000003626 XP_022327962.1 51.1 274
 131 2 1 271 445 718 1.10E-72 281.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003627 6596 179.1 UdeM00000003627 XP_045164125.1 70.8 120
 35 0 1 120 169 288 3.40E-42 179.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003628 6596 949.1 UdeM00000003628 XP_045215677.1 65.8 795
 256 7 1 789 167 951 3.60E-273 949.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003629 6596 932.2 UdeM00000003629 XP_045215677.1 62.9 833
255 8 1 827 167 951 4.80E-268 932.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003630 6579 152.9 UdeM00000003630 XP_033743219.1 39.2 217
115 6 25 236 34 238 5.10E-34 152.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003632 2607531 241.9 UdeM00000003632 XP_029643723.1 50.8
299 132 7 15 303 1 294 1.10E-60 241.9 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000003633 6579 285.4 UdeM00000003633 XP_033750689.1 45.8 371
167 6 27 377 66 422 1.20E-73 285.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003634 6596 92 UdeM00000003634 XP_045216698.1 52.9 85
40 0 20 104 4 88 5.10E-16 92 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003635 6596 322.4 UdeM00000003635 XP_045216696.1 60 270
106 2 15 283 124 392 6.60E-85 322.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003636 7574 198.7 UdeM00000003636 XP_013407187.1 45.3 247
130 4 6 250 5 248 8.50E-48 198.7 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000003638 6573 80.5 UdeM00000003638 XP_021372201.1 32 128
79 3 2 121 8 135 1.70E-12 80.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003639 6573 65.1 UdeM00000003639 XP_021372201.1 32.3 96
61 2 13 104 40 135 6.30E-08 65.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003640 6573 86.7 UdeM00000003640 XP_021372201.1 34.4 128
76 3 2 121 8 135 2.30E-14 86.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003641 6573 70.1 UdeM00000003641 XP_021372201.1 34.7 98
60 2 11 104 38 135 1.90E-09 70.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003642 6573 89.4 UdeM00000003642 XP_021372201.1 37.2 121
72 2 2 118 8 128 3.60E-15 89.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003643 6105 59.3 UdeM00000003643 XP_031568000.1 31 100
64 1 6 100 29 128 4.30E-06 59.3 6105 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000003644 6579 854.4 UdeM00000003644 XP_033728194.1 50.3 858
407 7 1 844 282 1134 1.30E-244 854.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000003646 6579 249.2 UdeM00000003646 XP_033739239.1 44.9 314
148 8 125 417 79 388 9.80E-63 249.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000003647 6573 85.5 UdeM00000003647 XP_021372201.1 35.5 121
74 2 2 118 8 128 5.30E-14 85.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003649 6565 141 UdeM00000003649 XP_022334093.1 48.9 133
68 0 1 133 1 133 1.10E-30 141 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003650 6596 516.5 UdeM00000003650 XP_045216722.1 36.9 862
324 10 25 884 43 686 6.50E-143 516.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000003651 29159 492.3 UdeM00000003651 XP_011436400.1 79.7 301
61 0 1 301 1 301 4.50E-136 492.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000003652 6596 90.1 UdeM00000003652 XP_045216522.1 29.4 177
122 1 93 269 1 174 4.70E-15 90.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000003653 6596 462.2 UdeM00000003653 XP_045215344.1 43.1 592
 285 9 2 569 196 759 9.50E-127 462.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003654 6596 616.7 UdeM00000003654 XP_045215344.1 45 735
 352 9 35 745 53 759 3.90E-173 616.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003655 6596 133.3 UdeM00000003655 XP_045215344.1 51.2 121
 59 0 35 155 53 173 2.70E-28 133.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003657 6596 468.8 UdeM00000003657 XP_045215344.1 43.8 592
 281 10 2 569 196 759 1.00E-128 468.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003658 6596 621.7 UdeM00000003658 XP_045215344.1 44.8 750
 362 10 10 735 38 759 1.20E-174 621.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003659 6596 132.1 UdeM00000003659 XP_045215344.1 46.3 136
 73 0 10 145 38 173 5.70E-28 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003661 6565 442.6 UdeM00000003661 XP_022329914.1 55.9 381
 160 1 37 417 116 488 5.60E-121 442.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003662 6565 439.5 UdeM00000003662 XP_022329914.1 56.1 380
 156 2 1 377 117 488 4.30E-120 439.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003663 29159 431.8 UdeM00000003663 XP_011453191.2 55.5 382
 162 1 30 411 113 486 9.90E-118 431.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003665 29159 549.7 UdeM00000003665 XP_011453191.2 55.5 494
 211 2 1 493 1 486 3.90E-153 549.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003666 29159 92 UdeM00000003666 XP_034339171.1 32.7 156
 93 4 1 144 452 607 7.30E-16 92 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003669 6565 466.5 UdeM00000003669 XP_022329914.1 52.3 444
 203 2 2 444 52 487 3.90E-128 466.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003670 29159 752.3 UdeM00000003670 XP_011453191.2 72.4 486
 134 0 1 486 1 486 3.90E-214 752.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003673 6573 201.1 UdeM00000003673 XP_021371670.1 28.2 634
 398 19 9 614 298 902 4.30E-48 201.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003672 6573 258.5 UdeM00000003672 XP_021371670.1 29.8 725
 448 22 9 702 298 992 2.60E-65 258.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003674 6596 181 UdeM00000003674 XP_045215195.1 40.7 226
 121 2 17 242 285 497 1.80E-42 181 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003675 29159 602.8 UdeM00000003675 XP_034322944.1 61.3 496
 164 5 26 509 29 508 4.00E-169 602.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003677 6596 668.3 UdeM00000003677 XP_045216595.1 66.7 508
 149 9 11 512 7 500 7.70E-189 668.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003678 6579 691.4 UdeM00000003678 XP_033749540.1 72.5 484
 129 3 23 505 19 499 8.60E-196 691.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003679 6596 634 UdeM00000003679 XP_045216591.1 61.7 519
 182 5 60 567 23 535 1.80E-178 634 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003680 6596 652.1 UdeM00000003680 XP_045156808.1 68 475
 129 5 1 458 41 509 5.10E-184 652.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003681 6579 517.3 UdeM00000003681 XP_033749914.1 57.4 481
 170 2 1 449 1 478 2.00E-143 517.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003682 6596 134.4 UdeM00000003682 XP_045215918.1 56.3 103
 45 0 3 105 39 141 8.90E-29 134.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003683 6596 114.8 UdeM00000003683 XP_045215923.1 51.3 119
 52 1 8 120 152 270 1.00E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003685 6596 751.9 UdeM00000003685 XP_045215747.1 58 617
 243 3 1 601 9 625 6.30E-214 751.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003686 6596 310.1 UdeM00000003686 XP_045156315.1 40.6 404
 214 8 50 436 907 1301 4.60E-81 310.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003687 6596 425.6 UdeM00000003687 XP_045156314.1 51 398
 189 5 647 1040 907 1302 1.80E-115 425.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003687 6596 88.2 UdeM00000003687 XP_045156314.1 35.5 141
 88 1 126 266 4 141 6.70E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003688 6596 449.5 UdeM00000003688 XP_045156314.1 53 398
 181 5 244 637 907 1302 7.00E-123 449.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003689 6596 379 UdeM00000003689 XP_045156316.1 34.9 587
 266 7 4 479 6 587 8.80E-102 379 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003690 6565 555.4 UdeM00000003690 XP_022324874.1 78.5 340
 69 2 1 336 2 341 4.80E-155 555.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003691 7574 228.8 UdeM00000003691 XP_013413451.1 57.5 193
 67 6 8 187 63 253 7.30E-57 228.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000003692 6596 552 UdeM00000003692 XP_045156457.1 70.8 408
 103 2 11 417 12 404 6.60E-154 552 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003693 6596 532.3 UdeM00000003693 XP_045156457.1 67.9 421
 117 4 1 420 1 404 5.40E-148 532.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003694 6596 505.4 UdeM00000003694 XP_045156457.1 69 390
 104 3 1 389 31 404 6.60E-140 505.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003695 6596 327 UdeM00000003695 XP_045156457.1 66 285
 80 3 29 312 136 404 2.60E-86 327 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003696 6573 278.9 UdeM00000003696 XP_021372232.1 48.6 329
 155 7 22 348 16 332 9.30E-72 278.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003697 6596 218 UdeM00000003697 XP_045215562.1 47.9 305
 128 7 5 295 3 290 1.60E-53 218 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000003698 6596 302.8 UdeM00000003698 XP_045215564.1 47.7 344
 122 6 23 355 31 327 1.30E-78 302.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003699 6579 233.4 UdeM00000003699 XP_033749701.1 40.6 330
 158 6 23 317 22 348 4.10E-58 233.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003701 70779 84.3 UdeM00000003701 XP_015764363.1 27.8 273
 103 5 2 182 4 274 1.70E-13 84.3 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000003702 1735272 860.1 UdeM00000003702 XP_041368920.1 67.2
 717 229 4 18 730 343 1057 2.00E-246 860.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003704 6573 92 UdeM00000003704 XP_021362174.1 25.3 296
 212 7 147 438 228 518 2.00E-15 92 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003707 6596 523.5 UdeM00000003707 XP_045215710.1 65.6 401
 118 4 2 383 98 497 2.30E-145 523.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003708 6596 674.5 UdeM00000003708 XP_045216700.1 53.4 725
 276 14 794 1504 11 687 3.20E-190 674.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003709 6565 332.8 UdeM00000003709 XP_022294587.1 30.5 737
 469 17 1 720 1 711 1.20E-87 332.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003710 2652724 110.5 UdeM00000003710 XP_028513771.1 32.5
 246 107 7 1 222 73 283 3.10E-21 110.5 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000003712 29159 98.2 UdeM00000003712 XP_034325518.1 46.2 106
 56 1 1 106 623 727 7.40E-18 98.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003713 6565 128.3 UdeM00000003713 XP_022332499.1 36.4 209
 123 4 1 206 411 612 1.20E-26 128.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003714 225164 201.4 UdeM00000003714 XP_009048669.1 43.3
 247 128 3 1 246 1 236 1.30E-48 201.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000003715 6565 449.1 UdeM00000003715 XP_022332499.1 36.7 701
 407 15 47 733 51 728 1.10E-122 449.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003716 6596 263.1 UdeM00000003716 XP_045156778.1 56 225
 99 0 144 368 43 267 7.30E-67 263.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003717 6596 138.3 UdeM00000003717 XP_045156780.1 33.8 367
 215 6 16 360 72 432 3.80E-29 138.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003718 6579 437.2 UdeM00000003718 XP_033750244.1 52.1 459
 203 5 3 461 21 462 2.60E-119 437.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003719 29159 558.9 UdeM00000003719 XP_034325609.1 55 515
 222 5 6 516 79 587 6.80E-156 558.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003720 6573 60.8 UdeM00000003720 XP_021347436.1 58.8 51
 20 1 43 93 28 77 1.00E-06 60.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003722 6596 702.6 UdeM00000003722 XP_045156193.1 57.1 595
 234 4 8 596 27 606 4.40E-199 702.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003723 7574 99 UdeM00000003723 XP_013410728.1 44.3 122
 65 1 119 237 220 341 8.80E-18 99 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000003724 6565 222.6 UdeM00000003724 XP_022331338.1 70.6 153
 44 1 31 182 562 714 4.10E-55 222.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003725 6596 1478.4 UdeM00000003725 XP_045156772.1 64.8
 1207 386 10 1 1179 1 1196 0.00E+00 1478.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003726 6596 1133.6 UdeM00000003726 XP_045156772.1 65.7
 926 299 9 6 923 282 1196 0.00E+00 1133.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003727 30069 65.1 UdeM00000003727 XP_035891545.1 25.4 118
 88 0 21 138 224 341 1.00E-07 65.1 30069 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Anophelinae;Anopheles;Cellia;Neocellia;Anophe
 les stephensi
 UdeM00000003728 1735272 246.9 UdeM00000003728 XP_041352813.1 54.8
 210 91 1 7 216 1 206 2.40E-62 246.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003729 72036 296.6 UdeM00000003729 XP_040576246.1 39.6 419
 212 7 15 392 43 461 4.70E-77 296.6 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000003732 6579 711.1 UdeM00000003732 XP_033749783.1 91.2 441
 28 5 1 435 1 436 8.90E-202 711.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003733 6596 713 UdeM00000003733 XP_045216676.1 42.9 998
 457 23 30 981 15 945 5.50E-202 713 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003734 6596 547.7 UdeM00000003734 XP_045216676.1 48.2 639
 276 13 17 652 91 677 2.20E-152 547.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003735 6596 66.6 UdeM00000003735 XP_045202229.1 32.1 168
 72 7 42 169 23 188 3.40E-08 66.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003736 6579 845.5 UdeM00000003736 XP_033763276.1 36.1 1436
 835 27 41 1442 151 1537 1.00E-241 845.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003737 6500 131.3 UdeM00000003737 XP_005109712.1 62 100
 38 0 52 151 5 104 1.00E-27 131.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000003738 1735272 901.7 UdeM00000003738 XP_041347627.1 40.2
 1249 702 22 235 1463 471 1694 1.20E-258 901.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000003739 29159 600.5 UdeM00000003739 XP_011427002.2 42 786
 415 12 84 855 7 765 3.30E-168 600.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003740 6579 215.7 UdeM00000003740 XP_033749757.1 29.8 631
 376 13 9 608 22 616 1.60E-52 215.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003741 6573 305.4 UdeM00000003741 XP_021362316.1 51.5 324
 145 5 58 372 1 321 9.70E-80 305.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003743 6573 224.2 UdeM00000003743 XP_021362316.1 53.9 232
 96 4 1 224 93 321 1.70E-55 224.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000003742 45264 84 UdeM00000003742 XP_044164507.1 39.3 122
 73 1 38 159 48 168 1.90E-13 84 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000003744 6596 484.6 UdeM00000003744 XP_045216783.1 61.2 402
 133 4 1 398 6 388 1.20E-133 484.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003747 6565 175.3 UdeM00000003747 XP_022332250.1 53.2 171
 64 4 1 168 237 394 6.80E-41 175.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003746 6596 504.6 UdeM00000003746 XP_045216783.1 61.6 404
 138 4 1 403 1 388 1.20E-139 504.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003748 6596 328.6 UdeM00000003748 XP_045216783.1 68.9 222
 69 0 1 222 1 222 6.40E-87 328.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003749 6596 262.7 UdeM00000003749 XP_045216781.1 56.4 241
 88 4 4 243 176 400 4.70E-67 262.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003750 6596 166 UdeM00000003750 XP_045216781.1 65.8 120
 41 0 4 123 176 295 3.40E-38 166 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003751 6596 171.8 UdeM00000003751 XP_045216781.1 63.4 123
 45 0 5 127 52 174 6.00E-40 171.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003752 6596 400.6 UdeM00000003752 XP_045156473.1 50.7 408
 191 3 1 404 1 402 2.50E-108 400.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003753 6565 227.3 UdeM00000003753 XP_022330664.1 39.3 346
 187 9 28 355 817 1157 3.20E-56 227.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000003755 7739 132.5 UdeM00000003755 XP_035663420.1 27.5 364
 158 5 2 261 161 522 7.80E-28 132.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000003756 29159 80.1 UdeM00000003756 XP_034331441.1 39.5 119
 68 2 1 116 99 216 3.10E-12 80.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000003757 6579 408.3 UdeM00000003757 XP_033750765.1 60.1 296
 117 1 1 295 51 346 8.30E-11 408.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003759 37653 143.7 UdeM00000003759 XP_014777387.1 75.3 85
 21 0 1 85 1 85 1.30E-31 143.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000003758 6579 869.8 UdeM00000003758 XP_033750418.1 75.3 583
 118 1 8 564 9 591 1.90E-249 869.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003760 6596 335.5 UdeM00000003760 XP_045215924.1 50.8 492
 169 11 203 661 187 638 1.50E-88 335.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003761 6596 481.5 UdeM00000003761 XP_045156534.1 55.9 560
 213 12 2 555 11 542 1.50E-132 481.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003762 6596 60.1 UdeM00000003762 XP_045189070.1 42.7 89
 44 4 2 86 1 86 2.50E-06 60.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003763 260995 65.1 UdeM00000003763 XP_033803390.1 50
 64 32 0 1 64 301 364 4.60E-08 65.1 260995
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Dermophiida
 e;Geotrypetes;Geotrypetes seraphini
 UdeM00000003764 284591 313.9 UdeM00000003764 XP_502566.2 41.1 382
 207 4 9 385 7 375 2.80E-82 313.9 284591
 cellular
 organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Ascomycota;saccharomyceta;
 Saccharomycotina;Saccharomycetes;Saccharomycetales;Dipodascaceae;Yarrowia
 ;Yarrowia lipolytica;Yarrowia lipolytica CLIB122
 UdeM00000003765 400727 382.1 UdeM00000003765 XP_025076851.1 56.5
 368 156 2 1 364 1 368 8.70E-103 382.1 400727
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000003766 27405 147.9 UdeM00000003766 XP_042875620.1 45.8 166
88 1 1 164 1 166 1.40E-32 147.9 27405 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiata;Penaeoidea;Penaeidae;Penaeus;Penaeus japonicus
UdeM00000003767 6596 400.2 UdeM00000003767 XP_045156532.1 66.9 278
86 1 8 279 8 285 2.40E-108 400.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003768 1735272 2208.3 UdeM00000003768 XP_041373194.1
67.1 1607 509 8 6 1603 719 2315 0.00E+00 2208.3
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000003769 6596 198 UdeM00000003769 XP_045160246.1 65.9 164
56 0 16 179 903 1066 1.20E-47 198 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003770 6596 659.8 UdeM00000003770 XP_045160246.1 40.2 905
507 14 56 943 16 903 5.10E-186 659.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003771 6565 582 UdeM00000003771 XP_022331369.1 48.7 830
409 12 39 856 284 1108 1.20E-162 582 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003772 6565 6482.5 UdeM00000003772 XP_022331369.1 56.3
5782 2218 22 243 5964 1109 6640 0.00E+00 6482.5 6565
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000003773 6500 1527.7 UdeM00000003773 XP_005092384.1 51.9
1481 694 7 9 1474 6149 7625 0.00E+00 1527.7 6500
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000003774 6573 1404 UdeM00000003774 XP_021357584.1 53.2 2224
992 24 1 2196 7634 9837 0.00E+00 1404 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003776 151771 109.4 UdeM00000003776 XP_028405874.1 53.1
96 45 0 6 101 55 150 3.40E-21 109.4 151771
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea
UdeM00000003777 6573 665.6 UdeM00000003777 XP_021368426.1 51.7 811
336 17 13 797 877 1657 7.90E-188 665.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003778 6596 429.1 UdeM00000003778 XP_045156698.1 59.5 365
148 0 9 373 26 390 6.10E-117 429.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003779 6596 1433.3 UdeM00000003779 XP_045156696.1 82.8
865 139 6 16 873 35 896 0.00E+00 1433.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000003781 225164 131.3 UdeM00000003781 XP_009047886.1 33.1
344 158 9 1 315 3 303 2.20E-27 131.3 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea
UdeM00000003782 6573 840.5 UdeM00000003782 XP_021351697.1 32 1724
990 32 8 1705 5 1571 4.20E-240 840.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000003783 1735272 765 UdeM00000003783 XP_041367827.1 62.5
558 193 2 1 558 285 826 6.70E-218 765 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000003784 6579 295.4 UdeM00000003784 XP_033750220.1 66.5 203
63 3 23 222 80 280 6.40E-77 295.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000003785 6579 94 UdeM00000003785 XP_033750220.1 71.7 53
15 0 16 68 7 59 8.10E-17 94 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003786 6596 249.6 UdeM00000003786 XP_045215828.1 73.9 188
 49 0 1 188 1 188 8.60E-63 249.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003787 6596 224.2 UdeM00000003787 XP_045215602.1 42.1 285
 153 2 1 283 1 275 2.10E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003788 218467 120.2 UdeM00000003788 XP_023219748.1 53.2
 124 57 1 1 123 75 198 1.90E-24 120.2 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000003789 166361 202.2 UdeM00000003789 XP_022910137.1 46.6
 232 100 3 8 217 109 338 6.70E-49 202.2 166361
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Scar
 abaeiformia;Scarabaeoidea;Scarabaeidae;Scarabaeinae;Scarabaeinae incertae
 sedis;Onthophagus;Onthophagus taurus
 UdeM00000003790 6579 1365.9 UdeM00000003790 XP_033750329.1 43.4
 1765 904 30 21 1745 21 1730 0.00E+00 1365.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003791 6579 644.4 UdeM00000003791 XP_033750329.1 50.3 730
 336 16 4 717 1012 1730 1.70E-181 644.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003792 6579 1336.6 UdeM00000003792 XP_033750329.1 42.8
 1784 919 32 8 1747 4 1730 0.00E+00 1336.6 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003793 7913 170.6 UdeM00000003793 XP_041082893.1 72.1 122
 33 1 1 121 1 122 1.20E-39 170.6 7913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidi;Polyod
 ontidae;Polyodontinae;Polyodontini;Polyodon;Polyodon spathula
 UdeM00000003794 6579 360.5 UdeM00000003794 XP_033750329.1 45 493
 249 13 27 503 1244 1730 3.40E-96 360.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003795 6579 119 UdeM00000003795 XP_033750329.1 34.7 248
 68 6 16 171 1016 1261 6.20E-24 119 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003796 6579 916.4 UdeM00000003796 XP_033750329.1 50.9 986
 441 22 81 1036 758 1730 3.30E-263 916.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003797 225164 123.2 UdeM00000003797 XP_009050652.1 47.6
 143 65 3 14 148 565 705 2.80E-25 123.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000003798 6596 410.6 UdeM00000003798 XP_045215229.1 42.5 543
 286 11 19 539 20 558 3.70E-111 410.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003799 6579 900.2 UdeM00000003799 XP_033750329.1 50.5 988
 449 21 1 963 758 1730 2.30E-258 900.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003800 6596 517.7 UdeM00000003800 XP_045215229.1 42.1 796
 408 18 15 786 12 778 2.60E-143 517.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003801 6579 1306.2 UdeM00000003801 XP_033750329.1 43
 1773 862 35 8 1677 4 1730 0.00E+00 1306.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000003802 6596 162.2 UdeM00000003802 XP_045215229.1 41.7 228
 115 6 15 224 12 239 8.40E-37 162.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003803 6596 164.1 UdeM00000003803 XP_045215229.1 40.9 237
 122 6 15 233 12 248 2.20E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000003804 6596 343.2 UdeM00000003804 XP_045196631.1 51.9 347
 140 3 30 349 53 399 4.20E-91 343.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003805 6596 338.2 UdeM00000003805 XP_045196631.1 66.7 246
76 2 1 240 411 656 8.70E-90 338.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003806 6596 377.9 UdeM00000003806 XP_045156702.1 78.2 216
47 0 26 241 38 253 9.90E-102 377.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003807 6596 574.3 UdeM00000003807 XP_045215770.1 32.2 1799
964 56 9 1753 4 1600 5.20E-160 574.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003808 6596 1969.5 UdeM00000003808 XP_045156658.1 43.4
2451 1305 28 14 2439 23 2415 0.00E+00 1969.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003809 1735272 178.3 UdeM00000003809 XP_041367773.1 31
393 242 9 26 409 37 409 2.00E-41 178.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003810 1735272 449.5 UdeM00000003810 XP_041363645.1 40.8
605 339 5 27 624 647 1239 6.90E-123 449.5 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003811 1735272 259.2 UdeM00000003811 XP_041364550.1 32
437 283 5 10 437 7 438 9.30E-66 259.2 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003814 6579 244.2 UdeM00000003814 XP_033749720.1 75.3 450
85 3 1 449 1 425 3.20E-61 244.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003815 6579 246.1 UdeM00000003815 XP_033749720.1 76.2 445
85 3 1 444 1 425 8.20E-62 246.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003816 1735272 322 UdeM00000003816 XP_041375949.1 51.3
318 154 1 5 322 12 328 8.90E-85 322 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000003817 29159 371.3 UdeM00000003817 XP_034328543.1 51.1 378
177 5 16 391 1 372 1.50E-99 371.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003818 29159 337.4 UdeM00000003818 XP_034328543.1 48 379
184 7 16 387 1 373 2.40E-89 337.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003819 29159 365.9 UdeM00000003819 XP_034328543.1 49.9 379
180 6 16 391 1 372 6.30E-98 365.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000003820 6596 675.6 UdeM00000003820 XP_045156417.1 48.6 889
381 8 12 838 12 886 7.90E-191 675.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003821 6596 250.4 UdeM00000003821 XP_045215960.1 45.3 256
140 0 1 256 1 256 2.60E-63 250.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003822 6596 256.1 UdeM00000003822 XP_045215960.1 47.3 256
135 0 1 256 1 256 4.70E-65 256.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003823 6573 404.1 UdeM00000003823 XP_021371940.1 42.5 574
289 9 2 544 73 636 3.00E-109 404.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003824 6573 405.2 UdeM00000003824 XP_021371940.1 42.7 571
289 9 2 541 73 636 1.30E-109 405.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000003825 6596 669.5 UdeM00000003825 XP_045168041.1 34.2 1273
751 20 30 1237 74 1325 8.40E-189 669.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003826 6596 417.2 UdeM00000003826 XP_045215668.1 64 336
114 3 33 366 23 353 2.20E-113 417.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003827 6596 317.4 UdeM00000003827 XP_045215764.1 50.9 340
126 6 1 306 106 438 2.10E-83 317.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003828 6596 329.7 UdeM00000003828 XP_045215764.1 51.1 348
129 6 1 314 98 438 4.10E-87 329.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003829 6596 132.1 UdeM00000003829 XP_045215764.1 75 84
20 1 1 84 2 84 3.50E-28 132.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003830 6596 325.1 UdeM00000003830 XP_045215764.1 51.8 340
125 6 1 308 106 438 9.90E-86 325.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003833 6596 132.1 UdeM00000003833 XP_045215764.1 78.5 79
16 1 1 79 2 79 3.80E-28 132.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003834 6596 294.7 UdeM00000003834 XP_045215596.1 55.1 272
122 0 1 272 1 272 1.20E-76 294.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000003836 6579 107.5 UdeM00000003836 XP_033750148.1 51 100
47 1 5 104 2 99 1.20E-20 107.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000003835 6565 108.2 UdeM00000003835 XP_022331627.1 47.5 118
58 2 1 116 1 116 7.30E-21 108.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000003837 6579 60.1 UdeM00000003837 XP_033750148.1 31.1 135
72 3 4 132 150 269 2.60E-06 60.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000003838 29159 108.2 UdeM00000003838 XP_011448949.2 28 300
194 7 666 962 443 723 6.80E-20 108.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000003839 1735272 58.9 UdeM00000003839 XP_041367786.1 38.2
76 47 0 8 83 713 788 3.80E-06 58.9 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000003842 7574 224.2 UdeM00000003842 XP_013391612.1 39.2 370
196 7 56 405 180 540 3.10E-55 224.2 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
guloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000003841 7574 225.7 UdeM00000003841 XP_013391612.1 33.5 514
286 12 1 467 36 540 1.20E-55 225.7 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Lin
guloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000003840 1735272 223 UdeM00000003840 XP_041371889.1 30.5
531 331 7 5 501 14 540 8.50E-55 223 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000003843 441366 155.2 UdeM00000003843 XP_028305670.1 56.7
141 61 0 383 523 242 382 2.30E-34 155.2 441366
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorpha; Percomorphaceae; Ovalentaria; Blenniiformes; Blen
niiformes; Gobiesocidae; Gobiesocinae; Gouania; Gouania
willdenowi
UdeM00000020119 50390 419.5 UdeM00000020119 XP_028154228.1 61 290
113 0 1 290 324 613 3.60E-114 419.5 50390 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucu
jiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; D
iabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera
virgifera
UdeM00000020120 29159 74.7 UdeM00000020120 XP_011435380.2 55.7 61
27 0 4 64 203 263 6.50E-11 74.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr

UdeM00000020121 6596 337 UdeM00000020121 XP_045171211.1 54.9 266
116 2 37 300 25 288 2.70E-89 337 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020122 6596 349.4 UdeM00000020122 XP_045171211.1 53.5 284
128 2 4 285 7 288 5.10E-93 349.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020123 29159 258.1 UdeM00000020123 XP_011435380.2 56.4 225
88 2 4 227 97 312 1.10E-65 258.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020124 6596 347.8 UdeM00000020124 XP_045171211.1 54.3 282
125 2 4 283 7 286 1.50E-92 347.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020125 6573 207.6 UdeM00000020125 XP_021370223.1 85.8 120
17 0 35 154 1 120 1.10E-50 207.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020129 29159 433.3 UdeM00000020129 XP_034317111.1 58.9 350
144 0 1 350 1 350 2.90E-118 433.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020132 6596 542.3 UdeM00000020132 XP_045171477.1 46.1 661
257 5 23 598 3 649 7.60E-151 542.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020133 6596 589.3 UdeM00000020133 XP_045171477.1 48.7 661
269 4 23 627 3 649 5.70E-165 589.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020134 6596 355.5 UdeM00000020134 XP_045171477.1 48.9 401
149 3 16 360 8 408 8.30E-95 355.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020135 400727 203 UdeM00000020135 XP_025091970.1 45.3
 236 120 2 1 227 373 608 4.20E-49 203 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000020136 6596 597 UdeM00000020136 XP_045171477.1 51.1 653
 232 8 33 622 33 661 2.70E-167 597 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020137 6596 622.1 UdeM00000020137 XP_045171477.1 51.3 679
 251 8 1 617 1 661 7.70E-175 622.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020139 29159 215.7 UdeM00000020139 XP_034336502.1 32.1 720
 378 31 409 1086 326 976 2.90E-52 215.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020140 6573 466.1 UdeM00000020140 XP_021370387.1 37.2 761
 427 15 32 749 41 793 8.50E-128 466.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020141 6596 131.3 UdeM00000020141 XP_045173408.1 39.3 178
 95 4 9 173 2 179 1.90E-27 131.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020142 6596 135.6 UdeM00000020142 XP_045173408.1 35.2 219
 128 6 9 226 2 207 1.10E-28 135.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020143 6565 371.3 UdeM00000020143 XP_022314936.1 77.9 213
 47 0 1 213 14 226 8.20E-100 371.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020144 400727 152.5 UdeM00000020144 XP_025109299.1 68.5
 111 29 3 1 107 241 349 3.10E-34 152.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000020145 37653 63.2 UdeM00000020145 XP_014773118.1 55.4 65
 23 3 93 155 27 87 3.50E-07 63.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000020146 6596 65.1 UdeM00000020146 XP_045162959.1 30.5 151
86 5 84 218 234 381 1.40E-07 65.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020147 6596 86.7 UdeM00000020147 XP_045206295.1 60 70
22 1 3 72 243 306 2.30E-14 86.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020148 6596 515 UdeM00000020148 XP_045172074.1 60.9 376
147 0 53 428 5 380 9.30E-143 515 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020149 6596 511.5 UdeM00000020149 XP_045172074.1 60.9 373
146 0 7 379 8 380 9.10E-142 511.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020150 37653 75.9 UdeM00000020150 XP_014773118.1 58.5 65
25 2 114 176 23 87 5.90E-11 75.9 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000020151 946362 74.7 UdeM00000020151 XP_004994712.1 59.6
57 22 1 124 179 106 162 1.30E-10 74.7 946362
cellular
organisms;Eukaryota;Opisthokonta;Choanoflagellata;Craspedida;Salpingoecid
ae;Salpingoeca;Salpingoeca rosetta

UdeM00000020153 6596 581.6 UdeM00000020153 XP_045172252.1 45.3 746
340 9 1 686 378 1115 1.30E-162 581.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020152 6596 581.6 UdeM00000020152 XP_045172252.1 45.2 747
341 9 2 688 377 1115 1.30E-162 581.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020154 6596 287 UdeM00000020154 XP_045172252.1 48.1 318
157 3 14 329 49 360 3.30E-74 287 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020155 6565 286.2 UdeM00000020155 XP_022327962.1 51.5 291
 138 2 1 288 428 718 4.70E-74 286.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020156 225164 262.7 UdeM00000020156 XP_009062390.1 64.2
 187 67 0 3 189 4 190 3.90E-67 262.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000020159 6596 106.7 UdeM00000020159 XP_045173120.1 60 90
 32 2 91 179 100 186 3.20E-20 106.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020160 29159 513.1 UdeM00000020160 XP_034336897.1 58.5 472
 151 5 13 453 171 628 3.70E-142 513.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020163 225164 312.8 UdeM00000020163 XP_009062390.1 63.4
 227 83 0 3 229 4 230 3.80E-82 312.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000020164 6565 106.7 UdeM00000020164 XP_022327962.1 54.8 93
 40 1 3 93 626 718 1.70E-20 106.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020165 6573 145.6 UdeM00000020165 XP_021377622.1 53.7 162
 68 2 5 166 457 611 5.80E-32 145.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020166 6596 173.7 UdeM00000020166 XP_045173617.1 59.3 140
 55 1 3 142 19 156 1.70E-40 173.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020167 6596 85.9 UdeM00000020167 XP_045171426.1 63.5 52
 19 0 3141 3192 4020 4071 1.00E-12 85.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020169 6573 649.8 UdeM00000020169 XP_021353956.1 57.5 570
 214 5 11 565 39 595 3.30E-183 649.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000020170 6596 680.6 UdeM00000020170 XP_045170886.1 58.8 594
230 6 1 587 1 586 1.80E-192 680.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000020171 7725 91.7 UdeM00000020171 XP_039265581.1 35.3 133
83 1 1 130 225 357 7.70E-16 91.7 7725 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Tunicata; Ascidiacea; Stolidobranchia; Styelidae; Styela; Styela clava

UdeM00000020172 6596 706.8 UdeM00000020172 XP_045171363.1 46.7 1204
483 26 5 1082 4 1174 4.10E-200 706.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000020173 400727 404.1 UdeM00000020173 XP_025086573.1 71.1
263 76 0 1 263 7 269 1.40E-109 404.1 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000020174 6596 724.9 UdeM00000020174 XP_045173499.1 55.5 1723
668 24 60 1747 13 1672 2.40E-205 724.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000020175 6596 162.5 UdeM00000020175 XP_045171882.1 28 479
296 13 18 466 20 479 3.30E-36 162.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000020176 6596 162.5 UdeM00000020176 XP_045171882.1 28 479
296 13 18 466 20 479 3.30E-36 162.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000020177 6596 993.4 UdeM00000020177 XP_045171869.1 65 717
243 4 2 710 5 721 1.50E-286 993.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000020178 6596 995.7 UdeM00000020178 XP_045171866.1 60.5 794
287 6 2 768 6 799 3.20E-287 995.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020179 6579 214.2 UdeM00000020179 XP_033748337.1 52 196
 93 1 131 325 80 275 2.50E-52 214.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020180 6579 488 UdeM00000020180 XP_033748619.1 48.9 612
 252 17 573 1156 180 758 3.20E-134 488 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020181 6579 493.4 UdeM00000020181 XP_033748619.1 49.1 609
 252 16 573 1153 180 758 7.70E-136 493.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020183 225164 796.2 UdeM00000020183 XP_009051695.1 52.3
 1004 421 10 1 979 1 971 4.70E-227 796.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000020184 6596 324.3 UdeM00000020184 XP_045196470.1 31.2 711
 432 16 5 669 4 703 3.60E-85 324.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhetero-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria
 a mercenaria
 UdeM00000020185 6596 228.8 UdeM00000020185 XP_045173372.1 62.1 169
 64 0 4 172 157 325 6.00E-57 228.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhetero-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria
 a mercenaria
 UdeM00000020186 46514 145.2 UdeM00000020186 XP_038075930.1 47.4 152
 77 2 65 213 62 213 1.30E-31 145.2 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;
 Patiria;Patiria miniata
 UdeM00000020187 6596 96.7 UdeM00000020187 XP_045173199.1 38.8 139
 76 2 5 134 4 142 2.40E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhetero-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria
 a mercenaria
 UdeM00000020188 6596 144.4 UdeM00000020188 XP_045157494.1 28.1 402
 248 9 1 364 298 696 2.80E-31 144.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhetero-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria
 a mercenaria
 UdeM00000020189 6596 509.6 UdeM00000020189 XP_045170850.1 52.1 486
 145 4 65 464 2323 2806 4.60E-141 509.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020190 6596 130.2 UdeM00000020190 XP_045173923.1 45.9 122
66 0 22 143 26 147 4.80E-27 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020191 6596 1170.2 UdeM00000020191 XP_045173370.1 58.8
950 360 11 40 985 23 945 0.00E+00 1170.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020192 29159 679.9 UdeM00000020192 XP_034336035.1 53.2 605
277 6 2 603 75 676 3.30E-192 679.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020193 6596 2234.5 UdeM00000020193 XP_045173388.1 58.2
1795 717 16 2 1786 1555 3326 0.00E+00 2234.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020194 415028 124 UdeM00000020194 XP_027505847.1 39.2
181 85 7 21 198 146 304 2.10E-25 124 415028
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Passeriformes;Pipridae;Corapipo;Corapipo altera

UdeM00000020195 7897 132.1 UdeM00000020195 XP_014344557.1 36.2 185
100 5 17 200 261 428 7.90E-28 132.1 7897 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Coelacanthimorpha;Coelacanthiformes;Coelacanthidae;Latimeria;Latimeria chalumnae

UdeM00000020196 6596 235.7 UdeM00000020196 XP_045204432.1 35.6 362
219 4 1 358 1 352 9.60E-59 235.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020197 6596 567 UdeM00000020197 XP_045197440.1 65.1 435
145 2 12 440 7 440 2.20E-158 567 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020198 7739 124 UdeM00000020198 XP_035674639.1 37.4 203
111 6 87 280 27 222 3.30E-25 124 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000020199 29159 380.6 UdeM00000020199 XP_034336544.1 40.5 518
255 4 52 567 16 482 3.70E-102 380.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020200 29159 163.7 UdeM00000020200 XP_034336544.1 42.9 189
108 0 5 193 294 482 2.50E-37 163.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020201 29159 117.5 UdeM00000020201 XP_034336544.1 42.3 137
79 0 3 139 346 482 1.50E-23 117.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020203 74940 67.4 UdeM00000020203 XP_042162690.1 47.3 74
38 1 1 74 145 217 2.80E-08 67.4 74940 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salmoninae;Oncorhynchus;Oncorhynchus tshawytscha

UdeM00000020204 1529436 63.2 UdeM00000020204 XP_033097181.1 32.8
122 78 2 1 122 166 283 2.80E-07 63.2 1529436

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000020205 6565 140.2 UdeM00000020205 XP_022297409.1 42.2 154
87 2 1 153 82 234 2.20E-30 140.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020209 43700 88.6 UdeM00000020209 XP_020448280.1 40.9 110
62 2 4 113 13 119 1.80E-14 88.6 43700 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Anabantaria;Synbranchiformes;Synbranchioidei;Synbranchidae;Monopterus;Monopterus albus

UdeM00000020208 43700 88.6 UdeM00000020208 XP_020448280.1 40.9 110
62 2 11 120 13 119 1.90E-14 88.6 43700 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Anabantaria;Synbranchiformes;Synbranchioidei;Synbranchidae;Monopterus;Monopterus albus

rphata;Euacanthomorpha;Percomorphaceae;Anabantaria;Synbranchiformes;Synbranchioidei;Synbranchidae;Monopterus;Monopterus albus

UdeM00000020210 29159 413.3 UdeM00000020210 XP_034336544.1 43.8 516
264 4 36 550 9 499 4.90E-112 413.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020212 6596 247.3 UdeM00000020212 XP_045173703.1 51.3 228
107 2 37 261 23 249 2.20E-62 247.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020213 6596 89 UdeM00000020213 XP_045186357.1 65.1 63
22 0 30 92 523 585 3.50E-15 89 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020214 6596 343.2 UdeM00000020214 XP_045173703.1 46.1 382
183 6 3 381 2 363 4.30E-91 343.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020215 1735272 391.3 UdeM00000020215 XP_041347380.1 57.3
349 134 3 607 941 393 740 3.40E-105 391.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
Gigantopelta;Gigantopelta aegis

UdeM00000020216 8167 87.8 UdeM00000020216 XP_028447363.1 29.9 147
90 2 80 223 693 829 2.50E-14 87.8 8167 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;
Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;
Eupercaria;Perciformes;Percoidae;Percidae;Percinae;Perca;Perca flavescens

UdeM00000020217 225164 241.5 UdeM00000020217 XP_009059846.1 56.5
184 80 0 22 205 94 277 9.50E-61 241.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;
Lottia;Lottia gigantea

UdeM00000020218 6596 407.1 UdeM00000020218 XP_045172179.1 39.3 608
324 10 7 578 11 609 3.70E-110 407.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020220 6596 437.2 UdeM00000020220 XP_045172756.1 59 334
135 2 1 334 1 332 1.90E-119 437.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020221	6579	1532.3	UdeM00000020221	XP_033747284.1	85				
940	127	4	1	926	1	940	0.00E+00	1532.3	6579

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020222	6579	267.7	UdeM00000020222	XP_033760741.1	57.3	232			
96	2	1	230	1	231	1.40E-68	267.7	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020223	7574	129	UdeM00000020223	XP_013388171.1	48.1	133			
61	5	167	298	1528	1653	9.90E-27	129	7574	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000020224	6596	231.1	UdeM00000020224	XP_045173249.1	33	451			
272	9	123	544	331	780	3.50E-57	231.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020225	29159	232.6	UdeM00000020225	XP_034336072.1	31.6	478			
307	11	155	626	1823	2286	1.30E-57	232.6	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020226	46514	170.2	UdeM00000020226	XP_038073561.1	52.8	142			
67	0	65	206	9	150	2.70E-39	170.2	46514	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000020227	6565	231.5	UdeM00000020227	XP_022343207.1	31.7	492			
304	17	19	492	23	500	2.70E-57	231.5	6565	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020228	6596	226.1	UdeM00000020228	XP_045173249.1	31.8	471			
289	10	109	549	312	780	1.10E-55	226.1	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020229	6596	89.4	UdeM00000020229	XP_045169650.1	28.3	223			
154	5	3	220	311	532	6.40E-15	89.4	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020230	29159	235.7	UdeM00000020230	XP_034336072.1	31.6	509			
282	13	55	517	48	536	1.40E-58	235.7	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000020231 6596 79.7 UdeM00000020231 XP_045167059.1 37.6 93
58 0 80 172 730 822 4.30E-12 79.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020232 6596 555.8 UdeM00000020232 XP_045191538.1 57.9 428
173 4 1 423 2 427 5.00E-155 555.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020233 6596 849.7 UdeM00000020233 XP_045191531.1 39.4 1136
648 11 3 1110 6 1129 4.10E-243 849.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020234 6596 75.1 UdeM00000020234 XP_045171989.1 40 90
53 1 40 128 869 958 7.50E-11 75.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020236 6596 168.3 UdeM00000020236 XP_045173288.1 32.1 549
347 8 42 574 1 539 2.90E-38 168.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020237 6596 156.8 UdeM00000020237 XP_045173288.1 31.8 538
341 8 40 561 12 539 8.40E-35 156.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020238 37653 641.7 UdeM00000020238 XP_014769943.1 82.1 369
62 2 10 378 8 372 5.70E-181 641.7 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000020239 6596 284.6 UdeM00000020239 XP_045200044.1 42 338
180 4 57 389 70 396 1.80E-73 284.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020240 29159 563.5 UdeM00000020240 XP_011438339.2 77.1 363
83 0 1 363 1 363 1.90E-157 563.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000020241 6596 579.7 UdeM00000020241 XP_045172527.1 80.6 360
69 1 4 362 30 389 2.60E-162 579.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020242 6596 1795.4 UdeM00000020242 XP_045171838.1 49.9
1791 865 11 3 1781 6 1775 0.00E+00 1795.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020244 6596 401 UdeM00000020244 XP_045192075.1 63.8 293
102 3 1 293 1 289 1.30E-108 401 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020243 6596 295.4 UdeM00000020243 XP_045192075.1 59.1 235
92 3 48 282 59 289 7.60E-77 295.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020245 6565 611.7 UdeM00000020245 XP_022343885.1 70.3 414
122 1 1 414 75 487 7.00E-172 611.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000020246 2587831 67.8 UdeM00000020246 XP_024050270.2 35.8
109 61 4 40 148 98 197 5.60E-08 67.8 2587831
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Em
ydididae;Terrapene;Terrapene carolina;Terrapene carolina triunguis
UdeM00000020247 6596 101.7 UdeM00000020247 XP_045171999.1 37.7 199
92 8 23 219 11 179 1.30E-18 101.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020248 6596 312.4 UdeM00000020248 XP_045171999.1 56.4 250
107 1 1 248 166 415 5.20E-82 312.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020249 6596 969.1 UdeM00000020249 XP_045173589.1 66.6 718
227 7 1 714 1 709 3.00E-279 969.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020250 6596 690.3 UdeM00000020250 XP_045173589.1 70.9 492
128 6 1 489 743 1222 1.90E-195 690.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020252 6596 473 UdeM00000020252 XP_045173589.1 64 372
107 7 20 376 1199 1558 3.50E-130 473 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020253 6573 384.8 UdeM00000020253 XP_021357156.1 84.8 211
32 0 1 211 1 211 7.10E-104 384.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020254 1735272 204.1 UdeM00000020254 XP_041374927.1 67.6
139 45 0 2 140 1215 1353 1.10E-49 204.1 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020255 6579 310.1 UdeM00000020255 XP_033748920.1 58.2 249
102 1 1 247 230 478 2.60E-81 310.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020256 6596 347.1 UdeM00000020256 XP_045171083.1 69.4 235
71 1 30 264 77 310 2.10E-92 347.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020257 6596 514.6 UdeM00000020257 XP_045173405.1 53.1 495
198 7 1 469 1 487 1.30E-142 514.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020258 6573 943.7 UdeM00000020258 XP_021366042.1 45.8 1217
517 25 4 1124 1 1170 2.10E-271 943.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020259 29159 130.6 UdeM00000020259 XP_011415195.2 34.8 198
123 4 51 246 54 247 4.70E-27 130.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020260 6579 64.7 UdeM00000020260 XP_033758492.1 50.8 65
 30 2 17 80 519 582 6.30E-08 64.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020261 6596 244.6 UdeM00000020261 XP_045174032.1 37.3 448
 194 9 18 406 20 439 2.20E-61 244.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020262 6596 200.3 UdeM00000020262 XP_045174032.1 35.1 419
 185 9 1 360 49 439 4.20E-48 200.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020263 6579 1517.7 UdeM00000020263 XP_033748734.1 75.1
 1073 225 14 3 1043 45 1107 0.00E+00 1517.7 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020264 6596 1520.4 UdeM00000020264 XP_045173926.1 73.5
 1100 232 12 3 1045 56 1152 0.00E+00 1520.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020265 6579 1509.2 UdeM00000020265 XP_033748734.1 74.9
 1073 225 15 3 1041 45 1107 0.00E+00 1509.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020267 6579 861.3 UdeM00000020267 XP_033748732.1 77.1 537
 123 0 4 540 2 538 6.60E-247 861.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020266 6565 963.8 UdeM00000020266 XP_022344839.1 77.3 608
 135 1 8 615 6 610 1.10E-277 963.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020268 2607531 59.7 UdeM00000020268 XP_036360707.1 27.8
 90 61 1 71 156 81 170 3.90E-06 59.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000020274 6850 274.2 UdeM00000020274 XP_013772624.1 83.8 154
 25 0 1 154 1 154 9.80E-71 274.2 6850 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limulidae;Limulus;Limulus polyphemus

UdeM00000020275 6596 152.9 UdeM00000020275 XP_045208329.1 32.9 286
179 8 161 440 191 469 1.10E-33 152.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020276 6596 1092.4 UdeM00000020276 XP_045189898.1 32.5
2024 1109 41 237 2044 287 2269 0.00E+00 1092.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020277 6596 1075.5 UdeM00000020277 XP_045209202.1 37.2
1620 902 31 241 1775 636 2225 0.00E+00 1075.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020278 6596 1268.4 UdeM00000020278 XP_045189898.1 35.2
2038 1152 43 270 2184 278 2269 0.00E+00 1268.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020279 6596 132.5 UdeM00000020279 XP_045208329.1 31 287
183 8 170 449 191 469 1.50E-27 132.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020280 151771 179.1 UdeM00000020280 XP_028406951.1 32
353 157 6 3 275 148 497 8.10E-42 179.1 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000020281 1529436 146.7 UdeM00000020281 XP_033095325.1 41.7
175 99 2 6 180 41 212 2.80E-32 146.7 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000020284 6596 923.3 UdeM00000020284 XP_045172081.1 71.6 651
168 5 1 651 1 634 1.70E-26 923.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020285 29159 136.7 UdeM00000020285 XP_034317366.1 59 122
 48 1 16 137 1155 1274 3.80E-29 136.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020286 6565 160.2 UdeM00000020286 XP_022299727.1 39.5 233
 96 3 1 189 46 277 2.90E-36 160.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020288 6596 59.7 UdeM00000020288 XP_045171879.1 34 141
 70 3 1 118 3 143 5.00E-06 59.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020289 6596 465.3 UdeM00000020289 XP_045171879.1 47.2 709
 340 6 1 685 3 701 1.30E-127 465.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020290 6596 455.7 UdeM00000020290 XP_045171879.1 52.7 471
 213 2 237 707 241 701 1.10E-124 455.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020291 6596 320.9 UdeM00000020291 XP_045157494.1 31.5 711
 432 16 6 676 5 700 4.00E-84 320.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020292 6596 243 UdeM00000020292 XP_045173413.1 45.2 292
 144 4 429 705 63 353 1.10E-60 243 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020292 6596 59.3 UdeM00000020292 XP_045173413.1 41.3 63
 37 0 1 63 1 63 2.30E-05 59.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020293 6596 1655.6 UdeM00000020293 XP_045174005.1 52.8
 2370 971 23 6 2344 9 2262 0.00E+00 1655.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020294 6596 503.8 UdeM00000020294 XP_045172454.1 61.7 399
 151 2 5 402 160 557 2.00E-139 503.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020295 6596 707.6 UdeM00000020295 XP_045172454.1 63.3 556
 201 3 5 559 4 557 1.30E-200 707.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020296 6596 110.9 UdeM00000020296 XP_045172454.1 65.5 84
 28 1 5 88 4 86 1.20E-21 110.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020297 6579 359 UdeM00000020297 XP_033748891.1 56.2 324
 139 2 3 323 2 325 6.40E-96 359 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020298 6579 359 UdeM00000020298 XP_033748891.1 56.2 324
 139 2 34 354 2 325 7.00E-96 359 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020299 6565 193.4 UdeM00000020299 XP_022336939.1 55.5 173
 72 3 3 172 1 171 2.50E-46 193.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020300 6596 78.6 UdeM00000020300 XP_045171823.1 24.5 396
 233 10 45 437 26 358 3.50E-11 78.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020302 6579 723.8 UdeM00000020302 XP_033748831.1 66.7 510
 169 1 23 532 15 523 1.60E-205 723.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020303 6596 597.8 UdeM00000020303 XP_045171834.1 70.9 419
 105 6 1 417 1 404 1.00E-167 597.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020304 6596 188.3 UdeM00000020304 XP_045172907.1 36.8 266
 159 4 1 265 1 258 1.20E-44 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020311 46514 71.2 UdeM00000020311 XP_038075987.1 41.4 70
 40 1 54 123 633 701 1.10E-09 71.2 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000020312 6596 241.9 UdeM00000020312 XP_045173249.1 32.5 529
 307 14 428 918 284 800 3.20E-60 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020313 1735272 74.7 UdeM00000020313 XP_041347591.1 40.7
 81 46 1 102 182 75 153 1.40E-10 74.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020316 29159 73.6 UdeM00000020316 XP_034302097.1 39.6 96
 54 1 2 97 533 624 1.80E-10 73.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020317 6596 95.9 UdeM00000020317 XP_045176140.1 45.1 113
 55 2 4 109 16 128 5.80E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020319 6596 99.4 UdeM00000020319 XP_045176140.1 42.9 126
 64 3 2 119 4 129 4.30E-18 99.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020320 29159 91.3 UdeM00000020320 XP_034302097.1 37.7 138
 79 2 2 139 533 663 1.20E-15 91.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020322 6596 208.4 UdeM00000020322 XP_045173249.1 40.7 280
 154 4 114 381 331 610 1.70E-50 208.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020323 6596 58.2 UdeM00000020323 XP_045157494.1 42.7 75
 37 1 6 74 5 79 5.60E-06 58.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020324 6596 184.9 UdeM00000020324 XP_045157317.1 32.9 346
 210 4 5 333 190 530 1.70E-43 184.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020325 6596 98.2 UdeM00000020325 XP_045157494.1 26.9 238
 150 3 1 218 298 531 1.40E-17 98.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020326 6596 70.9 UdeM00000020326 XP_045201869.1 35.1 114
 71 2 1 111 584 697 1.30E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020327 6596 331.6 UdeM00000020327 XP_045157311.1 32.1 691
 420 14 6 656 5 686 2.20E-87 331.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020328 6596 83.2 UdeM00000020328 XP_045173729.1 41.2 97
 54 2 8 104 84 177 2.50E-13 83.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020330 225164 79 UdeM00000020330 XP_009066057.1 34.6
 127 70 5 100 224 72 187 9.00E-12 79 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000020332 1735272 79 UdeM00000020332 XP_041346707.1 35.6
 118 68 4 100 214 94 206 9.00E-12 79 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020333 6596 84.7 UdeM00000020333 XP_045173729.1 42.3 97
 53 2 8 104 84 177 8.50E-14 84.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020335 1735272 79.3 UdeM00000020335 XP_041346707.1 35.6
 118 68 4 65 179 94 206 5.80E-12 79.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020336 6596 96.7 UdeM00000020336 XP_045173729.1 36.7 177
 97 6 8 181 13 177 3.60E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020338 225164 78.6 UdeM00000020338 XP_009066057.1 33.9
 127 71 5 100 224 72 187 1.20E-11 78.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000020339 6596 88.6 UdeM00000020339 XP_045173729.1 34.9 186
 100 8 3 181 6 177 9.70E-15 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020340 6596 78.2 UdeM00000020340 XP_045172412.1 30.4 194
 80 6 38 197 23 195 1.30E-11 78.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020341 1735272 77.4 UdeM00000020341 XP_041347591.1 36.1
 108 63 3 79 182 48 153 2.10E-11 77.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020342 7739 81.3 UdeM00000020342 XP_035667800.1 42.9 84
 46 2 2 84 238 320 6.90E-13 81.3 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000020343 6579 1380.2 UdeM00000020343 XP_033749003.1 68.4
 937 281 3 1 933 1 926 0.00E+00 1380.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020344 6579 221.1 UdeM00000020344 XP_033749003.1 74.4 125
 32 0 1 125 765 889 8.10E-55 221.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020345 6596 129.8 UdeM00000020345 XP_045194227.1 47.9 140
 71 2 1 139 1 139 3.50E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020346 6596 613.2 UdeM00000020346 XP_045171761.1 48.1 653
 310 9 6 645 21 657 3.70E-17 613.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020347 6596 569.3 UdeM00000020347 XP_045172974.1 63.9 457
133 4 42 467 61 516 4.50E-159 569.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020348 6596 354 UdeM00000020348 XP_045171739.1 40.3 484
258 6 28 509 126 580 3.20E-94 354 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020349 6596 678.3 UdeM00000020349 XP_045197768.1 61.2 520
196 3 27 541 34 552 7.90E-192 678.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020350 6596 272.3 UdeM00000020350 XP_045157540.1 32.6 596
356 13 7 569 6 588 1.40E-69 272.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020351 6596 88.2 UdeM00000020351 XP_045173969.1 36.1 119
70 2 4 116 3 121 7.50E-15 88.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020352 6565 58.5 UdeM00000020352 XP_022307035.1 34.7 98
62 1 1 96 301 398 8.10E-06 58.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020353 6596 351.3 UdeM00000020353 XP_045171739.1 40.7 489
256 6 22 509 125 580 2.10E-93 351.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020354 6596 667.9 UdeM00000020354 XP_045197768.1 58.2 545
218 3 1 541 14 552 1.10E-188 667.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020355 6596 88.2 UdeM00000020355 XP_045212714.1 39.8 113
63 2 4 111 3 115 9.20E-15 88.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020356 6596 233.8 UdeM00000020356 XP_045170739.1 27.9 699
338 14 5 540 4 699 5.20E-58 233.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020357 6596 75.1 UdeM00000020357 XP_045190162.1 44.9 69
37 1 14 81 52 120 4.60E-11 75.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020358 6579 88.2 UdeM00000020358 XP_033749197.1 45.6 90
49 0 2 91 266 355 6.20E-15 88.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020359 6596 106.7 UdeM00000020359 XP_045179230.1 32.3 263
165 6 4 257 437 695 4.60E-20 106.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020360 6596 102.1 UdeM00000020360 XP_045170739.1 33.5 218
131 4 95 298 482 699 1.30E-18 102.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020361 6596 84 UdeM00000020361 XP_045156343.1 29.5 258
136 6 65 285 449 697 3.60E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020362 6596 102.8 UdeM00000020362 XP_045157539.1 27.5 375
232 14 6 352 337 699 9.10E-19 102.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020363 6596 154.1 UdeM00000020363 XP_045201869.1 35.2 247
152 4 4 242 3 249 2.30E-34 154.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020364 6596 97.1 UdeM00000020364 XP_045179230.1 33.1 242
143 9 51 278 446 682 4.00E-17 97.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020365 6596 99.8 UdeM00000020365 XP_045173969.1 36.8 133
 78 2 4 130 3 135 2.80E-18 99.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020366 6596 90.5 UdeM00000020366 XP_045162336.1 44.3 97
 52 1 56 150 38 134 2.10E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020367 6596 130.2 UdeM00000020367 XP_045171739.1 48.9 135
 65 3 28 160 126 258 2.40E-27 130.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020370 6596 576.6 UdeM00000020370 XP_045197768.1 58.5 477
 194 2 3 475 76 552 2.80E-161 576.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020371 6596 522.3 UdeM00000020371 XP_045197768.1 60.5 418
 163 1 1 416 135 552 5.60E-145 522.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020372 6596 309.7 UdeM00000020372 XP_045157540.1 32.2 714
 420 19 7 678 6 697 9.30E-81 309.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020373 6596 91.7 UdeM00000020373 XP_045170739.1 41 117
 64 2 5 116 4 120 6.80E-16 91.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020376 6596 89.7 UdeM00000020376 XP_045162336.1 45.4 97
 51 1 56 150 38 134 3.60E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020377 6596 90.9 UdeM00000020377 XP_045162336.1 43.3 97
 53 1 90 184 38 134 2.00E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020378 2607531 86.7 UdeM00000020378 XP_029650009.1 30.9
178 102 7 6 180 13 172 3.50E-14 86.7 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000020379 6596 88.6 UdeM00000020379 XP_045162336.1 42.4 99
51 2 20 114 38 134 6.30E-15 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020380 6596 82.4 UdeM00000020380 XP_045162336.1 39.2 97
57 1 6 100 38 134 4.00E-13 82.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020381 6596 91.3 UdeM00000020381 XP_045162336.1 43.3 97
53 1 90 184 38 134 1.50E-15 91.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020382 2607531 86.7 UdeM00000020382 XP_029650009.1 30.9
178 102 7 6 180 13 172 3.50E-14 86.7 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000020383 37653 82.8 UdeM00000020383 XP_014769327.1 26.1 188
122 5 1 187 34 205 5.10E-13 82.8 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000020384 1735272 431.8 UdeM00000020384 XP_041349689.1 70.8
305 82 3 1 298 1 305 7.20E-118 431.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020385 441366 251.5 UdeM00000020385 XP_028296753.1 43
342 178 9 6 345 32 358 1.60E-63 251.5 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
willdenowi

UdeM00000020386 105023 179.5 UdeM00000020386 XP_015828284.1 46
 215 104 4 7 217 151 357 4.80E-42 179.5 105023
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc
 hius furzeri
 UdeM00000020387 6596 444.9 UdeM00000020387 XP_045171756.1 72.5 306
 84 0 1 306 1 306 8.30E-122 444.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020388 6596 116.7 UdeM00000020388 XP_045173969.1 33.9 218
 129 7 4 211 3 215 3.60E-23 116.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020389 6596 98.2 UdeM00000020389 XP_045170739.1 31.5 248
 150 5 2 235 458 699 1.50E-17 98.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020390 6596 279.3 UdeM00000020390 XP_045199387.1 31.8 601
 354 13 4 566 3 585 1.20E-71 279.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020391 400727 457.6 UdeM00000020391 XP_025089219.1 73.4
 308 77 3 1 305 1 306 1.20E-125 457.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000020393 6596 416 UdeM00000020393 XP_045166063.1 47 570
 266 10 1 555 1 549 7.50E-113 416 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020394 6573 446 UdeM00000020394 XP_021359781.1 47.7 560
 241 7 15 553 4 532 6.80E-122 446 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020395 6573 444.9 UdeM00000020395 XP_021359781.1 47.9 560
 240 7 15 553 4 532 1.50E-121 444.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020397 6596 59.3 UdeM00000020397 XP_045173239.1 35.6 104
66 1 8 110 493 596 3.70E-06 59.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020398 6596 255.4 UdeM00000020398 XP_045157311.1 32.6 485
299 10 6 468 5 483 1.50E-64 255.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020399 6579 247.7 UdeM00000020399 XP_033747900.1 54.1 244
105 2 1 237 5 248 1.60E-62 247.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020400 6579 263.8 UdeM00000020400 XP_033747900.1 55.6 248
103 2 1 241 5 252 2.20E-67 263.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020401 46514 144.4 UdeM00000020401 XP_038075667.1 35.9 237
131 5 2 227 340 566 2.20E-31 144.4 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000020402 6579 251.5 UdeM00000020402 XP_033747900.1 55.2 261
113 3 1 258 5 264 1.20E-63 251.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020403 6596 94.4 UdeM00000020403 XP_045166258.1 45 109
55 2 12 120 154 257 1.10E-16 94.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020404 6596 114.4 UdeM00000020404 XP_045166065.1 22.2 505
275 10 44 437 1 498 3.80E-22 114.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020405 6596 114 UdeM00000020405 XP_045166065.1 22.2 505
275 10 1 394 1 498 4.50E-22 114 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020406 6565 84 UdeM00000020406 XP_022288334.1 29.1 134
94 1 32 165 483 615 2.20E-13 84 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000020407 6596 128.3 UdeM00000020407 XP_045166065.1 23.3 506
282 9 1 407 1 499 2.40E-26 128.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000020408 6596 120.2 UdeM00000020408 XP_045166065.1 22.1 503
221 8 1 336 1 499 5.40E-24 120.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000020409 29159 115.2 UdeM00000020409 XP_019930309.2 49.1 106
51 1 4 109 40 142 5.40E-23 115.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000020410 1735272 135.6 UdeM00000020410 XP_041367601.1 51.5
132 57 1 1 125 278 409 6.30E-29 135.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel

UdeM00000020412 6596 116.3 UdeM00000020412 XP_045166065.1 21.9 503
222 8 1 336 1 499 7.80E-23 116.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000020413 29159 115.2 UdeM00000020413 XP_019930309.2 49.1 106
51 1 4 109 40 142 5.40E-23 115.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000020414 29159 106.3 UdeM00000020414 XP_019930309.2 47.6 103
51 1 4 106 40 139 2.80E-20 106.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000020416 1735272 57.8 UdeM00000020416 XP_041367601.1 57.8
45 19 0 1 45 278 322 7.00E-06 57.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel

UdeM00000020417 6596 306.6 UdeM00000020417 XP_045166065.1 36 517
312 5 1 516 1 499 6.10E-80 306.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

UdeM00000020418 6573 470.7 UdeM00000020418 XP_021346339.1 57.4 516
 186 10 1 506 1 492 2.30E-129 470.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020419 29159 357.1 UdeM00000020419 XP_011414172.1 92.3 182
 14 0 1 182 1 182 1.40E-95 357.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020421 50429 68.6 UdeM00000020421 XP_022804186.1 42.2 83
 45 1 1 80 430 512 5.60E-09 68.6 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000020422 1608454 290 UdeM00000020422 XP_016355543.1 58.1
 241 101 0 1 241 114 354 2.70E-75 290 1608454
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 ideii;Cyprinidae;Cyprininae;Sinocyclocheilus;Sinocyclocheilus anshuiensis
 UdeM00000020424 6573 82.8 UdeM00000020424 XP_021346340.1 41.9 129
 64 5 23 141 141 268 1.00E-12 82.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020423 6573 203.8 UdeM00000020423 XP_021346340.1 43.8 281
 133 8 1 269 1 268 5.20E-49 203.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020425 6596 144.8 UdeM00000020425 XP_045173552.1 53.6 138
 54 3 1 132 1 134 9.40E-32 144.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020430 6579 62.8 UdeM00000020430 XP_033748706.1 33.1 139
 82 5 6 134 134 271 1.40E-06 62.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020432 6596 1412.1 UdeM00000020432 XP_045170938.1 64.8
 1099 290 6 1 1016 1 1085 0.00E+00 1412.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020433 6596 572.8 UdeM00000020433 XP_045172557.1 56.6 555
 216 8 2 541 5 549 4.80E-160 572.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020434 6596 382.1 UdeM00000020434 XP_045173415.1 63.7 281
101 1 4 284 2 281 6.20E-103 382.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020435 6596 383.6 UdeM00000020435 XP_045173414.1 63.8 282
101 1 4 285 2 282 2.10E-103 383.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020436 6596 815.1 UdeM00000020436 XP_045173995.1 74.7 530
132 2 77 605 69 597 6.10E-233 815.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020437 6596 778.5 UdeM00000020437 XP_045173995.1 64.7 612
132 3 77 687 69 597 7.10E-222 778.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020438 6596 416.4 UdeM00000020438 XP_045173995.1 67.3 315
94 3 11 324 40 346 3.40E-113 416.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020439 6579 828.9 UdeM00000020439 XP_033747701.1 70.9 561
155 6 6 559 3 562 3.80E-237 828.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020440 6596 285.8 UdeM00000020440 XP_045171108.1 50.9 265
121 6 25 285 29 288 6.00E-74 285.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020447 1735272 209.9 UdeM00000020447 XP_041347439.1 33.7
344 205 5 718 1051 319 649 1.80E-50 209.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020448 6579 224.2 UdeM00000020448 XP_033748087.1 42 281
161 2 1 281 129 407 2.10E-55 224.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020449 6579 251.1 UdeM00000020449 XP_033739209.1 50.2 257
112 2 9 260 2 247 1.50E-63 251.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020450 6596 114.4 UdeM00000020450 XP_045188277.1 31.3 214
137 3 2 214 79 283 1.80E-22 114.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020451 6573 117.5 UdeM00000020451 XP_021346496.1 52.5 101
48 0 1 101 435 535 1.80E-23 117.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020452 6596 67.4 UdeM00000020452 XP_045159777.1 48.7 78
37 1 8 85 34 108 1.20E-08 67.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020453 6596 209.9 UdeM00000020453 XP_045173779.1 50.5 188
90 1 4 191 15 199 3.00E-51 209.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020456 6596 192.2 UdeM00000020456 XP_045173779.1 48.6 183
94 0 2 184 11 193 6.30E-46 192.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020457 6596 522.3 UdeM00000020457 XP_045172193.1 54 507
126 5 14 518 7 408 6.90E-145 522.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020458 6573 506.5 UdeM00000020458 XP_021374391.1 38.7 654
392 5 13 660 11 661 5.30E-140 506.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020459 6596 1027.3 UdeM00000020459 XP_045171328.1 64.5
798 271 5 37 822 30 827 1.10E-296 1027.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020460 6596 86.3 UdeM00000020460 XP_045171331.1 55 100
 44 1 1 99 1 100 2.50E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020462 6596 776.9 UdeM00000020462 XP_045171321.1 60.4 671
 251 9 24 685 42 706 2.10E-221 776.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020461 6596 1055.4 UdeM00000020461 XP_045171326.1 60.7
 903 335 12 24 915 42 935 4.00E-305 1055.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020463 6596 87.8 UdeM00000020463 XP_045157636.1 23.4 384
 275 9 487 865 11 380 9.90E-14 87.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020464 1735272 282.3 UdeM00000020464 XP_041347899.1 47.1
 272 136 2 1 272 11 274 6.40E-73 282.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020465 225164 281.6 UdeM00000020465 XP_009043655.1 49.1
 273 127 4 1 272 1 262 1.10E-72 281.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000020466 6596 154.1 UdeM00000020466 XP_045172793.1 59.3 118
 48 0 38 155 70 187 1.50E-34 154.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020467 1735272 297.4 UdeM00000020467 XP_041347899.1 50.2
 271 127 3 1 271 11 273 1.90E-77 297.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020468 6596 369.8 UdeM00000020468 XP_045172178.1 58.7 298
 121 1 96 391 118 415 4.40E-99 369.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020470 6596 386 UdeM00000020470 XP_045171199.1 63.1 282
104 0 36 317 111 392 4.80E-104 386 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020471 6596 377.5 UdeM00000020471 XP_045171203.1 54.3 346
154 1 60 405 37 378 2.20E-101 377.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020472 400727 168.3 UdeM00000020472 XP_025092779.1 59.1
132 54 0 1 132 1 132 6.60E-39 168.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000020473 202533 149.8 UdeM00000020473 XP_035218899.1 42.6
169 93 1 1 165 298 466 3.00E-33 149.8 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000020474 7054 162.9 UdeM00000020474 XP_031350379.1 38.1 265
144 6 1 245 1 265 5.10E-37 162.9 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000020475 1735272 420.6 UdeM00000020475 XP_041374187.1 52.4
424 181 7 4 426 55 458 2.30E-114 420.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020476 6596 279.3 UdeM00000020476 XP_045199387.1 29.2 739
440 17 3 704 4 696 1.40E-71 279.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020477 6565 142.1 UdeM00000020477 XP_022314529.1 64.5 107
34 1 4 106 5 111 5.40E-31 142.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020478 6565 77.4 UdeM00000020478 XP_022314529.1 47.4 78
37 1 4 77 5 82 8.90E-12 77.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020480 7604 242.7 UdeM00000020480 XP_033641066.1 60.6 180
 71 0 1 180 155 334 4.40E-61 242.7 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea
 UdeM00000020482 6579 158.3 UdeM00000020482 XP_033752673.1 52.8 159
 47 1 1 131 493 651 6.80E-36 158.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020481 6579 313.2 UdeM00000020481 XP_033752673.1 56.2 276
 93 1 4 251 376 651 3.10E-82 313.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020484 225164 100.9 UdeM00000020484 XP_009058199.1 50.5
 105 45 2 1 105 1 98 1.00E-18 100.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000020486 6596 60.5 UdeM00000020486 XP_045185033.1 32.2 115
 71 2 11 125 128 235 2.90E-06 60.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020487 2652724 172.6 UdeM00000020487 XP_020913146.1 49
 194 98 1 166 359 177 369 1.20E-39 172.6 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000020488 400727 288.1 UdeM00000020488 XP_025089561.1 48.7
 300 146 5 11 304 16 313 1.40E-74 288.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000020489 6596 351.3 UdeM00000020489 XP_045171893.1 56.2 304
 113 4 7 304 3 292 1.30E-93 351.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020494 225164 97.8 UdeM00000020494 XP_009053806.1 22.3
 408 274 10 192 577 98 484 5.80E-17 97.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000020495 6573 107.1 UdeM00000020495 XP_021350433.1 21.8 524
 354 17 171 660 416 917 1.20E-19 107.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020496 225164 95.5 UdeM00000020496 XP_009053806.1 21.1
402 286 9 163 548 98 484 2.80E-16 95.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000020497 6573 207.2 UdeM00000020497 XP_021376918.1 64.6 161
50 2 1 154 1 161 1.60E-50 207.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020498 10224 139.4 UdeM00000020498 XP_006813844.1 43.8 160
90 0 1 160 128 287 4.00E-30 139.4 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii
UdeM00000020499 10224 141.4 UdeM00000020499 XP_006813844.1 43.8 162
91 0 2 163 126 287 1.10E-30 141.4 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii
UdeM00000020500 6596 315.5 UdeM00000020500 XP_045171119.1 81.5 195
35 1 1 194 327 521 4.80E-83 315.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020501 6579 125.9 UdeM00000020501 XP_033736239.1 34.4 189
78 2 1 145 69 255 4.10E-26 125.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020502 6565 134 UdeM00000020502 XP_022299727.1 50 134
66 1 29 162 145 277 1.90E-28 134 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000020503 6596 1139 UdeM00000020503 XP_045171990.1 50.7 1118
540 6 1 1108 285 1401 0.00E+00 1139 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020509 6573 273.5 UdeM00000020509 XP_021374679.1 48.9 272
133 4 1 271 1 267 3.00E-70 273.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000020510 6596 578.9 UdeM00000020510 XP_045156181.1 44.1 735
373 16 32 749 28 741 9.10E-162 578.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000020511 6596 407.5 UdeM00000020511 XP_045172179.1 37.1 630
 331 10 3 595 9 610 2.90E-110 407.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020512 1735272 324.7 UdeM00000020512 XP_041350263.1 54.7
 316 128 4 84 397 128 430 1.90E-85 324.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020513 6596 408.3 UdeM00000020513 XP_045172179.1 37.9 610
 338 9 5 581 9 610 1.70E-110 408.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020515 7574 154.1 UdeM00000020515 XP_013419285.1 83.8 80
 13 0 1 80 143 222 7.80E-35 154.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000020516 158441 136.3 UdeM00000020516 XP_021948043.1 40.6
 175 96 4 1 169 160 332 4.40E-29 136.3 158441
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Coll
 embola;Entomobryomorpha;Isotomoidea;Isotomidae;Proisotominae;Folsomia;Fol
 somia candida
 UdeM00000020517 400682 59.3 UdeM00000020517 XP_003390251.1 30.5
 131 78 3 12 138 432 553 5.30E-06 59.3 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000020518 6596 183.7 UdeM00000020518 XP_045174098.1 78.2 119
 23 2 7 123 11 128 1.70E-43 183.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020519 6596 372.5 UdeM00000020519 XP_045213689.1 51 349
 164 3 1 346 1 345 6.00E-100 372.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020520 6596 369 UdeM00000020520 XP_045213689.1 50.7 349
 164 3 1 346 1 344 6.60E-99 369 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020521 6596 1112.4 UdeM00000020521 XP_045175519.1 59.6
1048 358 11 10 1037 13 1015 0.00E+00 1112.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020523 6565 1068.5 UdeM00000020523 XP_022305018.1 61.7
989 315 13 10 976 5 951 0.00E+00 1068.5 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020524 6573 441.4 UdeM00000020524 XP_021353952.1 57.6 340
141 3 1 339 1 338 1.00E-120 441.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020525 6596 384 UdeM00000020525 XP_045156247.1 37.8 596
275 9 8 539 192 755 3.10E-103 384 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020526 6596 471.9 UdeM00000020526 XP_045173472.1 56.8 405
160 3 53 457 2 391 9.60E-130 471.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020527 6596 504.2 UdeM00000020527 XP_045171685.1 54.2 474
198 8 8 478 9 466 1.90E-139 504.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020528 6596 490.7 UdeM00000020528 XP_045171685.1 56.2 416
170 5 9 419 10 418 2.10E-135 490.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020529 6596 510.8 UdeM00000020529 XP_045173472.1 60.5 400
143 3 58 457 7 391 1.90E-141 510.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020530 6596 507.3 UdeM00000020530 XP_045171412.1 55.2 471
209 2 1 470 6 475 2.10E-140 507.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020532 1735272 926.8 UdeM00000020532 XP_041348001.1 51.9
994 376 12 60 964 13 993 2.30E-266 926.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020533 6596 130.2 UdeM00000020533 XP_045185797.1 20.2 1197
653 38 1 1045 25 1071 2.10E-26 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020534 7888 119.8 UdeM00000020534 XP_043909670.1 34.4 212
120 7 52 253 1482 1684 5.30E-24 119.8 7888 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes
;Lepidosirenoidei;Protopteridae;Protopterus;Protopterus annectens

UdeM00000020535 7888 111.7 UdeM00000020535 XP_043909670.1 31.9 207
123 6 51 248 1487 1684 1.40E-21 111.7 7888 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes
;Lepidosirenoidei;Protopteridae;Protopterus;Protopterus annectens

UdeM00000020536 6596 887.9 UdeM00000020536 XP_045172123.1 76.3 575
135 1 1 575 1 574 7.00E-255 887.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020537 6596 709.5 UdeM00000020537 XP_045172123.1 62.5 568
210 2 10 577 10 574 3.40E-201 709.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020538 6579 229.9 UdeM00000020538 XP_033748174.1 64.9 168
59 0 5 172 12 179 2.40E-57 229.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020539 1735272 84 UdeM00000020539 XP_041348879.1 39.5
129 76 1 13 139 4 132 1.70E-13 84 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020540 6596 108.6 UdeM00000020540 XP_045196439.1 22.3 750
439 28 17 732 443 1082 5.10E-20 108.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020541	441366	142.9	UdeM00000020541	XP_028322868.1	28.7				
408	242	11	119	507	193	570	1.30E-30	142.9	441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocinae;Gouania;Gouania

willdenowi

UdeM00000020542	225164	155.2	UdeM00000020542	XP_009051407.1	36.4				
253	152	4	382	626	174	425	2.70E-34	155.2	225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000020543	2607531	67	UdeM00000020543	XP_029650987.1	46.9				
64	34	0	108	171	355	418	2.60E-08	67	2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000020544	6596	122.5	UdeM00000020544	XP_045171947.1	39.8	161			
91	2	311	471	181	335	1.50E-24	122.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020546	1735272	163.7	UdeM00000020546	XP_041348869.1	41.3				
252	131	8	119	358	184	430	4.40E-37	163.7	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020547	6596	66.6	UdeM00000020547	XP_045173494.1	31.7	126			
80	1	12	137	16	135	2.80E-08	66.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020548	1735272	131.7	UdeM00000020548	XP_041348869.1	38.5				
208	120	6	5	209	227	429	1.10E-27	131.7	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020549	409849	164.5	UdeM00000020549	XP_033833148.1	39.2				
245	135	5	178	418	179	413	3.30E-37	164.5	409849

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala

phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Periophthalmus;Periophthalmus magnuspinnatus

UdeM00000020550 45264 424.9 UdeM00000020550 XP_044165143.1 53.6 412
168 5 42 451 35 425 1.30E-115 424.9 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000020551 45264 172.9 UdeM00000020551 XP_044184031.1 48.7 191
88 5 1 185 300 486 3.70E-40 172.9 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000020552 6573 140.2 UdeM00000020552 XP_021379897.1 39.1 238
135 5 150 385 180 409 6.10E-30 140.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020553 6573 139.8 UdeM00000020553 XP_021379897.1 38.8 242
138 5 145 384 176 409 8.00E-30 139.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020554 6596 829.3 UdeM00000020554 XP_045171947.1 67.3 620
192 2 1 619 1 610 3.20E-237 829.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020555 1735272 827 UdeM00000020555 XP_041348869.1 65.5
617 211 2 1 616 1 616 1.60E-236 827 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020556 6596 270 UdeM00000020556 XP_045174115.1 70.2 188
54 2 15 201 2 188 2.50E-69 270 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020558 6596 728.8 UdeM00000020558 XP_045171833.1 72.7 510
132 5 29 533 12 519 5.00E-207 728.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020557 6596 750.4 UdeM00000020557 XP_045171833.1 73.3 521
132 5 1 516 1 519 1.60E-213 750.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020559 37653 381.3 UdeM00000020559 XP_014780090.1 54.2 369
 137 7 157 518 146 489 3.90E-102 381.3 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000020560 6579 214.9 UdeM00000020560 XP_033731508.1 60.3 184
 68 2 26 204 607 790 9.40E-53 214.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020561 6579 149.8 UdeM00000020561 XP_033731508.1 57.6 139
 54 2 1 134 652 790 2.50E-33 149.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020562 6573 411.4 UdeM00000020562 XP_021370479.1 60.2 334
 133 0 34 367 36 369 1.20E-111 411.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020563 6573 376.7 UdeM00000020563 XP_021370479.1 49.3 408
 137 3 25 421 36 384 3.80E-101 376.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020568 29159 154.1 UdeM00000020568 XP_034339171.1 31 335
 196 10 92 413 424 736 4.10E-34 154.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020569 37653 301.2 UdeM00000020569 XP_014780101.1 44.7 356
 172 6 47 392 218 558 1.90E-78 301.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000020570 6565 125.9 UdeM00000020570 XP_022341811.1 42.4 139
 78 2 5 142 3 140 4.00E-26 125.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020571 29159 136.3 UdeM00000020571 XP_034336637.1 44.8 134
 70 1 31 160 8 141 3.40E-29 136.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020572 6579 67.8 UdeM00000020572 XP_033748524.1 37.4 99
 62 0 73 171 317 415 1.60E-08 67.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020574 6596 557 UdeM00000020574 XP_045171144.1 48.8 658
 292 12 1 628 408 1050 3.10E-155 557 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020573 6596 631.3 UdeM00000020573 XP_045171144.1 49.7 722
 317 13 1 691 344 1050 1.40E-177 631.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020576 6596 337 UdeM00000020576 XP_045171143.1 47.9 336
 167 3 4 338 3 331 2.70E-89 337 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020577 6596 557.8 UdeM00000020577 XP_045171145.1 50.2 614
 282 11 1 595 1 609 1.90E-155 557.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020579 6579 643.3 UdeM00000020579 XP_033747597.1 73.5 434
 109 3 1 428 1 434 2.90E-181 643.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020578 6579 630.6 UdeM00000020578 XP_033747593.1 71.4 441
 118 4 1 433 1 441 2.00E-177 630.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020580 6573 89 UdeM00000020580 XP_021340773.1 34.5 171
 104 4 1 166 1 168 6.30E-15 89 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020581 6596 1050 UdeM00000020581 XP_045171051.1 39.1 2893
 1309 86 51 2686 19 2715 5.00E-303 1050 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020582 6596 758.8 UdeM00000020582 XP_045172300.1 65.1 558
 187 4 1 551 1 557 4.80E-216 758.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020583 6596 446 UdeM00000020583 XP_045172299.1 74.3 284
 68 1 4 282 277 560 3.60E-122 446 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000020584 6573 608.2 UdeM00000020584 XP_021370497.1 66.9 456
 135 6 1 452 1 444 1.00E-170 608.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020585 6565 533.5 UdeM00000020585 XP_022341778.1 67.5 394
 123 3 33 424 15 405 2.50E-148 533.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000020587 6579 112.5 UdeM00000020587 XP_033748211.1 54.5 99
 43 1 5 101 4 102 3.60E-22 112.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020586 6596 327.8 UdeM00000020586 XP_045173624.1 64 242
 85 1 7 246 8 249 1.30E-86 327.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020588 400727 139.4 UdeM00000020588 XP_025092219.1 41.8
 158 91 1 6 162 5 162 4.60E-30 139.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000020589 6500 232.3 UdeM00000020589 XP_005093938.2 44.3 291
 151 6 72 358 26 309 1.00E-57 232.3 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000020590 1735272 553.9 UdeM00000020590 XP_041349388.1 45.4
 830 398 26 1 800 9 813 3.30E-154 553.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020591 1735272 555.8 UdeM00000020591 XP_041349388.1 45.2
 837 404 26 1 807 2 813 8.80E-155 555.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000020592 6573 210.3 UdeM00000020592 XP_021374706.1 43.7 318
 160 9 6 313 42 350 3.50E-51 210.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020593 6596 640.2 UdeM00000020593 XP_045173759.1 37.2 969
 522 16 10 965 6 900 4.30E-180 640.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020594 6596 853.6 UdeM00000020594 XP_045171288.1 42.4 1625
877 23 1 1609 1 1582 4.10E-244 853.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020595 6596 664.1 UdeM00000020595 XP_045172378.1 67.6 500
156 2 7 505 10 504 1.40E-187 664.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020596 6565 281.6 UdeM00000020596 XP_022340961.1 52 271
127 2 52 322 40 307 1.30E-72 281.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020598 6596 363.2 UdeM00000020598 XP_045171160.1 89.3 205
21 1 1 204 1 205 2.10E-97 363.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020599 6596 451.8 UdeM00000020599 XP_045172004.1 64.7 334
113 2 1 333 1 330 7.40E-124 451.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020600 29159 900.2 UdeM00000020600 XP_011434460.2 76.3 595
127 4 1 589 1 587 1.40E-258 900.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020601 6565 902.5 UdeM00000020601 XP_022339759.1 81.7 541
94 2 9 547 49 586 2.60E-259 902.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020602 46514 362.1 UdeM00000020602 XP_038075667.1 39.6 538
272 11 2 504 45 564 1.20E-96 362.1 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000020603 1735272 1025.8 UdeM00000020603 XP_041348381.1
66.9 777 235 7 6 761 633 1408 2.80E-296 1025.8
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000020604 6596 468 UdeM00000020604 XP_045171850.1 61.6 370
140 2 1 369 1 369 2.10E-128 468 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020605 6596 763.8 UdeM00000020605 XP_045171855.1 87.3 408
51 1 1 408 1 407 1.10E-217 763.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020606 29159 1885.5 UdeM00000020606 XP_034304056.1 34.9
3191 1901 54 1 3103 374 3477 0.00E+00 1885.5
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020607 6596 995.3 UdeM00000020607 XP_045182304.1 47.4 1069
534 12 311 1364 5 1060 7.40E-287 995.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020608 6596 653.3 UdeM00000020608 XP_045180549.1 45.6 734
357 5 15 723 118 834 3.60E-184 653.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020609 6596 3099.7 UdeM00000020609 XP_045180549.1 44.8
3617 1880 39 1332 4911 2355 5890 0.00E+00 3099.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020610 6596 3102.8 UdeM00000020610 XP_045180549.1 44.9
3600 1882 38 1332 4894 2355 5890 0.00E+00 3102.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020611 6565 1906 UdeM00000020611 XP_022322780.1 35 3193
1922 59 1 3119 61 3174 0.00E+00 1906 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000020612 6579 246.5 UdeM00000020612 XP_033747431.1 79.3 140
29 0 1 140 98 237 2.00E-62 246.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020613 6596 901.4 UdeM00000020613 XP_045182304.1 44.2 1069
534 14 366 1385 5 1060 1.50E-258 901.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020614 6596 3628.6 UdeM00000020614 XP_045180549.1 38.2
5965 2753 54 120 5349 27 5793 0.00E+00 3628.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020615 6596 786.6 UdeM00000020615 XP_045164123.1 36 1255
751 19 3 1218 99 1340 4.70E-224 786.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020616 29159 1130.9 UdeM00000020616 XP_034304056.1 34.6
1905 1131 36 1 1857 374 2211 0.00E+00 1130.9
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020617 6573 438.3 UdeM00000020617 XP_021373114.1 83.3 234
39 0 2 235 4 237 6.00E-120 438.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020619 225164 62.4 UdeM00000020619 XP_009053990.1 48.3
60 31 0 14 73 1 60 2.90E-07 62.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000020620 6596 671 UdeM00000020620 XP_045173785.1 62.2 524
195 3 1 523 95 616 1.20E-189 671 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020621 6596 97.4 UdeM00000020621 XP_045169614.1 24 371
259 11 152 511 366 724 5.60E-17 97.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020623 6579 169.9 UdeM00000020623 XP_033747727.1 37.1 280
162 6 195 465 20 294 7.90E-39 169.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000020624 29159 114.8 UdeM00000020624 XP_011455035.3 49 100
51 0 44 143 84 183 9.50E-23 114.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000020625 6579 327.4 UdeM00000020625 XP_033747900.1 65.7 265
 88 2 1 262 5 269 1.70E-86 327.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020626 6579 130.2 UdeM00000020626 XP_033747899.1 68.5 92
 28 1 1 92 1 91 3.30E-27 130.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020627 6579 134.8 UdeM00000020627 XP_033747899.1 69.2 91
 28 0 1 91 1 91 1.30E-28 134.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000020628 7574 119 UdeM00000020628 XP_023932112.1 55.3 103
 45 1 3 105 236 337 6.20E-24 119 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000020629 6573 221.1 UdeM00000020629 XP_021364724.1 49.4 253
 117 4 4 248 1 250 1.60E-54 221.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000020630 6596 515 UdeM00000020630 XP_045172358.1 56 423
 184 1 8 428 11 433 9.20E-143 515 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020631 6596 60.1 UdeM00000020631 XP_045173453.1 28.3 173
 103 7 52 210 467 632 6.60E-06 60.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020632 6596 71.2 UdeM00000020632 XP_045173453.1 25 216
 151 6 62 272 455 664 3.50E-09 71.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020633 6596 89.7 UdeM00000020633 XP_045173453.1 46.5 101
 40 1 1 87 13 113 2.90E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020634 6596 88.2 UdeM00000020634 XP_045173453.1 43.2 139
 41 5 1 114 13 138 3.30E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020635 6596 100.1 UdeM00000020635 XP_045173453.1 53.1 98
35 2 27 122 37 125 8.60E-18 100.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020636 6596 94.4 UdeM00000020636 XP_045173453.1 56.8 81
26 1 3 83 54 125 4.20E-16 94.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020637 6573 184.9 UdeM00000020637 XP_021346336.1 87.4 103
13 0 71 173 67 169 8.80E-44 184.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000020638 29159 519.2 UdeM00000020638 XP_011414296.2 59.5 484
186 6 1 478 1 480 5.40E-144 519.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000020639 6596 209.1 UdeM00000020639 XP_045165713.1 32.5 403
244 5 17 406 5 392 1.00E-50 209.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020640 6596 217.2 UdeM00000020640 XP_045165713.1 33.7 404
238 6 17 406 5 392 3.80E-53 217.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020641 6596 321.2 UdeM00000020641 XP_045173661.1 50.3 300
135 5 1 294 6 297 1.30E-84 321.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020642 6596 521.9 UdeM00000020642 XP_045170742.1 56.6 807
243 21 8 788 1685 2410 1.90E-144 521.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000020643 6565 1644.8 UdeM00000020643 XP_022342501.1 56.3
2187 716 30 39 2129 10 2053 0.00E+00 1644.8 6565

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000020644 6579 562 UdeM00000020644 XP_033747229.1 52.6 504
237 1 13 514 12 515 7.80E-157 562 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020647 6596 194.1 UdeM00000020647 XP_045173231.1 42.8 215
119 3 25 235 5 219 2.00E-46 194.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020646 6596 247.3 UdeM00000020646 XP_045173231.1 45.7 254
134 3 25 274 5 258 2.40E-62 247.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020648 218467 177.2 UdeM00000020648 XP_023220759.1 41.8
256 114 4 1 224 421 673 2.40E-41 177.2 218467
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
UdeM00000020649 37621 62 UdeM00000020649 XP_014679680.1 54.2 48
22 0 3 50 2 49 3.80E-07 62 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus
UdeM00000020650 6596 156 UdeM00000020650 XP_045172728.1 33.4 314
200 6 33 337 38 351 8.60E-35 156 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000020651 6579 178.7 UdeM00000020651 XP_033736448.1 39.4 251
125 6 1 224 29 279 8.20E-42 178.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020652 29159 466.1 UdeM00000020652 XP_034311318.1 39.5 684
377 17 22 688 1 664 8.70E-128 466.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000020653 6596 1650.6 UdeM00000020653 XP_045172072.1 69.4
1116 336 3 1 1115 1 1112 0.00E+00 1650.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000020654 6596 232.6 UdeM00000020654 XP_045172136.1 60.4 187
 73 1 1 187 1 186 4.00E-58 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020655 6596 624.8 UdeM00000020655 XP_045173257.1 69.3 436
 122 1 12 447 39 462 8.60E-176 624.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020656 7868 417.2 UdeM00000020656 XP_007894695.1 84 262
 34 2 1 262 1 254 1.60E-113 417.2 7868 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Holocephali;C
 himaeriformes;Callorhinchidae;Callorhinchus;Callorhinchus milii
 UdeM00000020657 7868 419.9 UdeM00000020657 XP_007894695.1 85.2 257
 35 1 1 257 1 254 2.40E-114 419.9 7868 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Holocephali;C
 himaeriformes;Callorhinchidae;Callorhinchus;Callorhinchus milii
 UdeM00000020658 114398 410.2 UdeM00000020658 XP_015920196.1 85
 254 30 2 1 246 1 254 1.80E-111 410.2 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000020659 7868 384.4 UdeM00000020659 XP_007894695.1 83.8 240
 31 2 1 240 23 254 1.00E-103 384.4 7868 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Holocephali;C
 himaeriformes;Callorhinchidae;Callorhinchus;Callorhinchus milii
 UdeM00000020660 6596 693.3 UdeM00000020660 XP_045173065.1 64.4 629
 202 6 1 609 1 627 2.80E-196 693.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020661 6596 695.3 UdeM00000020661 XP_045173065.1 64.4 630
 208 7 1 617 1 627 7.40E-197 695.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020664 6596 138.7 UdeM00000020664 XP_045170777.1 23.1 880
 379 22 12 799 616 1289 3.70E-29 138.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000020665 400727 203.8 UdeM00000020665 XP_025090249.1 77.7
 121 26 1 1 121 2443 2562 1.30E-49 203.8 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000020666 6596 145.6 UdeM00000020666 XP_045171889.1 62.6 115
40 2 2 114 433 546 5.50E-32 145.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020667 6596 859 UdeM00000020667 XP_045171889.1 75.9 547
129 2 1 545 1 546 3.60E-246 859 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020668 6579 602.1 UdeM00000020668 XP_033747741.1 81.5 346
63 1 11 355 20 365 5.00E-169 602.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020669 6579 597.4 UdeM00000020669 XP_033747741.1 81.5 346
62 2 11 354 20 365 1.20E-167 597.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000020670 6596 245 UdeM00000020670 XP_045171424.1 42.8 430
205 10 14 418 308 721 1.70E-61 245 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020671 6596 67.4 UdeM00000020671 XP_045172177.1 44.6 74
34 2 114 182 67 138 2.20E-08 67.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000020672 7739 140.2 UdeM00000020672 XP_035661889.1 53 134
57 3 1 133 155 283 2.10E-30 140.2 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;
Branchiostoma floridae
UdeM00000020673 2607531 176 UdeM00000020673 XP_029657877.2 42.4
236 128 5 2 236 27 255 5.80E-41 176 2607531
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000020674 34638 171.4 UdeM00000020674 XP_003739756.1 37.8 278
141 10 13 265 4 274 1.60E-39 171.4 34638 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes

rmes;Mesostigmata;Monogynaspida;Gamasina;Phytoseioidea;Phytoseiidae;Typhlodrominae;Galendromus;Galendromus occidentalis

UdeM00000020675 108931 184.9 UdeM00000020675 XP_039295486.1 39.7
277 151 9 9 277 21 289 1.40E-43 184.9 108931
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Auchenorrhyncha;Fulgoromorpha;Fulgoroidea;Delphacidae;Delphacinae;Nilaparvata;Nilaparvatalugens

UdeM00000020676 310915 68.6 UdeM00000020676 XP_026797117.2 37.4
115 54 3 11 122 25 124 6.50E-09 68.6 310915
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluridae;Pangasiidae;Pangasianodon;Pangasianodon hypophthalmus

UdeM00000020677 9031 145.2 UdeM00000020677 NP_001006278.2 52.5 139
57 3 8 141 126 260 6.80E-32 145.2 9031 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Galloanserae;Galliformes;Phasianidae;Phasianinae;Gallus;Gallus gallus

UdeM00000020678 108931 189.5 UdeM00000020678 XP_039295486.1 40.4
277 149 9 9 277 21 289 5.80E-45 189.5 108931
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Auchenorrhyncha;Fulgoromorpha;Fulgoroidea;Delphacidae;Delphacinae;Nilaparvata;Nilaparvatalugens

UdeM00000009668 6596 129.4 UdeM00000009668 XP_045195413.1 30.7 257
150 4 31 280 1163 1398 7.20E-27 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009670 1735272 199.1 UdeM00000009670 XP_041359638.1 37.6
295 162 6 7 288 12 297 7.50E-48 199.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009671 1735272 199.1 UdeM00000009671 XP_041359638.1 37.6
295 162 6 4 285 12 297 7.40E-48 199.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009672 1735272 862.1 UdeM00000009672 XP_041379319.1 55.7
765 333 4 3 762 120 883 5.60E-247 862.1 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009673 6596 132.1 UdeM00000009673 XP_045198334.1 25.9 386
247 14 105 477 572 931 1.90E-27 132.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009675 6565 58.5 UdeM00000009675 XP_022287521.1 41.1 73
43 0 2 74 313 385 5.40E-06 58.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000009676 6596 70.5 UdeM00000009676 XP_045195413.1 27 315
192 11 1 283 1 309 9.70E-09 70.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009677 6596 130.6 UdeM00000009677 XP_045197117.1 52.4 126
52 2 2 119 1 126 1.70E-27 130.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009678 6596 208.8 UdeM00000009678 XP_045195413.1 48.3 236
115 3 1 230 5427 5661 7.70E-51 208.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009679 6596 939.9 UdeM00000009679 XP_045195413.1 48.6 1025
488 14 2 996 4650 5665 2.70E-270 939.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009680 1735272 1110.9 UdeM00000009680 XP_041373141.1
50.2 1115 529 9 7 1105 12 1116 0.00E+00 1110.9
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009681 6596 585.5 UdeM00000009681 XP_045195413.1 45.7 679
338 11 34 695 3950 4614 9.00E-164 585.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009682 6596 2898.2 UdeM00000009682 XP_045195413.1 53.1
2818 1119 33 1 2652 1077 3858 0.00E+00 2898.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009683 6596 218.4 UdeM00000009683 XP_045195418.1 29.8 493
318 13 476 950 737 1219 4.00E-53 218.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009684 6596 82.4 UdeM00000009684 XP_045195419.1 27.8 248
156 10 12 249 872 1106 8.90E-13 82.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009685 6573 3082 UdeM00000009685 XP_021363663.1 47.3 3674
1565 57 557 4075 1995 5452 0.00E+00 3082 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009686 7574 115.5 UdeM00000009686 XP_013410728.1 32.1 296
155 7 228 487 56 341 1.90E-22 115.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000009687 7574 115.5 UdeM00000009687 XP_013410728.1 32.1 296
155 7 200 459 56 341 1.70E-22 115.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000009688 6573 576.6 UdeM00000009688 XP_021363650.1 43.1 757
395 11 22 767 1589 2320 4.70E-161 576.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009689 6596 129.4 UdeM00000009689 XP_045195413.1 30.7 257
150 4 31 280 1163 1398 7.20E-27 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009691 1735272 199.1 UdeM00000009691 XP_041359638.1 37.6
295 162 6 7 288 12 297 7.50E-48 199.1 1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009692 1735272 821.6 UdeM00000009692 XP_041379319.1 58.2
689 286 2 1 688 196 883 7.50E-235 821.6 1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009693 6596 132.1 UdeM00000009693 XP_045198334.1 25.9 386
 247 14 105 477 572 931 1.90E-27 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009695 6565 58.5 UdeM00000009695 XP_022287521.1 41.1 73
 43 0 2 74 313 385 5.40E-06 58.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009696 6596 70.5 UdeM00000009696 XP_045195413.1 27 315
 192 11 1 283 1 309 9.70E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009697 6596 130.6 UdeM00000009697 XP_045197117.1 52.4 126
 52 2 2 119 1 126 1.70E-27 130.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009698 6596 208.8 UdeM00000009698 XP_045195413.1 48.3 236
 115 3 1 230 5427 5661 7.70E-51 208.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009699 6596 939.9 UdeM00000009699 XP_045195413.1 48.6 1025
 488 14 2 996 4650 5665 2.70E-270 939.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009700 1735272 1110.9 UdeM00000009700 XP_041373141.1
 50.2 1115 529 9 7 1105 12 1116 0.00E+00 1110.9
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009701 6596 585.5 UdeM00000009701 XP_045195413.1 45.7 679
 338 11 34 695 3950 4614 9.00E-164 585.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009702 6596 2899.4 UdeM00000009702 XP_045195413.1 53.2
 2818 1118 33 1 2652 1077 3858 0.00E+00 2899.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009703 6596 218.8 UdeM00000009703 XP_045195418.1 29.8 493
 318 13 476 950 737 1219 3.10E-53 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009704 6596 218.8 UdeM00000009704 XP_045195418.1 29.8 493
 318 13 476 950 737 1219 3.10E-53 218.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009706 6596 82.4 UdeM00000009706 XP_045195419.1 27.8 248
 156 10 12 249 872 1106 8.90E-13 82.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009705 6596 109.4 UdeM00000009705 XP_045198336.1 42.9 119
 67 1 5 122 578 696 4.30E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009707 6596 2002.3 UdeM00000009707 XP_045195413.1 45.3
 2468 1177 44 7 2362 3258 5664 0.00E+00 2002.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009708 6596 1335.5 UdeM00000009708 XP_045198333.1 58.5
 1152 383 9 1 1134 2181 3255 0.00E+00 1335.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009709 6565 89.7 UdeM00000009709 XP_022293483.1 59.4 69
 28 0 9 77 2160 2228 2.60E-15 89.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009710 215358 197.2 UdeM00000009710 XP_027138606.1 47
 202 101 3 71 268 206 405 2.70E-47 197.2 215358
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae
 sedis;Sciaenidae;Larimichthys;Larimichthys crocea
 UdeM00000009711 6596 718.4 UdeM00000009711 XP_045195413.1 32.4 1574
 856 40 85 1512 587 2098 1.90E-203 718.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009712 6596 64.7 UdeM00000009712 XP_045195413.1 25.6 238
163 6 1 230 1 232 5.40E-07 64.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009713 6596 253.1 UdeM00000009713 XP_045197117.1 54 248
99 3 2 241 1 241 3.90E-64 253.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009715 6565 144.4 UdeM00000009715 XP_022310266.1 32.8 345
205 10 1 337 1 326 2.60E-31 144.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009714 6565 144.1 UdeM00000009714 XP_022310266.1 32.8 345
205 10 32 368 1 326 3.70E-31 144.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009716 6596 200.3 UdeM00000009716 XP_045197116.1 37.5 277
166 3 458 731 362 634 8.60E-48 200.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009717 6596 200.7 UdeM00000009717 XP_045197116.1 37.5 277
166 3 550 823 362 634 7.40E-48 200.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009719 6596 4144 UdeM00000009719 XP_045198334.1 49.9 4438
2048 64 635 4980 580 4932 0.00E+00 4144 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009718 6596 4753.3 UdeM00000009718 XP_045198334.1 49.7
5123 2370 72 635 5640 580 5612 0.00E+00 4753.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009720 6596 660.2 UdeM00000009720 XP_045195413.1 50.4 702
318 8 3 679 4969 5665 2.80E-186 660.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009721 6579 771.5 UdeM00000009721 XP_033744278.1 53.3 720
325 6 32 748 281 992 9.90E-220 771.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009722 6579 740.3 UdeM00000009722 XP_033744278.1 52.7 698
319 6 32 726 281 970 2.30E-210 740.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009723 6596 79 UdeM00000009723 XP_045198290.1 39.2 97
54 3 1 93 1 96 4.00E-12 79 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009725 6596 64.3 UdeM00000009725 XP_045198334.1 29.2 192
115 7 40 224 690 867 2.20E-07 64.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009727 6596 199.5 UdeM00000009727 XP_045195413.1 56.8 183
72 2 8 183 1646 1828 4.00E-48 199.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009728 6596 133.7 UdeM00000009728 XP_045190091.1 37.1 237
134 4 1 225 1 234 3.10E-28 133.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009729 6573 466.1 UdeM00000009729 XP_021363663.1 42.7 620
299 9 23 631 1688 2262 7.50E-128 466.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009730 6596 408.3 UdeM00000009730 XP_045198333.1 56.4 360
150 4 65 418 2396 2754 1.20E-110 408.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009732 6596 532.7 UdeM00000009732 XP_045198334.1 56.1 488
129 6 31 433 2849 3336 5.00E-148 532.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009734 29159 258.5 UdeM00000009734 XP_034316161.1 44.1 290
 161 1 1 289 718 1007 1.50E-65 258.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009735 6596 109 UdeM00000009735 XP_045180427.1 39 177
 105 2 76 250 98 273 9.40E-21 109 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009736 161013 60.8 UdeM00000009736 XP_034253085.1 45.1
 71 37 2 22 90 952 1022 1.00E-06 60.8 161013
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;T
 hripoidea;Thripidae;Thripinae;Thrips;Thrips palmi
 UdeM00000009737 6596 616.3 UdeM00000009737 XP_045195413.1 45 714
 363 8 1 687 4911 5621 5.20E-173 616.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009738 400727 67.8 UdeM00000009738 XP_025098957.1 38.8
 80 49 0 56 135 28 107 4.90E-08 67.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000009739 6596 216.9 UdeM00000009739 XP_045195418.1 29.9 465
 292 12 21 460 736 1191 6.60E-53 216.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009741 6596 518.5 UdeM00000009741 XP_045195413.1 40.2 767
 436 12 46 798 1072 1829 1.60E-143 518.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009742 6579 425.2 UdeM00000009742 XP_033741838.1 46.2 494
 249 7 60 542 1179 1666 1.30E-115 425.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009744 6596 299.7 UdeM00000009744 XP_045198333.1 54.3 276
 125 1 81 356 2319 2593 5.00E-78 299.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009743 6596 561.2 UdeM00000009743 XP_045198333.1 59.1 479
 190 3 81 555 2319 2795 1.50E-156 561.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009745 6596 286.2 UdeM00000009745 XP_045195413.1 76.1 184
 38 1 18 195 2806 2989 3.20E-74 286.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009747 6596 1048.1 UdeM00000009747 XP_045195413.1 62.7
 820 287 7 26 838 3051 3858 6.10E-303 1048.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009748 6596 279.6 UdeM00000009748 XP_045195413.1 39.4 396
 217 8 44 420 3949 4340 6.60E-72 279.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009749 6596 151.8 UdeM00000009749 XP_045195413.1 32.3 260
 159 5 12 255 4082 4340 1.30E-33 151.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009750 6596 63.5 UdeM00000009750 XP_045195419.1 44.6 65
 35 1 2 66 4526 4589 1.10E-07 63.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009751 6596 979.2 UdeM00000009751 XP_045195413.1 46.7 1167
 572 18 1 1130 4507 5660 4.50E-282 979.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009752 6573 120.9 UdeM00000009752 XP_021355657.1 56.3 103
 45 0 18 120 4 106 1.30E-24 120.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009753 6596 93.6 UdeM00000009753 XP_045198052.1 75.5 53
 13 0 25 77 110 162 1.20E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009754 6596 742.7 UdeM00000009754 XP_045197551.1 62.7 577
 213 2 12 587 155 730 3.70E-211 742.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009755 6596 961.8 UdeM00000009755 XP_045195413.1 40.9 1350
 646 24 21 1335 4434 5666 8.80E-277 961.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009756 6596 3138.6 UdeM00000009756 XP_045198334.1 45.6
 3860 1884 63 862 4561 571 4375 0.00E+00 3138.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009757 151771 469.9 UdeM00000009757 XP_028419301.1 52.9
 448 208 3 27 473 34 479 3.80E-129 469.9 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000009758 6596 4308.4 UdeM00000009758 XP_045195413.1 49.4
 4633 2179 67 19 4547 1096 5666 0.00E+00 4308.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009759 6596 164.1 UdeM00000009759 XP_045195418.1 28.7 390
 249 10 571 937 737 1120 8.70E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009760 6596 122.1 UdeM00000009760 XP_045170977.1 52.9 104
 47 1 2 103 370 473 4.20E-25 122.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009762 6596 74.3 UdeM00000009762 XP_045198049.1 41.8 177
 97 1 23 199 19 189 2.10E-10 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009763 6596 95.5 UdeM00000009763 XP_045207685.1 34 147
 95 2 59 203 230 376 8.40E-17 95.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009764 29159 141 UdeM00000009764 XP_034318677.1 50 144
61 3 5 148 13 145 1.20E-30 141 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009766 6565 246.5 UdeM00000009766 XP_022307464.1 76.1 155
37 0 2 156 212 366 2.30E-62 246.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009767 37653 333.2 UdeM00000009767 XP_014784938.1 48.6 325
154 3 119 431 39 362 5.10E-88 333.2 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000009768 6596 90.5 UdeM00000009768 XP_045207685.1 31.1 148
100 2 181 327 230 376 4.30E-15 90.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009769 6596 90.5 UdeM00000009769 XP_045207685.1 31.1 148
100 2 95 241 230 376 3.20E-15 90.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009770 6579 354 UdeM00000009770 XP_033739618.1 42.5 438
218 6 48 483 336 741 3.10E-94 354 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009771 1735272 248.8 UdeM00000009771 XP_041354099.1 76.4
144 34 0 1 144 1 144 4.20E-63 248.8 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009772 6596 218 UdeM00000009772 XP_045196208.1 75 140
34 1 4 143 6 144 7.80E-54 218 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009773 6596 112.1 UdeM00000009773 XP_045180427.1 39 177
105 2 76 250 98 273 1.10E-21 112.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009774 6105 80.5 UdeM00000009774 XP_031551840.1 45.7 94
48 1 44 134 101 194 1.90E-12 80.5 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000009775 6596 63.5 UdeM00000009775 XP_045196207.1 34.7 118
65 4 57 166 96 209 3.10E-07 63.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009776 6596 267.3 UdeM00000009776 XP_045196207.1 45.2 334
124 6 2 296 289 602 2.30E-68 267.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009777 1735272 164.1 UdeM00000009777 XP_041347204.1 33.8
305 178 11 2 302 207 491 3.20E-37 164.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009779 29159 124.8 UdeM00000009779 XP_034300601.1 48.9 135
65 1 37 167 105 239 1.10E-25 124.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009780 29159 166 UdeM00000009780 XP_011450566.2 52 202
89 4 15 214 2 197 6.10E-38 166 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009782 6596 411.4 UdeM00000009782 XP_045198252.1 49.1 430
208 5 11 433 26 451 1.60E-111 411.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009781 6573 411.8 UdeM00000009781 XP_021354055.1 45.7 501
251 10 12 498 12 505 1.30E-111 411.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009783 6596 478 UdeM00000009783 XP_045195290.1 35.8 821
481 14 5 814 22 807 2.40E-131 478 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009784 29159 2014.6 UdeM00000009784 XP_034324858.1 31.5
4486 2758 116 125 4470 25 4333 0.00E+00 2014.6
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009785 6579 794.3 UdeM00000009785 XP_033739423.1 51.5 904
 300 13 1 785 1 885 1.40E-226 794.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009786 6579 1828.9 UdeM00000009786 XP_033739423.1 58.1
 1701 627 26 22 1649 890 2577 0.00E+00 1828.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009788 29159 516.2 UdeM00000009788 XP_034332829.1 75.2 319
 78 1 1 318 1 319 3.10E-143 516.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009789 400727 202.6 UdeM00000009789 XP_025098850.1 51.8
 191 88 4 1 191 1 187 4.60E-49 202.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000009790 6596 489.2 UdeM00000009790 XP_045197982.1 54.2 461
 198 4 9 467 30 479 5.90E-135 489.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009791 6596 347.8 UdeM00000009791 XP_045197985.1 63.9 277
 95 2 28 304 7 278 1.40E-92 347.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009792 6596 344 UdeM00000009792 XP_045197985.1 63.3 278
 96 2 28 305 7 278 2.00E-91 344 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009793 6565 642.1 UdeM00000009793 XP_022292187.1 65.6 491
 157 6 3 492 2 481 5.80E-181 642.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009794 6596 1276.9 UdeM00000009794 XP_045198715.1 60.5
 1036 385 9 2 1016 506 1538 0.00E+00 1276.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009795 6573 1242.3 UdeM00000009795 XP_021367369.1 65.9
 946 315 3 1 946 1 938 0.00E+00 1242.3 6573

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009796 6596 370.2 UdeM00000009796 XP_045195727.1 74.9 366
73 2 142 488 139 504 5.00E-99 370.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009797 6596 370.2 UdeM00000009797 XP_045195727.1 74.9 366
73 2 343 689 139 504 6.70E-99 370.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009798 6565 521.2 UdeM00000009798 XP_022292889.1 54.7 508
202 4 1 484 1 504 1.40E-144 521.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000009801 6565 444.9 UdeM00000009801 XP_022327372.1 41.8 582
323 10 15 587 7 581 1.60E-121 444.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000009802 6565 451.4 UdeM00000009802 XP_022327372.1 42.1 585
317 10 15 587 7 581 1.70E-123 451.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000009803 6565 443 UdeM00000009803 XP_022326108.1 40.3 583
330 9 7 581 439 1011 6.00E-121 443 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000009804 6579 75.1 UdeM00000009804 XP_033740026.1 53.1 113
42 4 54 157 254 364 9.00E-11 75.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000009806 6573 289.7 UdeM00000009806 XP_021359433.1 71.7 198
56 0 76 273 73 270 4.20E-75 289.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009807 6596 224.2 UdeM00000009807 XP_045197526.1 64.5 211
74 1 5 215 1 210 1.60E-55 224.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009808 6596 295.4 UdeM00000009808 XP_045197531.1 55.1 276
116 4 1 270 1 274 7.20E-77 295.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009809 6596 652.1 UdeM00000009809 XP_045197524.1 74.7 491
117 2 6 496 1 484 5.60E-184 652.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009810 1735272 476.9 UdeM00000009810 XP_041354459.1 49.8
488 222 8 3 484 10 480 3.20E-131 476.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009812 6596 176.8 UdeM00000009812 XP_045196281.1 64.5 121
41 1 22 142 1129 1247 2.00E-41 176.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009811 6596 1746.5 UdeM00000009811 XP_045196281.1 76.1
1252 293 3 1 1251 1 1247 0.00E+00 1746.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009813 6596 1427.9 UdeM00000009813 XP_045197701.1 44.7
1772 722 18 1 1734 1 1552 0.00E+00 1427.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009814 6565 201.4 UdeM00000009814 XP_022294586.1 61.4 176
56 3 1 174 1 166 9.30E-49 201.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009815 6565 252.3 UdeM00000009815 XP_022294586.1 65.8 199
56 3 1 197 1 189 5.10E-64 252.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009816 6596 316.6 UdeM00000009816 XP_045196282.1 54.5 277
126 0 5 281 97 373 3.90E-83 316.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009817 6579 120.6 UdeM00000009817 XP_033740524.1 52.3 107
51 0 1 107 176 282 1.90E-24 120.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000009818 6573 350.1 UdeM00000009818 XP_021349310.1 51.3 355
147 5 7 339 29 379 3.40E-93 350.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009819 6573 348.6 UdeM00000009819 XP_021349310.1 59.9 279
110 2 7 285 29 305 9.20E-93 348.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009820 6573 348.6 UdeM00000009820 XP_021349310.1 59.9 279
110 2 7 285 29 305 8.80E-93 348.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009822 7604 99.8 UdeM00000009822 XP_033647591.1 65.8 73
23 1 103 173 509 581 3.70E-18 99.8 7604 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
atida;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea;Asteroidea
UdeM00000009821 6565 603.2 UdeM00000009821 XP_022293116.1 68.9 447
132 5 1 443 1 444 2.60E-169 603.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000009824 6596 179.5 UdeM00000009824 XP_045196760.1 95.5 89
4 0 335 423 567 655 9.00E-42 179.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009825 6596 179.5 UdeM00000009825 XP_045196760.1 95.5 89
4 0 334 422 567 655 9.00E-42 179.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009826 1735272 381.3 UdeM00000009826 XP_041350787.1 82.7
226 35 1 1 222 1 226 8.90E-103 381.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009827 6573 233.8 UdeM00000009827 XP_021359408.1 58.4 233
67 8 3 211 168 394 2.00E-58 233.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000009828 6596 187.6 UdeM00000009828 XP_045196759.1 66.9 127
42 0 11 137 13 139 1.10E-44 187.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009829 6596 70.9 UdeM00000009829 XP_045198377.1 50.8 61
29 1 4 64 50 109 9.00E-10 70.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009830 6596 133.7 UdeM00000009830 XP_045160075.1 47.9 117
61 0 7 123 76 192 1.70E-28 133.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009831 6596 134.8 UdeM00000009831 XP_045196567.1 52.1 117
56 0 33 149 3 119 9.00E-29 134.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009832 225164 91.7 UdeM00000009832 XP_009055934.1 53.7
67 30 1 3 68 41 107 8.60E-16 91.7 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000009833 1735272 125.2 UdeM00000009833 XP_041355030.1 55.8
95 42 0 1 95 15 109 4.60E-26 125.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009834 29159 518.5 UdeM00000009834 XP_011453102.2 76.7 511
109 3 9 511 65 573 9.90E-144 518.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000009835 13735 132.1 UdeM00000009835 XP_006117305.1 93.8 64
4 0 1 64 1 64 3.60E-28 132.1 13735 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Testudinata;Testudines;Cryptodira;Trionychia;Trionychidae;Pelodiscus;Pelodiscus sinensis

UdeM00000009836 6596 154.5 UdeM00000009836 XP_045195919.1 56.8 169
55 4 12 178 150 302 2.30E-34 154.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009837 6596 151.8 UdeM00000009837 XP_045195919.1 80.2 96
19 0 42 137 53 148 7.20E-34 151.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009838 6579 152.9 UdeM00000009838 XP_033743219.1 39.4 216
114 6 26 236 34 237 5.50E-34 152.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009839 400727 354 UdeM00000009839 XP_025099604.1 73.1
223 60 0 1 223 1 223 1.40E-94 354 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009840 10224 228.4 UdeM00000009840 XP_002730697.1 95.5 112
5 0 3 114 2 113 4.60E-57 228.4 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000009841 400727 297.7 UdeM00000009841 XP_025098259.1 49.7
431 182 6 7 435 6 403 3.50E-77 297.7 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009842 400727 285 UdeM00000009842 XP_025098259.1 48.4
432 187 6 7 436 6 403 2.30E-73 285 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009843 6596 196.1 UdeM00000009843 XP_045196322.1 60.4 164
62 1 3 166 25 185 3.70E-47 196.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009845 6596 180.6 UdeM00000009845 XP_045196334.1 36.5 381
175 13 63 415 52 393 4.00E-42 180.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009846 1735272 100.1 UdeM00000009846 XP_041354191.1 40.6
128 63 4 13 134 28 148 2.30E-18 100.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009847 225164 163.7 UdeM00000009847 XP_009065075.1 27.6
410 253 12 2 375 3 404 4.60E-37 163.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000009848 6596 547.7 UdeM00000009848 XP_045196448.1 52.1 545
239 6 8 531 7 550 1.60E-152 547.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009849 6596 593.6 UdeM00000009849 XP_045197847.1 69.7 416
112 3 4 408 655 1067 1.90E-166 593.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009850 6596 73.2 UdeM00000009850 XP_045197853.1 48 102
48 2 12 113 1 97 3.80E-09 73.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009851 6596 73.2 UdeM00000009851 XP_045197853.1 48 102
48 2 12 113 1 97 9.30E-10 73.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009852 6579 185.3 UdeM00000009852 XP_033741029.1 61.9 139
52 1 1 139 6 143 7.10E-44 185.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009853 37653 870.2 UdeM00000009853 XP_014784610.1 96.7 428
12 2 1 428 1 426 1.10E-249 870.2 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000009854 37653 874.8 UdeM00000009854 XP_014784610.1 97 427
12 1 1 427 1 426 4.50E-251 874.8 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000009855 6573 450.7 UdeM00000009855 XP_021341403.1 48.3 598
188 15 452 941 142 726 4.70E-123 450.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009856 6573 447.2 UdeM00000009856 XP_021341403.1 48.3 598
187 16 338 826 142 726 4.50E-122 447.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009857 6573 450.7 UdeM00000009857 XP_021341403.1 48.3 598
188 15 338 827 142 726 4.10E-123 450.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009858 6596 333.2 UdeM00000009858 XP_045198009.1 56.9 297
 117 4 5 300 7 293 3.50E-88 333.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000009859 6596 335.1 UdeM00000009859 XP_045198009.1 59.2 287
 104 5 5 280 7 291 9.50E-89 335.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000009860 6573 616.3 UdeM00000009860 XP_021375741.1 76.9 403
 93 0 9 411 12 414 2.80E-173 616.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009861 6596 767.7 UdeM00000009861 XP_045197652.1 40.2 1280
 639 34 13 1255 36 1226 2.40E-218 767.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000009862 37653 115.5 UdeM00000009862 XP_014789801.1 75.4 65
 16 0 1 65 139 203 2.50E-23 115.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000009863 29159 520.8 UdeM00000009863 XP_034332028.1 64.9 370
 126 3 1 368 1 368 1.50E-144 520.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009864 6596 213.4 UdeM00000009864 XP_045198187.1 46 215
 111 3 5 217 36 247 2.90E-52 213.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000009865 6596 158.7 UdeM00000009865 XP_045198181.1 64.3 129
 42 2 18 142 788 916 5.90E-36 158.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000009866 7111 173.3 UdeM00000009866 XP_026736514.1 39.1 271
 145 6 127 386 7 268 6.70E-40 173.3 7111 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;Noctuidae;Plusiinae;Trichoplusia;Trichoplusia ni

UdeM00000009867 6579 1069.7 UdeM00000009867 XP_033741559.1 80.1
 658 128 2 39 694 9 665 0.00E+00 1069.7 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009868 6579 1058.1 UdeM00000009868 XP_033741559.1 79.5
 659 131 3 39 695 9 665 4.80E-306 1058.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009869 29159 275 UdeM00000009869 XP_011429807.1 85.1 161
 24 0 1 161 1 161 6.00E-71 275 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009870 6596 242.3 UdeM00000009870 XP_045196687.1 41.1 409
 188 12 171 558 266 642 1.50E-60 242.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009871 6573 827.4 UdeM00000009871 XP_021377367.1 54.2 746
 330 6 39 780 190 927 1.50E-236 827.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009872 6579 198 UdeM00000009872 XP_033740841.1 50 198
 96 2 1 197 358 553 1.20E-47 198 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009873 6596 216.5 UdeM00000009873 XP_045185723.1 37.9 346
 192 6 7 345 455 784 7.90E-53 216.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009876 6579 100.5 UdeM00000009876 XP_033756126.1 58.1 86
 34 1 4 89 156 239 1.20E-18 100.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009879 6573 195.7 UdeM00000009879 XP_021365839.1 36.5 299
 175 6 151 445 574 861 1.30E-46 195.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009880 6573 183 UdeM00000009880 XP_021365839.1 32.4 318
 195 8 133 442 555 860 8.70E-43 183 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009881 6596 1315.4 UdeM00000009881 XP_045198147.1 85.2
 785 115 1 33 817 171 954 0.00E+00 1315.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009882 6596 1315.4 UdeM00000009882 XP_045198147.1 85.2
 785 115 1 52 836 171 954 0.00E+00 1315.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009883 6573 239.2 UdeM00000009883 XP_021365839.1 45.5 266
 139 3 177 437 597 861 1.10E-59 239.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009884 6573 239.2 UdeM00000009884 XP_021365839.1 45.5 266
 139 3 132 392 597 861 9.80E-60 239.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009885 6573 239.2 UdeM00000009885 XP_021365839.1 45.5 266
 139 3 177 437 597 861 1.10E-59 239.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009886 6573 226.1 UdeM00000009886 XP_021365839.1 43.4 265
 144 3 178 437 598 861 9.50E-56 226.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009887 6573 226.1 UdeM00000009887 XP_021365839.1 43.4 265
 144 3 133 392 598 861 8.60E-56 226.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009888 6565 314.3 UdeM00000009888 XP_022295702.1 92.6 163
 12 0 2 164 3 165 9.10E-83 314.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009889 6596 444.9 UdeM00000009889 XP_045196588.1 46.9 488
 244 7 9 490 50 528 1.40E-121 444.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009890 6596 125.2 UdeM00000009890 XP_045180427.1 49.6 115
 56 1 80 192 159 273 9.90E-26 125.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009891 6579 302.4 UdeM00000009891 XP_033740244.1 53.6 304
136 4 44 344 27 328 7.60E-79 302.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009892 161013 161 UdeM00000009892 XP_034253011.1 75.2
101 25 0 26 126 54 154 1.00E-36 161 161013
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;Thripidoidea;Thripidae;Thripinae;Thrips;Thrips palmi

UdeM00000009893 104421 231.1 UdeM00000009893 XP_011253679.1 73.4
154 39 2 1 153 1 153 9.60E-58 231.1 104421
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Formicoidea;Formicidae;Formicinae;Camponotini;Camponotus;Camponotus floridanus

UdeM00000009894 6596 121.3 UdeM00000009894 XP_045205133.1 32.2 258
108 10 170 415 175 377 2.90E-24 121.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009895 400727 149.4 UdeM00000009895 XP_025107620.1 51.6
128 61 1 1 127 1 128 3.00E-33 149.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009896 6579 719.9 UdeM00000009896 XP_033741269.1 63.9 571
193 9 5 574 7 565 2.50E-204 719.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009897 6596 627.5 UdeM00000009897 XP_045197164.1 70.6 432
126 1 78 508 1 432 1.70E-176 627.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009898 6596 578.9 UdeM00000009898 XP_045198372.1 74.2 368
95 0 17 384 199 566 4.70E-162 578.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009899 29159 587 UdeM00000009899 XP_011457079.2 67.5 419
132 3 1 419 164 578 1.90E-164 587 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009902 6579 138.7 UdeM00000009902 XP_033739729.1 77.3 88
19 1 1 87 695 782 3.70E-30 138.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000009901 29159 915.2 UdeM00000009901 XP_011457079.2 60.6 746
282 6 23 763 51 789 5.40E-263 915.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009903 6596 121.7 UdeM00000009903 XP_045180427.1 46.3 177
92 2 76 250 98 273 1.40E-24 121.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009904 6579 210.7 UdeM00000009904 XP_033731739.1 54.2 177
81 0 1 177 202 378 1.50E-51 210.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000009905 29159 893.6 UdeM00000009905 XP_011457079.2 62 686
251 6 102 781 108 789 1.70E-256 893.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009906 6579 151 UdeM00000009906 XP_033739729.1 64.3 112
39 1 2 112 670 781 9.30E-34 151 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000009907 29159 894.4 UdeM00000009907 XP_011457079.2 61.7 687
255 4 42 723 105 788 9.40E-257 894.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009908 29159 863.6 UdeM00000009908 XP_011457079.2 60 692
261 5 45 731 108 788 1.80E-247 863.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000009909 6596 108.6 UdeM00000009909 XP_045197794.1 30.2 268
140 11 41 275 40 293 1.40E-20 108.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009910 6596 344.7 UdeM00000009910 XP_045196551.1 65.3 294
84 5 1 291 1 279 1.10E-91 344.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009911 6596 476.5 UdeM00000009911 XP_045196550.1 61.3 411
 101 2 1 353 80 490 3.00E-131 476.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009912 6596 579.7 UdeM00000009912 XP_045196553.1 65.2 468
 116 4 1 428 1 461 3.00E-162 579.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009913 29159 646.4 UdeM00000009913 XP_011437667.2 66.1 598
 170 5 99 692 1 569 4.30E-182 646.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009914 6596 144.4 UdeM00000009914 XP_045172711.1 40 185
 107 3 9 191 9 191 1.50E-31 144.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009915 6573 176 UdeM00000009915 XP_021375462.1 49.2 183
 90 3 9 189 6 187 4.50E-41 176 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009916 6596 1025.4 UdeM00000009916 XP_045198055.1 64.7
 723 254 1 16 738 19 740 3.60E-296 1025.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009917 6565 169.5 UdeM00000009917 XP_022293190.1 52.5 158
 75 0 1 158 589 746 3.50E-39 169.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009918 6596 819.3 UdeM00000009918 XP_045198055.1 65.6 570
 188 1 5 574 19 580 3.10E-234 819.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009919 6596 967.6 UdeM00000009919 XP_045198055.1 63.5 723
 263 1 18 740 19 740 8.90E-279 967.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009920 6596 939.1 UdeM00000009920 XP_045198055.1 64.7 679
 240 0 18 696 19 697 3.30E-270 939.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009921 6596 931 UdeM00000009921 XP_045198051.1 60.4 742
 288 4 9 746 2 741 9.30E-268 931 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009922 6596 925.6 UdeM00000009922 XP_045198051.1 59.6 742
 297 3 5 745 2 741 3.90E-266 925.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009923 6573 345.1 UdeM00000009923 XP_021376833.1 71.3 223
 64 0 2 224 32 254 6.60E-92 345.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009924 6596 342.4 UdeM00000009924 XP_045198079.1 58.4 281
 91 2 1 255 1 281 4.90E-91 342.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009925 7574 1174.8 UdeM00000009925 XP_013402434.1 68.7
 796 245 2 1 795 343 1135 0.00E+00 1174.8 7574
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000009926 7574 461.1 UdeM00000009926 XP_013402434.1 63.2 334
 123 0 10 343 8 341 1.30E-126 461.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000009927 6596 222.6 UdeM00000009927 XP_045165867.1 45.5 286
 148 2 1 278 501 786 7.90E-55 222.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009928 6596 108.2 UdeM00000009928 XP_045196569.1 45.2 115
 62 1 11 125 5 118 7.60E-21 108.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009929 6596 137.1 UdeM00000009929 XP_045196567.1 55.9 111
 48 1 36 146 10 119 1.80E-29 137.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009930 6596 139 UdeM00000009930 XP_045196567.1 54.3 116
52 1 10 125 5 119 4.00E-30 139 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009931 6565 309.7 UdeM00000009931 XP_022317040.1 76.6 201
47 0 32 232 30 230 3.20E-81 309.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000009933 6706 238 UdeM00000009933 XP_042228469.1 85.6 125
18 0 62 186 1 125 9.40E-60 238 6706 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Astacidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus

UdeM00000009934 6596 827 UdeM00000009934 XP_045197126.1 54.7 850
311 13 1 800 243 1068 2.20E-236 827 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009935 40690 113.6 UdeM00000009935 XP_034006674.1 36.4 176
106 4 2 174 4 176 2.50E-22 113.6 40690 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000009936 1735272 135.6 UdeM00000009936 XP_041352271.1 59.8
102 41 0 1 102 1 102 3.90E-29 135.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009937 6596 1008.1 UdeM00000009937 XP_045197567.1 67.1
703 221 3 4 705 9 702 5.70E-291 1008.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009938 6596 644.4 UdeM00000009938 XP_045197563.1 44.4 927
495 9 16 931 3 920 2.20E-181 644.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009939 6565 333.6 UdeM00000009939 XP_022332424.1 32.9 820
 373 20 7 795 4 677 7.00E-88 333.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009941 6596 280.4 UdeM00000009941 XP_045196329.1 44.4 315
 166 6 36 349 2 308 3.10E-72 280.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009942 6573 508.8 UdeM00000009942 XP_021349268.1 48.8 502
 239 9 1 496 55 544 7.70E-141 508.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009943 6573 522.7 UdeM00000009943 XP_021354068.1 50.9 740
 310 12 15 736 19 723 7.90E-145 522.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009944 1735272 197.6 UdeM00000009944 XP_041351340.1 86.4
 110 15 0 1 110 1 110 1.20E-47 197.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009945 6596 246.5 UdeM00000009945 XP_045197178.1 71.9 167
 47 0 22 188 106 272 2.70E-62 246.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009946 6596 849.4 UdeM00000009946 XP_045197178.1 46.9 1429
 624 47 38 1395 289 1653 6.70E-243 849.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009947 6596 851.3 UdeM00000009947 XP_045197178.1 45.2 1530
 661 51 38 1496 289 1712 1.90E-243 851.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009948 6573 289.7 UdeM00000009948 XP_021353161.1 46 348
 178 7 9 353 9 349 5.20E-75 289.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000009949 6596 1305.8 UdeM00000009949 XP_045196672.1 67.6
 893 277 6 1 883 1 891 0.00E+00 1305.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009950 6596 883.2 UdeM00000009950 XP_045197023.1 78.3 544
118 0 1 544 1 544 1.60E-253 883.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009951 6579 641.7 UdeM00000009951 XP_033741338.1 60.7 634
233 6 1 626 1 626 9.50E-181 641.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000009952 6573 231.9 UdeM00000009952 XP_021359250.1 55.8 226
93 2 1 219 1 226 8.50E-58 231.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000009953 6596 672.5 UdeM00000009953 XP_045197578.1 76.5 405
94 1 1 405 1 404 6.10E-190 672.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009954 400727 328.9 UdeM00000009954 XP_025097977.1 60.4
265 99 2 10 268 75 339 6.30E-87 328.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009955 400727 100.9 UdeM00000009955 XP_025097959.1 58.3
432 166 5 27 457 1 419 8.60E-18 100.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000009956 6596 152.9 UdeM00000009956 XP_045167510.1 33.2 292
168 8 65 332 109 397 7.90E-34 152.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009957 6596 141 UdeM00000009957 XP_045167510.1 32.3 285
166 8 1 261 116 397 2.50E-30 141 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000009958 6596 152.5 UdeM00000009958 XP_045167510.1 33.9 292
166 8 10 277 109 397 8.70E-34 152.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009959 6596 294.3 UdeM00000009959 XP_045195539.1 55.7 253
109 1 3 255 146 395 1.50E-76 294.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009960 1735272 116.3 UdeM00000009960 XP_041374221.1 35.6
216 118 3 25 237 25 222 9.50E-23 116.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009961 6596 155.2 UdeM00000009961 XP_045195540.1 53.7 136
63 0 2 137 52 187 6.40E-35 155.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009962 6596 67 UdeM00000009962 XP_045184079.1 42 88
48 1 1 88 67 151 2.30E-08 67 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009963 6596 90.5 UdeM00000009963 XP_045199124.1 47.7 88
41 2 182 269 745 827 3.50E-15 90.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009964 1735272 117.5 UdeM00000009964 XP_041374221.1 35.5
200 113 1 9 208 9 192 2.10E-23 117.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000009965 6596 241.9 UdeM00000009965 XP_045195540.1 55.3 199
89 0 38 236 51 249 8.30E-61 241.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009966 6596 245.7 UdeM00000009966 XP_045195540.1 53.6 209
97 0 38 246 51 259 6.30E-62 245.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000009967 1735272 117.1 UdeM00000009967 XP_041374221.1 36.7
180 98 1 28 207 29 192 5.60E-23 117.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009968 6596 291.6 UdeM00000009968 XP_045195540.1 49.1 277
138 2 5 279 46 321 1.10E-75 291.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009970 6596 71.2 UdeM00000009970 XP_045196982.1 29 210
110 8 325 512 262 454 4.30E-09 71.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009971 6596 787.3 UdeM00000009971 XP_045196981.1 60.2 706
189 9 10 625 6 709 1.50E-224 787.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009972 6596 788.5 UdeM00000009972 XP_045196981.1 60.1 709
191 9 61 679 3 709 7.40E-225 788.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009973 225164 370.9 UdeM00000009973 XP_009059969.1 62.4
271 98 2 1 267 1 271 1.40E-99 370.9 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000009975 6596 558.9 UdeM00000009975 XP_045197348.1 75.3 368
91 0 11 378 137 504 4.90E-156 558.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000009976 1735272 474.2 UdeM00000009976 XP_041353934.1 43.2
546 297 3 1 543 1 536 2.40E-130 474.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000009977 400727 72.4 UdeM00000009977 XP_025113859.1 27.6
293 163 13 25 296 54 318 1.10E-09 72.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000009978 6596 90.5 UdeM00000009978 XP_045197794.1 27 289
161 13 8 258 1 277 4.00E-15 90.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009979 6579 76.6 UdeM00000009979 XP_033729564.1 50 60
 30 0 8 67 822 881 7.30E-11 76.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000009980 6596 77.8 UdeM00000009980 XP_045197787.1 27.8 263
 147 9 32 258 53 308 2.70E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009981 6596 91.7 UdeM00000009981 XP_045197792.1 26 289
 166 11 10 259 4 283 1.80E-15 91.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009982 6565 410.2 UdeM00000009982 XP_022293691.1 54.6 379
 169 2 22 399 9 385 3.00E-11 410.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000009985 1735272 563.1 UdeM00000009985 XP_041353982.1 59.2
 468 181 4 85 546 51 514 3.90E-157 563.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009986 1735272 563.1 UdeM00000009986 XP_041353982.1 59.2
 468 181 4 59 520 51 514 3.70E-157 563.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009987 1735272 553.9 UdeM00000009987 XP_041353982.1 60.5
 448 167 4 106 547 71 514 2.40E-154 553.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009988 1735272 563.1 UdeM00000009988 XP_041353982.1 59.2
 468 181 4 70 531 51 514 3.80E-157 563.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009990 6596 273.5 UdeM00000009990 XP_045197568.1 46.5 299
 145 4 3 288 2 298 3.20E-70 273.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000009991 1735272 138.3 UdeM00000009991 XP_041354202.1 45.9
 148 75 2 1 148 1 143 8.30E-30 138.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000009992 400727 240.4 UdeM00000009992 XP_025098019.1 62.2
 209 76 3 1 208 28 234 2.10E-60 240.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000009993 6596 1180.2 UdeM00000009993 XP_045198000.1 66.3
 902 288 10 25 920 21 912 0.00E+00 1180.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009994 6596 438.3 UdeM00000009994 XP_045198000.1 52.8 422
 190 8 25 441 21 438 1.10E-119 438.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009995 6596 427.6 UdeM00000009995 XP_045196606.1 54.5 492
 94 3 1 363 1 491 1.70E-116 427.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009996 29159 183 UdeM00000009996 XP_034333380.1 80.9 115
 22 0 1 115 415 529 2.30E-43 183 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000009998 6596 1147.1 UdeM00000009998 XP_045197672.1 82.1
 764 119 10 21 767 1673 2435 0.00E+00 1147.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000009999 6573 496.5 UdeM00000009999 XP_021350247.1 55 642
 219 25 8 614 1028 1634 5.30E-137 496.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010001 6596 626.3 UdeM00000010001 XP_045197670.1 45 1023
 390 36 18 983 21 927 6.70E-176 626.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010002 29159 908.3 UdeM00000010002 XP_011457079.2 62.7 706
 253 6 46 745 88 789 6.50E-261 908.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010003 6596 306.2 UdeM00000010003 XP_045197669.1 42.2 422
 216 8 7 420 6 407 6.30E-80 306.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010004 6579 849.7 UdeM00000010004 XP_033741100.1 62.2 788
 279 11 1 775 1 782 2.80E-243 849.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010005 6579 517.3 UdeM00000010005 XP_033741100.1 66.7 424
 133 4 1 421 364 782 1.80E-143 517.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010006 45264 167.5 UdeM00000010006 XP_044166166.1 49.3 150
 75 1 1 149 667 816 1.50E-38 167.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000010007 29159 924.1 UdeM00000010007 XP_011433097.1 87 538
 66 3 1 536 5 540 8.20E-266 924.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010008 7741 166 UdeM00000010008 XP_019627842.1 60.3 136
 54 0 9 144 8 143 3.70E-38 166 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000010009 8355 83.6 UdeM00000010009 NP_001121239.1 40.5 121
 64 2 27 147 36 148 2.50E-13 83.6 8355 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoide
 a;Pipidae;Xenopodinae;Xenopus;Xenopus;Xenopus laevis
 UdeM00000010010 6596 626.3 UdeM00000010010 XP_045195376.1 54.1 737
 298 7 13 724 25 746 4.90E-176 626.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010011 6565 176.8 UdeM00000010011 XP_022299727.1 46 200
 106 1 1 198 46 245 2.70E-41 176.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010012 6573 992.6 UdeM00000010012 XP_021352598.1 64.8 1132
 329 15 203 1299 496 1593 4.50E-286 992.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010013 6596 374 UdeM00000010013 XP_045197805.1 73.8 252
 66 0 111 362 117 368 3.40E-100 374 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010014 6596 374 UdeM00000010014 XP_045197805.1 73.8 252
 66 0 111 362 117 368 3.40E-100 374 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010015 6596 374 UdeM00000010015 XP_045197805.1 73.8 252
 66 0 111 362 117 368 3.10E-100 374 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010017 6596 320.9 UdeM00000010017 XP_045196412.1 43.7 380
 190 5 24 401 3 360 2.40E-84 320.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010018 6596 270 UdeM00000010018 XP_045197818.1 31.9 548
 264 15 142 638 76 565 7.60E-69 270 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010019 6596 220.3 UdeM00000010019 XP_045203753.1 24.9 872
 553 25 51 892 6 805 1.10E-53 220.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010020 6596 197.2 UdeM00000010020 XP_045203753.1 22.6 894
 594 23 89 966 7 818 1.00E-46 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010023 6596 207.6 UdeM00000010023 XP_045203753.1 23.9 867
 564 26 51 891 6 802 7.50E-50 207.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010027 6596 206.5 UdeM00000010027 XP_045203753.1 23.5 875
 557 28 51 891 6 802 1.70E-49 206.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010028 6596 188.3 UdeM00000010028 XP_045196567.1 79.2 101
 21 0 13 113 19 119 5.20E-45 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010029 6596 193.4 UdeM00000010029 XP_045196567.1 82.2 101
 18 0 13 113 19 119 1.60E-46 193.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010030 6596 819.3 UdeM00000010030 XP_045198488.1 61.5 712
 256 9 141 841 154 858 4.50E-234 819.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010031 6573 786.6 UdeM00000010031 XP_021360680.1 60.3 710
 234 14 14 695 5 694 2.70E-224 786.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010032 400727 283.5 UdeM00000010032 XP_025083450.1 61.6
 203 74 2 30 232 133 331 2.40E-73 283.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000010033 6596 147.5 UdeM00000010033 XP_045198557.1 59 134
 51 2 8 141 8 137 1.30E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010034 1529436 69.7 UdeM00000010034 XP_033121705.1 46.5
 71 36 1 24 92 49 119 7.70E-09 69.7 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica

UdeM00000010035 6526 226.5 UdeM00000010035 XP_013061472.1 98.2 109
 2 0 144 252 53 161 3.80E-56 226.5 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biophalaria;Biophalaria
 glabrata

UdeM00000010036 6596 362.1 UdeM00000010036 XP_045197975.1 51.8 357
 166 2 115 471 1516 1866 1.20E-96 362.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010037 1735272 102.8 UdeM00000010037 XP_041351593.1 24.4
 377 264 11 119 481 826 1195 1.30E-18 102.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010038 46514 69.3 UdeM00000010038 XP_038058027.1 29.8 171
 103 7 46 207 1365 1527 7.40E-09 69.3 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000010039 7739 72 UdeM00000010039 XP_035688627.1 32.5 123
 73 4 23 144 312 425 2.50E-09 72 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000010040 29159 76.3 UdeM00000010040 XP_011456828.2 27.2 382
 224 14 3 360 4 355 9.60E-11 76.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010042 6573 241.9 UdeM00000010042 XP_021357351.1 47.3 245
 126 2 56 300 86 327 1.10E-60 241.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010043 6596 181.8 UdeM00000010043 XP_045196988.1 30.6 676
 317 28 6 582 51 673 2.60E-42 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010044 1735272 531.9 UdeM00000010044 XP_041350900.1 47.2
 595 282 5 12 579 11 600 1.10E-147 531.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010045 6596 226.1 UdeM00000010045 XP_045186349.1 49.8 213
 99 2 6 215 10 217 4.30E-56 226.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010046 6596 221.9 UdeM00000010046 XP_045186349.1 48.8 213
 103 2 6 218 9 215 8.30E-55 221.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010047 6596 231.9 UdeM00000010047 XP_045186349.1 49.8 211
 101 1 6 216 10 215 8.00E-58 231.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010048 6596 228.8 UdeM00000010048 XP_045186349.1 49.8 211
 101 1 6 216 10 215 6.80E-57 228.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010049 1735272 632.5 UdeM00000010049 XP_041352142.1 79.8
 431 82 2 41 466 1 431 4.30E-178 632.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010050 1735272 613.6 UdeM00000010050 XP_041352142.1 73
 471 82 3 41 506 1 431 2.20E-172 613.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010051 6596 486.1 UdeM00000010051 XP_045195290.1 35.9 829
 469 11 14 829 32 811 8.90E-134 486.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010052 6596 280.4 UdeM00000010052 XP_045195290.1 35.5 451
 288 3 27 476 363 811 4.30E-72 280.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010053 6579 1286.6 UdeM00000010053 XP_033740095.1 51.8
 1389 526 18 1 1376 1 1258 0.00E+00 1286.6 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010054 2607531 661.8 UdeM00000010054 XP_029652523.1 45.3
 880 321 15 58 871 1484 2269 1.30E-186 661.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000010055 6579 386 UdeM00000010055 XP_033740100.1 65.6 279
 93 1 4 282 1 276 4.40E-104 386 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000010056 225164 115.2 UdeM00000010056 XP_009058200.1 53.6
110 51 0 1 110 1 110 5.70E-23 115.2 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000010057 181472 156 UdeM00000010057 XP_029975096.1 53.8
130 60 0 12 141 255 384 3.60E-35 156 181472
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorpha; Euacanthomorpha; Percomorphaceae; Ovalentaria; Blenniiformes; Blennioidei; Blenniidae; Salariae; Salariae; Salariae fasciatus
UdeM00000010058 6579 208 UdeM00000010058 XP_033752673.1 53.8 197
63 1 112 280 456 652 1.60E-50 208 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000010059 6579 208 UdeM00000010059 XP_033752673.1 53.8 197
63 1 144 312 456 652 1.70E-50 208 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000010060 225164 120.6 UdeM00000010060 XP_009058199.1 53.5
114 46 2 1 114 1 107 1.30E-24 120.6 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea
UdeM00000010062 6596 759.6 UdeM00000010062 XP_045196001.1 72.6 500
126 2 1 500 1 489 2.50E-216 759.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010063 6596 854.7 UdeM00000010063 XP_045196002.1 92.1 469
36 1 1 469 1 468 5.40E-245 854.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010064 6565 233.4 UdeM00000010064 XP_022292021.1 75 160
40 0 1 160 1 160 2.00E-58 233.4 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000010065 6500 187.2 UdeM00000010065 XP_012944080.1 75.4 118
29 0 293 410 325 442 4.20E-44 187.2 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000010067 7574 201.8 UdeM00000010067 XP_013389944.1 57.4 162
66 2 168 326 219 380 1.30E-48 201.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000010068 6596 261.5 UdeM00000010068 XP_045197458.1 69.6 191
54 2 1424 1614 242 428 6.90E-66 261.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010068 6596 211.1 UdeM00000010068 XP_045197458.1 59.4 219
78 2 1 208 1 219 1.10E-50 211.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010069 2652724 175.6 UdeM00000010069 XP_020913146.1 49.5
194 97 1 166 359 177 369 1.40E-40 175.6 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000010070 6579 63.2 UdeM00000010070 XP_033729790.1 50 62
31 0 10 71 17 78 1.60E-07 63.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010071 218467 211.1 UdeM00000010071 XP_023239318.1 36.1
391 170 10 52 391 6 367 2.80E-51 211.1 218467
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
UdeM00000010072 6596 554.3 UdeM00000010072 XP_045197456.1 56.6 541
214 7 1 528 1 533 1.70E-154 554.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010073 6596 153.7 UdeM00000010073 XP_045197462.1 78.9 90
19 0 24 113 23 112 1.60E-34 153.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010074 6579 369 UdeM00000010074 XP_033741442.1 87.8 205
25 0 2 206 3 207 7.80E-99 369 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010075 400727 334.7 UdeM00000010075 XP_025112651.1 54
298 128 3 7 297 9 304 1.20E-88 334.7 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000010076 29159 169.5 UdeM00000010076 XP_034334577.1 39.6 207
118 3 10 213 20 222 5.20E-39 169.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010077 6573 107.1 UdeM00000010077 XP_021349218.1 34.8 198
102 6 5 187 2228 2413 2.50E-20 107.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010078 29159 895.6 UdeM00000010078 XP_034331093.1 81.2 512
95 1 1 512 1 511 3.00E-257 895.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010079 29159 867.8 UdeM00000010079 XP_034331093.1 83 483
82 0 1 483 1 483 6.80E-249 867.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010081 50429 111.7 UdeM00000010081 XP_022783473.1 38.7 155
91 2 8 159 9 162 4.30E-21 111.7 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata

UdeM00000010083 6579 703.7 UdeM00000010083 XP_033728194.1 51.2 693
325 5 1 684 282 970 2.20E-199 703.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010084 6596 389.8 UdeM00000010084 XP_045197714.1 45 398
210 4 402 791 547 943 8.40E-105 389.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010085 6596 402.5 UdeM00000010085 XP_045198137.1 67 388
106 4 1 385 1 369 6.00E-109 402.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010086 6596 144.1 UdeM00000010086 XP_045196920.1 30.3 376
191 13 433 771 271 612 8.20E-31 144.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010087 6596 7651.6 UdeM00000010087 XP_045198576.1 69.1
5651 1303 40 1 5358 1 5500 0.00E+00 7651.6 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010088	6579	1283.5		UdeM00000010088	XP_033740585.1	85.6			
	731	105	0		1	731	0.00E+00	1283.5	6579

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010089	400727		451.1	UdeM00000010089	XP_025098629.1	70.6					
	344	82	5		79	422	217	541	1.60E-123	451.1	400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000010090	400727		231.1	UdeM00000010090	XP_025093082.1	52.1					
	217	99	4		17	232	40	252	1.70E-57	231.1	400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000010091	225164		91.3	UdeM00000010091	XP_009047066.1	42.9					
	98	56	0		26	123	48	145	9.40E-16	91.3	225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000010092	6579	90.1		UdeM00000010092	XP_033746378.1	50.5	97				
	47	1	36		132	55	150	2.30E-15	90.1	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010093	6596	146.7		UdeM00000010093	XP_045196321.1	55.3	132				
	52	2	654		785	361	485	1.20E-31	146.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010094	6596	186		UdeM00000010094	XP_045191308.1	32.9	347				
	217	6	22		352	82	428	8.30E-44	186	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010095	7897	79		UdeM00000010095	XP_005987476.1	42.6	101				
	50	3	72		169	98	193	6.70E-12	79	7897	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Coelacanthimorpha;Coelacanthiformes;Coelacanthidae;Latimeria;La
timeria chalumnae

UdeM00000010096	6596	87.4		UdeM00000010096	XP_045191308.1	33.6	134				
	87	1	9		140	295	428	1.70E-14	87.4	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010097 6596 190.7 UdeM00000010097 XP_045189481.1 36.9 279
165 6 78 348 164 439 3.30E-45 190.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010098 6596 185.3 UdeM00000010098 XP_045189481.1 35.8 279
168 6 78 348 164 439 1.40E-43 185.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010099 6596 354.4 UdeM00000010099 XP_045198102.1 63.7 292
93 3 19 301 98 385 1.90E-94 354.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010101 6596 328.6 UdeM00000010101 XP_045199005.1 38 453
264 5 1 437 17 468 1.20E-86 328.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010102 6596 455.7 UdeM00000010102 XP_045195342.1 47.5 575
273 7 20 591 45 593 9.10E-125 455.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010103 6596 456.1 UdeM00000010103 XP_045195342.1 47.5 575
273 7 10 581 45 593 6.90E-125 456.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010104 6579 192.6 UdeM00000010104 XP_033739654.1 32.8 366
121 6 13 328 67 357 8.30E-46 192.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010105 1735272 336.7 UdeM00000010105 XP_041353928.1 56.9
290 124 1 42 331 71 359 3.50E-89 336.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010106 6596 112.8 UdeM00000010106 XP_045196993.1 60.7 191
70 4 1 189 1 188 2.60E-21 112.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010107 6596 543.5 UdeM00000010107 XP_045198474.1 36.8 1196
573 23 1 1072 1 1137 6.10E-151 543.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010108 6596 543.9 UdeM00000010108 XP_045198474.1 37 1194
570 22 1 1069 1 1137 4.60E-151 543.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010109 6596 387.5 UdeM00000010109 XP_045196240.1 63.8 290
100 3 32 320 12 297 1.70E-104 387.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010110 6596 1407.5 UdeM00000010110 XP_045196238.1 80.5
825 155 1 2 826 3 821 0.00E+00 1407.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010111 6579 94.7 UdeM00000010111 XP_033739369.1 29.6 314
193 9 942 1242 702 1000 8.60E-16 94.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010112 1735272 356.3 UdeM00000010112 XP_041351654.1 79.6
216 44 0 1 216 1 216 2.80E-95 356.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010113 29159 117.5 UdeM00000010113 XP_034317333.1 60 80
32 0 1 80 1 80 9.70E-24 117.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010114 6579 1459.5 UdeM00000010114 XP_033741047.1 56.5
1375 514 21 8 1322 82 1432 0.00E+00 1459.5 6579

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010115 6579 1448.3 UdeM00000010115 XP_033741047.1 56.3
1375 514 21 8 1319 82 1432 0.00E+00 1448.3 6579

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010117 6596 175.3 UdeM00000010117 XP_045173138.1 21.3 803
531 22 13 780 17 753 3.20E-40 175.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010118 6596 176 UdeM00000010118 XP_045206913.1 23.6 843
506 24 8 808 4 750 2.00E-40 176 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010119 6596 171.8 UdeM00000010119 XP_045176264.1 22.7 886
594 28 7 825 10 871 3.70E-39 171.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010120 6596 172.2 UdeM00000010120 XP_045176264.1 22.7 886
594 28 7 825 10 871 2.80E-39 172.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010121 6596 91.7 UdeM00000010121 XP_045193425.1 31.5 165
98 4 1 157 1 158 1.00E-15 91.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010122 6596 129 UdeM00000010122 XP_045176264.1 23.5 676
430 23 19 638 172 816 2.30E-26 129 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010123 6596 59.3 UdeM00000010123 XP_045193425.1 39.2 97
48 4 5 97 8 97 3.80E-06 59.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010124 29159 350.9 UdeM00000010124 XP_034335293.1 56.5 324
99 4 99 397 811 1117 2.10E-93 350.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010125 6596 105.9 UdeM00000010125 XP_045198795.1 67.1 70
23 0 4 73 592 661 2.30E-20 105.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010126 6596 115.2 UdeM00000010126 XP_045193425.1 25.6 355
223 11 3 324 2 348 4.10E-22 115.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010127 6596 145.2 UdeM00000010127 XP_045173138.1 21.7 816
511 18 13 794 16 737 3.70E-31 145.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010128 1735272 341.7 UdeM00000010128 XP_041353929.1 64.6
271 94 2 1 270 1 270 1.30E-90 341.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010129 6573 299.3 UdeM00000010129 XP_021369337.1 68.2 223
60 4 1 215 1 220 4.00E-78 299.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010130 30732 189.5 UdeM00000010130 XP_024147527.1 50 208
101 1 15 219 99 306 1.40E-44 189.5 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Belontiiformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000010131 6579 132.5 UdeM00000010131 XP_033740558.1 59.5 111
43 1 221 331 302 410 9.90E-28 132.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010132 1735272 236.9 UdeM00000010132 XP_041351653.1 39.5
309 186 1 1 308 563 871 3.50E-59 236.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010134 225164 157.1 UdeM00000010134 XP_009054440.1 46.9
179 94 1 1 179 1 178 2.10E-35 157.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000010133 225164 156 UdeM00000010133 XP_009054440.1 46.4
179 95 1 26 204 1 178 5.30E-35 156 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000010135 6596 1149.4 UdeM00000010135 XP_045158723.1 66.2
838 282 1 19 855 1 838 0.00E+00 1149.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010136 6579 90.9 UdeM00000010136 XP_033740794.1 48.2 114
55 2 1 110 1 114 1.10E-15 90.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010137 6573 422.2 UdeM00000010137 XP_021377437.1 70.1 284
58 2 16 273 114 396 6.20E-115 422.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010138 6579 1368.6 UdeM00000010138 XP_033740800.1 61.6
1435 476 20 77 1478 548 1940 0.00E+00 1368.6 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010139 6579 131.3 UdeM00000010139 XP_033739578.1 48.8 168
70 3 28 193 12 165 1.30E-27 131.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010140 6596 214.9 UdeM00000010140 XP_045199226.1 45.2 310
161 2 49 358 4 304 1.70E-52 214.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010141 6573 563.1 UdeM00000010141 XP_021350208.1 52.3 593
214 18 1 581 292 827 4.00E-157 563.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010142 29159 208.8 UdeM00000010142 XP_011449831.2 82.6 115
20 0 3 117 75 189 3.90E-51 208.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010143 6579 237.7 UdeM00000010143 XP_033741536.1 65 214
65 3 6 217 1 206 2.90E-59 237.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010144 10224 68.9 UdeM00000010144 XP_006820186.1 47.5 61
32 0 132 192 173 233 7.90E-09 68.9 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii

UdeM00000010145 6596 214.9 UdeM00000010145 XP_045195343.1 65.7 143
48 1 16 157 440 582 7.20E-53 214.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010146 6596 469.5 UdeM00000010146 XP_045195343.1 58 412
116 5 1 360 24 430 3.70E-129 469.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010147 6596 214.2 UdeM00000010147 XP_045195422.1 32.4 410
238 11 27 421 131 516 3.30E-52 214.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010148 6596 217.6 UdeM00000010148 XP_045195422.1 32.8 409
238 12 29 423 131 516 3.00E-53 217.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010149 6573 654.8 UdeM00000010149 XP_021365183.1 79.3 411
75 2 948 1350 137 545 2.30E-184 654.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010150 6573 649.4 UdeM00000010150 XP_021365183.1 78.7 414
75 3 898 1303 137 545 9.50E-183 649.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000043815 37621 139.8 UdeM00000043815 XP_014679100.1 37.1 232
132 8 680 906 78 300 1.70E-29 139.8 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapululus;Priapululus caudatus

UdeM00000043612 400727 140.2 UdeM00000043612 XP_025100004.1 26.5
539 338 25 2 514 364 870 1.20E-29 140.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000043613 7739 585.5 UdeM00000043613 XP_035696678.1 57.2 481
203 1 2 479 423 903 6.60E-164 585.5 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae

UdeM00000043616 29159 201.8 UdeM00000043616 XP_034318217.1 39.4 282
 158 7 145 419 252 527 1.70E-48 201.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043617 29159 201.8 UdeM00000043617 XP_034318217.1 39.4 282
 158 7 159 433 252 527 1.80E-48 201.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043618 6596 263.5 UdeM00000043618 XP_045216906.1 43.4 316
 138 6 6 283 144 456 3.20E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043619 7741 91.3 UdeM00000043619 XP_019629960.1 29.6 196
 131 5 144 334 312 505 2.70E-15 91.3 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000043621 6596 109.4 UdeM00000043621 XP_045195639.1 31.2 250
 151 8 147 380 93 337 1.70E-20 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042376 565050 201.1 UdeM00000042376 YP_002517783.1 34.2
 403 249 8 4 399 2 395 2.70E-48 201.1 565050
 cellular
 organisms;Bacteria;Proteobacteria;Alphaproteobacteria;Caulobacterales;Cau
 lobacteraceae;Caulobacter;Caulobacter vibrioides;Caulobacter vibrioides
 NA1000
 UdeM00000006547 6596 90.9 UdeM00000006547 XP_045214905.1 33 197
 116 5 21 215 46 228 2.20E-15 90.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006548 29159 75.1 UdeM00000006548 XP_011425901.2 31.2 215
 115 8 1 188 13 221 1.10E-10 75.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006549 6565 323.2 UdeM00000006549 XP_022296622.1 70.7 215
 63 0 1 215 1 215 2.60E-85 323.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006550 6565 316.2 UdeM00000006550 XP_022296622.1 67.9 215
 69 0 1 215 1 215 3.10E-83 316.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000006551 29159 303.9 UdeM00000006551 XP_034307830.1 64.7 215
 76 0 1 215 225 439 1.60E-79 303.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000006552 6526 839 UdeM00000006552 XP_013096648.1 78.8 496
 105 0 9 504 49 544 3.30E-240 839 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000006553 6579 386.3 UdeM00000006553 XP_033760330.1 65.9 308
 88 4 1 292 1 307 4.30E-104 386.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006554 6573 308.9 UdeM00000006554 XP_021341731.1 27.5 683
 455 11 11 669 14 680 1.60E-80 308.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000006557 6596 797 UdeM00000006557 XP_045165173.1 49.5 1028
 441 14 31 1020 37 1024 2.90E-227 797 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006558 6596 125.9 UdeM00000006558 XP_045176795.1 40.8 157
 82 3 12 163 9 159 6.00E-26 125.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006559 6596 312.4 UdeM00000006559 XP_045165720.1 84.1 176
 28 0 51 226 1 176 4.80E-82 312.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006560 6596 265.4 UdeM00000006560 XP_045165720.1 85.6 146
 21 0 51 196 1 146 6.20E-68 265.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006561 6579 153.3 UdeM00000006561 XP_033744372.1 35.1 245
 94 2 3 182 15 259 3.60E-34 153.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000006562 6596 136.7 UdeM00000006562 XP_045199200.1 32.3 334
 212 5 175 501 16 342 7.90E-29 136.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006563 6596 85.1 UdeM00000006563 XP_045165888.1 24.5 474
 305 13 1 432 1 463 3.70E-13 85.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000006565 6565 273.9 UdeM00000006565 XP_022300340.1 52.8 229
 108 0 52 280 150 378 2.30E-70 273.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000006564 6565 431.8 UdeM00000006564 XP_022300341.1 56.7 365
 149 1 3 358 1 365 8.50E-118 431.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016120 6596 223.8 UdeM00000016120 XP_045174504.1 60.6 142
 56 0 7 148 107 248 1.50E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016119 6573 360.5 UdeM00000016119 XP_021374474.1 54.6 280
 122 1 210 489 356 630 3.30E-96 360.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016121 6596 109.4 UdeM00000016121 XP_045174776.1 44.7 141
 72 3 2 142 346 480 4.70E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016122 6596 122.5 UdeM00000016122 XP_045174776.1 72.4 87
 24 0 2 88 257 343 3.40E-25 122.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016123 6573 178.3 UdeM00000016123 XP_021353072.1 47.3 239
 95 7 99 320 19 243 1.60E-41 178.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016125 29159 490.3 UdeM00000016125 XP_019926412.2 50.8 494
 232 7 1 490 1 487 2.90E-135 490.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016126 6500 108.2 UdeM00000016126 XP_012934855.1 48.5 136
 43 3 1 109 106 241 7.30E-21 108.2 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica

UdeM00000016127 6596 604.4 UdeM00000016127 XP_045174692.1 57.5 501
210 3 118 616 740 1239 1.80E-169 604.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016129 77115 70.1 UdeM00000016129 XP_038144245.1 44.4 72
40 0 1 72 315 386 1.30E-09 70.1 77115 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Atherinomorphae; Cyprinodontiformes; Cyprinodontoides; Cyprinodontidae; Cyprinodontinae; Cyprinodontini; Cyprinodon; Cyprinodon tularosa

UdeM00000016130 29159 182.2 UdeM00000016130 XP_034334268.1 60.7 135
50 1 59 193 129 260 6.40E-43 182.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriormorphia; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000016131 6596 331.6 UdeM00000016131 XP_045177159.1 45.9 436
210 5 27 452 44 463 1.60E-87 331.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016133 6596 380.6 UdeM00000016133 XP_045174831.1 54.8 438
165 9 43 452 36 468 2.90E-102 380.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016134 6596 129.8 UdeM00000016134 XP_045175618.1 44.3 131
72 1 10 139 17 147 2.70E-27 129.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016135 6596 206.1 UdeM00000016135 XP_045174893.1 67.8 143
45 1 3 144 4 146 3.20E-50 206.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016136 6573 79.3 UdeM00000016136 XP_021338900.1 24.1 370
233 12 4222 4581 735 1066 1.50E-10 79.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriormorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000016138 6573 79.3 UdeM00000016138 XP_021338900.1 24.1 370
233 12 4222 4581 735 1066 1.60E-10 79.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000016139 6596 861.7 UdeM00000016139 XP_045174410.1 49.2 1017
454 22 721 1705 707 1692 1.60E-246 861.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016140 6596 288.9 UdeM00000016140 XP_045176445.1 71.9 199
51 3 1 198 6 200 5.00E-75 288.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016141 6596 232.6 UdeM00000016141 XP_045187536.1 72.8 162
43 1 2 163 228 388 3.50E-58 232.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016142 6596 439.9 UdeM00000016142 XP_045187536.1 65.3 331
113 1 1 331 396 724 2.90E-120 439.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016143 6596 296.2 UdeM00000016143 XP_045187536.1 61.5 231
87 1 1 231 496 724 3.60E-77 296.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016144 6573 266.9 UdeM00000016144 XP_021338931.1 56.1 237
103 1 23 258 9 245 3.00E-68 266.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000016145 6596 262.7 UdeM00000016145 XP_045176427.1 58.2 225
86 3 6 228 3 221 4.60E-67 262.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016146 29159 399.1 UdeM00000016146 XP_011441362.1 86.2 218
30 0 4 221 3 220 3.90E-108 399.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000016147 1735272 338.6 UdeM00000016147 XP_041365115.1 78.2
211 39 1 89 292 1 211 8.10E-90 338.6 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopiridae; Gigantopelta; Gigantopelta aegis

UdeM00000016148 6573 276.9 UdeM00000016148 XP_021353390.1 43.5 400
 187 10 1 384 239 615 3.80E-71 276.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016149 6596 213 UdeM00000016149 XP_045175651.1 36.2 459
 218 15 6 419 527 955 1.30E-51 213 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016150 6596 908.7 UdeM00000016150 XP_045175651.1 54 943
 343 16 1 898 59 955 8.20E-261 908.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016151 29159 184.9 UdeM00000016151 XP_034338782.1 52.6 173
 75 2 113 284 67 233 1.40E-43 184.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016152 7159 656 UdeM00000016152 XP_021695061.1 35.5 951
 611 2 524 1472 994 1944 1.10E-184 656 7159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Culicinae;Aedini;Aedes;Stegomyia;Aedes
 aegypti
 UdeM00000016153 7159 656 UdeM00000016153 XP_021695061.1 35.5 951
 611 2 524 1472 994 1944 1.10E-184 656 7159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Culicinae;Aedini;Aedes;Stegomyia;Aedes
 aegypti
 UdeM00000016154 7159 652.9 UdeM00000016154 XP_021695061.1 34.7 948
 614 3 479 1423 1031 1976 9.60E-184 652.9 7159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Culicinae;Aedini;Aedes;Stegomyia;Aedes
 aegypti
 UdeM00000016155 6565 323.2 UdeM00000016155 XP_022311595.1 36.2 854
 398 29 38 831 66 832 9.90E-85 323.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016156 1735272 97.8 UdeM00000016156 XP_041367600.1 71.2
 73 21 0 4 76 12 84 7.10E-18 97.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016157 6596 93.6 UdeM00000016157 XP_045174850.1 45.9 111
 55 2 5 114 368 474 1.90E-16 93.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016158 29159 466.5 UdeM00000016158 XP_011436901.2 49.7 453
 226 1 23 475 10 460 4.20E-128 466.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016159 6579 1825.8 UdeM00000016159 XP_033753517.1 61.1
 1765 618 15 1 1751 270 1979 0.00E+00 1825.8 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016160 6500 357.5 UdeM00000016160 XP_005107466.1 70.4 247
 70 2 1 244 1 247 1.50E-95 357.5 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000016161 6573 199.9 UdeM00000016161 XP_021369017.1 45.8 192
 104 0 4 195 3 194 5.10E-48 199.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016162 6573 343.6 UdeM00000016162 XP_021369001.1 88.4 190
 22 0 5 194 654 843 4.60E-91 343.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016163 6579 125.2 UdeM00000016163 XP_033751642.1 36.5 197
 119 2 256 451 158 349 2.20E-25 125.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016164 6579 216.9 UdeM00000016164 XP_033751642.1 49 241
 116 3 156 395 118 352 4.90E-53 216.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016165 6579 1217.2 UdeM00000016165 XP_033751641.1 91.3
 653 57 0 1 653 1 653 0.00E+00 1217.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016166 29159 255.4 UdeM00000016166 XP_019926091.2 42.6 376
 174 3 108 441 17 392 1.80E-64 255.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016167 6596 433.7 UdeM00000016167 XP_045190672.1 25.6 1506
 965 43 475 1875 413 1868 1.20E-117 433.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016168 109280 80.1 UdeM00000016168 XP_019731430.1 36.4
 140 79 4 10 149 12 141 2.80E-12 80.1 109280
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Syngnathiaria;Syngnathiformes;S
 yngnathoidei;Syngnathidae;Hippocampinae;Hippocampus;Hippocampus comes
 UdeM00000016169 1735272 148.7 UdeM00000016169 XP_041366300.1 65.7
 105 36 0 1 105 1 105 6.50E-33 148.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016170 6596 874.4 UdeM00000016170 XP_045175810.1 71 651
 141 7 1 603 1 651 8.40E-251 874.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016171 1735272 889.4 UdeM00000016171 XP_041365074.1 61.4
 720 254 5 1 718 1 698 4.10E-255 889.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016173 6596 79.7 UdeM00000016173 XP_045174622.1 55.4 56
 25 0 188 243 52 107 6.00E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016174 6596 127.5 UdeM00000016174 XP_045176900.1 29 411
 257 12 332 727 292 682 7.00E-26 127.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016175 6579 513.1 UdeM00000016175 XP_033753321.1 49.4 638
 293 8 4 633 6 621 5.20E-142 513.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016176 6596 318.2 UdeM00000016176 XP_045174669.1 73.5 204
 54 0 1 204 1 204 8.20E-84 318.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016177 6500 964.5 UdeM00000016177 XP_035826744.1 46.5 1069
 534 10 70 1134 137 1171 1.20E-277 964.5 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000016178 46514 117.9 UdeM00000016178 XP_038047006.1 44.9 147
 75 1 16 156 251 397 1.20E-23 117.9 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000016179 6596 263.1 UdeM00000016179 XP_045174669.1 60.8 199
 75 2 1 196 402 600 2.90E-67 263.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016180 6596 142.1 UdeM00000016180 XP_045174775.1 51.3 119
 58 0 3 121 9 127 4.60E-31 142.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016181 6573 709.9 UdeM00000016181 XP_021349478.1 62.6 553
 194 7 111 658 98 642 3.00E-201 709.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016182 6579 643.7 UdeM00000016182 XP_033752776.1 74.5 404
 103 0 11 414 54 457 1.70E-181 643.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016183 29159 414.1 UdeM00000016183 XP_011438219.2 56 348
 148 3 16 359 42 388 1.80E-112 414.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016184 6596 192.2 UdeM00000016184 XP_045216476.1 45.6 228
 120 3 801 1025 476 702 3.30E-45 192.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016185 6596 585.1 UdeM00000016185 XP_045175443.1 66 444
 135 5 1 441 1 431 7.40E-164 585.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016186 6596 224.2 UdeM00000016186 XP_045175444.1 59.4 234
 81 2 1 221 1 233 1.70E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016187 6596 454.1 UdeM00000016187 XP_045176557.1 43.5 593
304 11 1 588 1 567 2.60E-124 454.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016188 6579 703.4 UdeM00000016188 XP_033751573.1 67.4 509
161 3 1 505 1 508 2.30E-199 703.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016189 1735272 426 UdeM00000016189 XP_041367058.1 42.5
590 313 14 422 1003 106 677 1.30E-115 426 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016190 1735272 411.4 UdeM00000016190 XP_041367058.1 39.6
627 317 13 422 1041 106 677 3.50E-111 411.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016191 6579 274.2 UdeM00000016191 XP_033752814.1 65.7 207
56 3 1 199 1 200 1.30E-70 274.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016192 6596 253.4 UdeM00000016192 XP_045176627.1 27.3 733
432 23 71 754 64 744 8.90E-64 253.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016193 6596 128.3 UdeM00000016193 XP_045174767.1 59.1 93
38 0 74 166 139 231 9.40E-27 128.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016194 6596 251.1 UdeM00000016194 XP_045174767.1 50.9 224
110 0 10 233 8 231 1.30E-63 251.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016195 225164 144.1 UdeM00000016195 XP_009062353.1 97
67 2 0 1 67 1 67 6.70E-32 144.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000016196	6596	103.2	UdeM00000016196	XP_045177172.1	65.9	123
31	4	1	117	36	153	3.70E-19

103.2 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016197	400727	117.1	UdeM00000016197	XP_025108466.1	37.5	
200	113	3	4	203	325	512

2.70E-23 117.1 400727 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000016198	6596	1257.7	UdeM00000016198	XP_045174440.1	38.9	
1718	809	36	46	1546	7	1701

0.00E+00 1257.7 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016199	6596	919.8	UdeM00000016199	XP_045174440.1	36	1382
774	25	3	1277	9	1386	6.00E-264

919.8 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016200	29159	89	UdeM00000016200	XP_011415166.2	22.6	402
279	12	266	648	235	623	2.50E-14

89 29159 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016201	6596	275	UdeM00000016201	XP_045175769.1	95.2	146
7	0	1	146	1	146	5.50E-71

275 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016202	6596	358.2	UdeM00000016202	XP_045175769.1	92.9	197
14	0	1	197	1	197	6.60E-96

358.2 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016203	6579	391.7	UdeM00000016203	XP_033753346.1	54.8	409
154	8	1	407	1	380	1.10E-105

391.7 6579 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016205	6596	222.2	UdeM00000016205	XP_045175340.1	59.1	171
70	0	275	445	144	314	1.30E-54

222.2 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016204 6573 1044.6 UdeM00000016204 XP_021368079.1 55.1
1068 371 19 267 1271 458 1480 9.90E-302 1044.6 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016206 6596 641.3 UdeM00000016206 XP_045176658.1 63.4 495
161 6 8 488 9 497 1.00E-180 641.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016207 6596 672.2 UdeM00000016207 XP_045176658.1 64.8 495
166 4 8 500 9 497 5.40E-190 672.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016208 6596 690.3 UdeM00000016208 XP_045175490.1 59.1 596
235 4 1 595 11 598 2.20E-195 690.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016209 6596 398.7 UdeM00000016209 XP_045177161.1 83.7 221
36 0 13 233 5 225 6.70E-108 398.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016210 6596 127.5 UdeM00000016210 XP_045177161.1 73.8 84
22 0 1 84 234 317 9.40E-27 127.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016211 6596 129 UdeM00000016211 XP_045177161.1 70.8 89
26 0 1 89 234 322 3.20E-27 129 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016212 1735272 122.9 UdeM00000016212 XP_041365781.1 59.8
97 33 2 26 116 406 502 4.20E-25 122.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016213 1735272 122.9 UdeM00000016213 XP_041365781.1 59.8
97 33 2 13 103 406 502 3.90E-25 122.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000016215 29159 503.4 UdeM00000016215 XP_019926412.2 51.8 494
 227 7 1 490 1 487 3.30E-139 503.4 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000016216 6579 201.4 UdeM00000016216 XP_033752363.1 66.2 148
 42 3 42 184 26 170 1.30E-48 201.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000016217 6596 460.3 UdeM00000016217 XP_045176172.1 66.7 336
 112 0 3 338 2 337 2.30E-126 460.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000016218 70779 79.7 UdeM00000016218 XP_015764363.1 28.5 284
 168 10 4 269 6 272 7.10E-12 79.7 70779 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa-
 corallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora
 digitifera
 UdeM00000016219 400727 655.2 UdeM00000016219 XP_025085515.1 41.2
 770 426 14 18 766 22 785 5.80E-184 655.2 400727
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl-
 ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
 UdeM00000016220 400727 651 UdeM00000016220 XP_025085515.1 41.2
 771 400 15 18 767 22 760 1.10E-182 651 400727
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl-
 ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
 UdeM00000016221 6596 339.3 UdeM00000016221 XP_045174346.1 52.7 315
 146 1 19 330 8 322 5.30E-90 339.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000016222 6596 349 UdeM00000016222 XP_045177024.1 55.7 359
 128 7 6 338 4 357 6.90E-93 349 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria
 UdeM00000016223 6573 386.3 UdeM00000016223 XP_021352974.1 46.6 513
 214 14 7 509 5 467 6.00E-104 386.3 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
 UdeM00000016224 6596 152.5 UdeM00000016224 XP_045177189.1 55.8 129
 56 1 1 128 175 303 4.70E-34 152.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016225 6596 313.2 UdeM00000016225 XP_045177189.1 63.8 246
88 1 1 245 58 303 3.50E-82 313.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016226 6596 123.2 UdeM00000016226 XP_045177189.1 83.1 71
12 0 1 71 58 128 1.40E-25 123.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016227 6596 241.5 UdeM00000016227 XP_045176021.1 55.7 212
88 3 101 309 72 280 1.40E-60 241.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016229 7574 205.3 UdeM00000016229 XP_013400802.1 56.2 178
73 2 1 175 119 294 6.40E-50 205.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000016230 7574 236.1 UdeM00000016230 XP_013419822.1 52.8 216
97 2 195 407 2 215 7.90E-59 236.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000016231 7574 208 UdeM00000016231 XP_013400802.1 56.7 178
72 2 1 175 119 294 9.90E-51 208 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000016232 7574 240 UdeM00000016232 XP_013419822.1 53.2 216
96 2 195 407 2 215 5.40E-60 240 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000016233 7574 208 UdeM00000016233 XP_013400802.1 56.7 178
72 2 1 175 119 294 9.90E-51 208 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000016234 7574 240 UdeM00000016234 XP_013419822.1 53.2 216
96 2 195 407 2 215 5.40E-60 240 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000016235 7574 208 UdeM00000016235 XP_013400802.1 56.7 178
72 2 1 175 119 294 9.90E-51 208 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000016236 7574 240 UdeM00000016236 XP_013419822.1 53.2 216
96 2 195 407 2 215 5.40E-60 240 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000016237 7574 207.6 UdeM00000016237 XP_013400802.1 56.7 178
72 2 1 175 119 294 1.30E-50 207.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000016238 6565 132.5 UdeM00000016238 XP_022297037.1 40.6 187
104 3 6 187 11 195 5.60E-28 132.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000016239 7739 288.9 UdeM00000016239 XP_035685156.1 42.6 418
199 11 1 381 122 535 9.60E-75 288.9 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000016240 6596 240 UdeM00000016240 XP_045176021.1 55.2 212
89 3 208 416 72 280 5.60E-60 240 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016241 29159 1061.6 UdeM00000016241 XP_011434353.2 40.1
1781 906 28 6 1682 4 1727 1.00E-306 1061.6
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016242 6579 464.9 UdeM00000016242 XP_033751691.1 65.9 314
105 1 1 314 1 312 8.00E-128 464.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000016243 6596 403.3 UdeM00000016243 XP_045175808.1 39.8 505
287 7 158 659 171 661 6.00E-109 403.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016244 6565 454.5 UdeM00000016244 XP_022287405.1 76.5 370
80 1 84 446 30 399 1.50E-124 454.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000016245 6596 218 UdeM00000016245 XP_045176299.1 50 200
100 0 1 200 128 327 1.50E-53 218 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016246 6596 276.6 UdeM00000016246 XP_045176347.1 59.6 230
82 5 20 246 39 260 3.20E-71 276.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016248 6596 565.1 UdeM00000016248 XP_045176492.1 46.2 654
286 11 14 635 154 773 1.20E-157 565.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016249 6579 1324.3 UdeM00000016249 XP_033750824.1 55.2
1206 494 11 1 1196 302 1471 0.00E+00 1324.3 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016250 6596 484.6 UdeM00000016250 XP_045174748.1 64 353
126 1 1 352 1 353 1.10E-133 484.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016251 6596 1063.9 UdeM00000016251 XP_045175829.1 73.5
684 179 2 1 683 1 683 8.50E-308 1063.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016252 6596 129.4 UdeM00000016252 XP_045174749.1 52 125
60 0 3 127 28 152 4.40E-27 129.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016253 1415580 128.6 UdeM00000016253 XP_030063023.1 53.1
113 53 0 1 113 26 138 5.00E-27 128.6 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000016254 6596 1600.5 UdeM00000016254 XP_045175407.1 63.2
1330 434 14 1 1299 1 1306 0.00E+00 1600.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016255 6596 640.2 UdeM00000016255 XP_045176137.1 51.6 643
 298 7 11 647 30 665 2.90E-180 640.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016256 6596 1302.3 UdeM00000016256 XP_045174191.1 60.4
 1428 504 15 8 1383 9 1426 0.00E+00 1302.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016257 6596 124.8 UdeM00000016257 XP_045175813.1 48.3 151
 63 3 5 141 99 248 8.80E-26 124.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016258 6596 129 UdeM00000016258 XP_045174849.1 56.9 130
 46 4 1 125 1 125 4.20E-27 129 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016259 6573 609.4 UdeM00000016259 XP_021364689.1 62.2 484
 179 3 6 487 28 509 4.30E-171 609.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016260 6596 355.9 UdeM00000016260 XP_045176100.1 64.7 255
 86 1 1 251 1 255 4.80E-95 355.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016261 6565 528.1 UdeM00000016261 XP_022293794.1 84.3 286
 45 0 48 333 43 328 8.10E-147 528.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016262 29159 273.9 UdeM00000016262 XP_011450742.2 90.3 145
 14 0 16 160 5 149 1.30E-70 273.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016263 7574 174.1 UdeM00000016263 XP_013396986.1 66.4 116
 38 1 1 115 1 116 1.00E-40 174.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000016265 7159 137.1 UdeM00000016265 XP_021694571.1 21.5 526
 341 15 23 487 42 556 6.20E-29 137.1 7159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Diptera; Nematocera; Culicomorpha; Culicoidea; Culicidae; Culicinae; Aedini; Aedes; Stegomyia; Aedes aegypti

UdeM00000016266 37621 112.8 UdeM00000016266 XP_014679849.1 68.5 73
23 0 21 93 118 190 2.60E-22 112.8 37621 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000016267 37621 107.8 UdeM00000016267 XP_014679849.1 50 92
44 2 2 91 394 485 8.40E-21 107.8 37621 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000016268 6596 540.4 UdeM00000016268 XP_045176801.1 56.8 470
193 6 30 493 70 535 2.30E-150 540.4 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016269 6596 636 UdeM00000016269 XP_045175234.1 79.9 398
77 2 29 424 34 430 3.50E-179 636 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016270 1735272 350.1 UdeM00000016270 XP_041367841.1 55.9
299 129 1 1 296 1 299 2.70E-93 350.1 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000016271 6596 175.3 UdeM00000016271 XP_045174452.1 64 125
35 2 1 121 15 133 4.90E-41 175.3 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000016272 6579 764.6 UdeM00000016272 XP_033751295.1 72.6 508
136 2 8 513 137 643 8.00E-218 764.6 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000016273 6573 453 UdeM00000016273 XP_021342489.1 49.2 530
203 6 1 508 1 486 5.10E-124 453 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000016275 29159 65.1 UdeM00000016275 XP_034331443.1 63.6 55
20 0 1 55 37 91 4.70E-08 65.1 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000016276 29159 225.7 UdeM00000016276 XP_034331441.1 42 288
 157 9 8 291 564 845 7.60E-56 225.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016277 6596 260.4 UdeM00000016277 XP_045192074.1 46.7 306
 154 5 47 346 2119 2421 3.30E-66 260.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016283 6596 114 UdeM00000016283 XP_045175754.1 37.4 131
 82 0 1 131 2 132 9.40E-22 114 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016284 6596 395.2 UdeM00000016284 XP_045176222.1 46.6 534
 241 14 19 530 70 581 1.40E-106 395.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016285 6596 240.7 UdeM00000016285 XP_045174980.1 41.8 273
 156 1 6 275 3 275 2.50E-60 240.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016286 6573 622.9 UdeM00000016286 XP_021350311.1 58.8 573
 196 6 1 569 1 537 4.20E-175 622.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016287 6579 235.7 UdeM00000016287 XP_033752230.1 74.5 439
 105 4 7 445 5 436 1.10E-58 235.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016288 6573 240 UdeM00000016288 XP_021365446.1 38.1 425
 214 12 9 417 10 401 5.50E-60 240 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016289 6596 322 UdeM00000016289 XP_045176077.1 57.7 527
 192 9 1 502 92 612 1.30E-84 322 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016290 6596 65.1 UdeM00000016290 XP_045176075.1 50.8 63
 31 0 1 63 1 63 4.30E-08 65.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016291 6596 226.1 UdeM00000016291 XP_045174630.1 27.4 803
427 28 8 766 9 699 1.50E-55 226.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016292 225164 514.2 UdeM00000016292 XP_009066028.1 29.3
1287 747 17 6 1162 7 1260 4.30E-142 514.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000016293 6596 305.8 UdeM00000016293 XP_045176431.1 45.5 387
199 4 271 654 117 494 1.40E-79 305.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016294 6596 271.9 UdeM00000016294 XP_045176545.1 58.3 300
103 5 40 326 43 333 1.00E-69 271.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016295 6596 263.1 UdeM00000016295 XP_045175564.1 45.8 286
136 6 53 331 28 301 4.90E-67 263.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016296 6596 260 UdeM00000016296 XP_045175564.1 45.5 286
137 5 63 341 28 301 4.20E-66 260 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016297 6596 760 UdeM00000016297 XP_045174770.1 52.3 773
353 7 2 770 46 806 2.90E-216 760 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016298 6596 756.5 UdeM00000016298 XP_045174770.1 50.9 798
376 7 1 794 21 806 3.40E-215 756.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000016299 1735272 286.2 UdeM00000016299 XP_041366504.1 70.2
198 58 1 4 201 2 198 3.30E-74 286.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pelto-
 tospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000016300 6579 273.1 UdeM00000016300 XP_033751800.1 67.8 205
 65 1 1 205 1 204 2.90E-70 273.1 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000016301 6579 428.3 UdeM00000016301 XP_033751614.1 70.5 339
 84 9 62 396 272 598 1.30E-116 428.3 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000016302 6579 411.4 UdeM00000016302 XP_033751614.1 69 336
 84 9 62 386 272 598 1.70E-111 411.4 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000016303 6573 109.4 UdeM00000016303 XP_021368061.1 43.8 194
 102 6 1 192 19 207 7.90E-21 109.4 6573 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect-
 inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000016304 6596 2575.8 UdeM00000016304 XP_045174710.1 70.6
 1873 483 19 40 1867 253 2103 0.00E+00 2575.8 6596
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000016305 6565 322 UdeM00000016305 XP_022319337.1 63.5 244
 86 2 3 246 8 248 6.60E-85 322 6565 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000016308 29159 441 UdeM00000016308 XP_034313077.1 63.8 323
 117 0 1 323 1 323 1.30E-120 441 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr-
 eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000016309 6596 158.3 UdeM00000016309 XP_045187489.1 27.3 411
 287 4 1 409 2 402 2.80E-35 158.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue-
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari-
 a mercenaria

UdeM00000016313 8355 141 UdeM00000016313 XP_018105792.1 52.7 146
 68 1 5 150 508 652 1.30E-30 141 8355 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi-
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc-
 opterygii; Dipnotetrapodomorpha; Tetrapoda; Amphibia; Batrachia; Anura; Pipoide-
 a; Pipidae; Xenopodinae; Xenopus; Xenopus; Xenopus laevis

UdeM00000016314 6596 1089.3 UdeM00000016314 XP_045176183.1 59.1
 991 364 15 6 978 137 1104 0.00E+00 1089.3 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016317 6596 141 UdeM00000016317 XP_045175211.1 60.2 123
38 2 100 211 316 438 1.80E-30 141 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016316 6596 210.3 UdeM00000016316 XP_045175211.1 66.2 160
43 2 100 248 316 475 2.80E-51 210.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016320 41117 193.4 UdeM00000016320 XP_037079402.1 30.1 428
248 12 37 422 1 419 6.00E-46 193.4 41117 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Pedunculata;Scalpellomorpha;Pollicipedidae;Pollicipes;Pollicipes pollicipes

UdeM00000016321 6573 171 UdeM00000016321 XP_021350318.1 27.5 448
301 7 1 433 1 439 3.30E-39 171 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016322 29159 1168.3 UdeM00000016322 XP_011434285.2 77.6
675 151 0 8 682 6 680 0.00E+00 1168.3
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016323 6573 60.1 UdeM00000016323 XP_021379754.1 38.7 75
45 1 1 75 1 74 1.50E-06 60.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016324 6596 768.5 UdeM00000016324 XP_045163439.1 41.8 998
551 15 32 1019 40 1017 1.10E-218 768.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016325 225164 313.9 UdeM00000016325 XP_009062338.1 38
481 278 9 23 492 23 494 3.60E-82 313.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;Lottiidae;Lottia;Lottia gigantea

UdeM00000016326 29159 268.9 UdeM00000016326 XP_011455440.2 48.7 263
126 5 11 271 9 264 7.30E-69 268.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000016328 37653 115.9 UdeM00000016328 XP_014788895.1 41.6 125
53 3 8 123 26 139 1.20E-22 115.9 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000016329 6596 420.6 UdeM00000016329 XP_045176424.1 40.4 599
238 11 10 500 7 594 2.80E-114 420.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016330 6573 225.7 UdeM00000016330 XP_021353061.1 46.6 253
129 3 1 252 1 248 6.70E-56 225.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016331 6596 99.8 UdeM00000016331 XP_045176324.1 34.7 147
94 2 87 231 81 227 5.10E-18 99.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016332 6596 257.3 UdeM00000016332 XP_045175944.1 52.5 265
109 5 8 257 9 271 2.10E-65 257.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000016333 6565 154.8 UdeM00000016333 XP_022309454.1 84.2 95
14 1 46 140 398 491 7.90E-35 154.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000016334 6573 363.6 UdeM00000016334 XP_021349465.1 59.4 394
110 13 1 362 1 376 2.90E-97 363.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000016335 1735272 72.4 UdeM00000016335 XP_041366120.1 43.1
102 56 2 1 101 1 101 3.70E-10 72.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000016336 6579 245.7 UdeM00000016336 XP_033752221.1 43.6 305
146 7 22 307 102 399 7.70E-62 245.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000016337 225164 247.3 UdeM00000016337 XP_009051427.1 33.3
421 272 6 21 437 23 438 3.70E-62 247.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000016338 6596 772.7 UdeM00000016338 XP_045175317.1 69.2 581
165 5 439 1015 3 573 5.80E-220 772.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000016339 6596 75.1 UdeM00000016339 XP_045169421.1 40.4 99
46 1 106 191 30 128 1.30E-10 75.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000016340 30732 102.8 UdeM00000016340 XP_024136425.1 63.4 82
30 0 25 106 138 219 2.80E-19 102.8 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000016341 6596 132.5 UdeM00000016341 XP_045182578.1 38.2 178
68 1 38 173 115 292 5.20E-28 132.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000016342 30732 129.4 UdeM00000016342 XP_024136425.1 54.7 117
53 0 160 276 141 257 7.20E-27 129.4 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000016343 30732 129.4 UdeM00000016343 XP_024136425.1 54.7 117
53 0 124 240 141 257 6.30E-27 129.4 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Bel oniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000016344 6596 139.8 UdeM00000016344 XP_045215434.1 34.1 211
139 0 73 283 15 225 5.70E-30 139.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000016345 6565 523.1 UdeM00000016345 XP_022345902.1 71.9 352
 98 1 2 352 36 387 2.80E-145 523.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000016347 29159 124.4 UdeM00000016347 XP_011447107.2 40.6 308
 109 8 1620 1919 1608 1849 1.60E-24 124.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016348 6579 263.5 UdeM00000016348 XP_033752451.1 46.6 487
 226 9 40 521 108 565 2.00E-66 263.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016348 6579 101.3 UdeM00000016348 XP_033752451.1 29.6 504
 262 23 1296 1736 1441 1914 1.30E-17 101.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000016349 6596 751.1 UdeM00000016349 XP_045176950.1 68.5 562
 172 3 1 562 1 557 1.00E-213 751.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016350 6596 717.2 UdeM00000016350 XP_045176950.1 68.6 538
 164 3 1 538 1 533 1.60E-203 717.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016351 6596 332.8 UdeM00000016351 XP_045175615.1 69.6 224
 63 1 1 219 1 224 3.30E-88 332.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016352 6596 1745.3 UdeM00000016352 XP_045175913.1 78.4
 1119 224 4 1 1114 36 1141 0.00E+00 1745.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016353 6596 1399 UdeM00000016353 XP_045175915.1 79.2 877
 174 2 1 873 36 908 0.00E+00 1399 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016354 6596 2819.3 UdeM00000016354 XP_045175401.1 66.4
 2110 624 15 7 2044 531 2628 0.00E+00 2819.3 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016355 6596 101.3 UdeM00000016355 XP_045175394.1 21 700
432 22 28 694 30 641 5.20E-18 101.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016356 6573 576.6 UdeM00000016356 XP_021377278.1 56.9 494
188 4 1 472 1 491 2.90E-161 576.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016357 6596 313.9 UdeM00000016357 XP_045174408.1 31.6 1101
559 43 28 1082 30 982 7.80E-82 313.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016358 6596 92 UdeM00000016358 XP_045177390.1 30.7 254
158 5 1 245 1 245 1.80E-15 92 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016359 6596 370.2 UdeM00000016359 XP_045174900.1 53.8 372
141 6 33 395 783 1132 3.50E-99 370.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016360 6579 129.4 UdeM00000016360 XP_033751615.1 44.9 158
86 1 44 200 22 179 7.30E-27 129.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016361 6579 944.5 UdeM00000016361 XP_033751616.1 66.7 744
222 13 1 738 1 724 8.20E-272 944.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016362 6579 909.4 UdeM00000016362 XP_033751616.1 64.6 738
187 10 1 678 1 724 2.70E-261 909.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016363 6573 493.4 UdeM00000016363 XP_021350282.1 43.5 632
311 12 11 601 36 662 4.10E-136 493.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016364 6596 217.2 UdeM00000016364 XP_045176294.1 33.7 1177
 520 38 427 1504 367 1382 1.40E-52 217.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016365 6579 1181.4 UdeM00000016365 XP_033751673.1 76.3
 979 196 5 364 1309 93 1068 0.00E+00 1181.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016366 6579 1181.4 UdeM00000016366 XP_033751673.1 76.3
 979 196 5 101 1046 93 1068 0.00E+00 1181.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016367 225164 240.4 UdeM00000016367 XP_009051427.1 33
 421 275 5 21 439 23 438 4.60E-60 240.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000016368 151771 78.2 UdeM00000016368 XP_028409260.1 33.1
 148 96 1 6 153 59 203 1.30E-11 78.2 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000016370 6596 667.5 UdeM00000016370 XP_045174374.1 51.5 658
 276 9 6 652 97 722 1.70E-188 667.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016371 6596 92.4 UdeM00000016371 XP_045194272.1 63.2 68
 23 1 37 102 207 274 5.80E-16 92.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016372 6596 348.6 UdeM00000016372 XP_045174374.1 39.9 509
 197 7 1 400 214 722 1.10E-92 348.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016373 6596 269.2 UdeM00000016373 XP_045174374.1 56.3 213
 92 1 3 214 510 722 4.50E-69 269.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000016374 6596 1623.6 UdeM00000016374 XP_045174627.1 41.9
 2194 1077 34 6 2090 27 2131 0.00E+00 1623.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016375 6596 1618.6 UdeM00000016375 XP_045174627.1 41.7
 2202 1077 35 6 2098 27 2131 0.00E+00 1618.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016376 6596 657.5 UdeM00000016376 XP_045174620.1 53.8 593
 272 2 10 601 821 1412 1.60E-185 657.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016377 6596 2031.5 UdeM00000016377 XP_045174627.1 41.8
 2727 1338 28 1 2669 365 2901 0.00E+00 2031.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016378 6596 1751.5 UdeM00000016378 XP_045174627.1 40.9
 2452 1203 27 5 2399 640 2901 0.00E+00 1751.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016384 6596 773.5 UdeM00000016384 XP_045177083.1 51.8 771
 369 3 43 811 644 1413 2.70E-220 773.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016385 6596 1212.6 UdeM00000016385 XP_045174627.1 40.9
 1710 800 21 1 1563 795 2440 0.00E+00 1212.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016386 7054 141 UdeM00000016386 XP_031328250.1 38.4 224
 86 1 1 172 1 224 1.50E-30 141 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000016387 7054 151 UdeM00000016387 XP_031328250.1 56.3 119
 52 0 21 139 279 397 1.20E-33 151 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000016388 7054 115.9 UdeM00000016388 XP_031328250.1 52.6 97
 46 0 1 97 301 397 2.90E-23 115.9 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000016389 6596 687.2 UdeM00000016389 XP_045176442.1 44.7 816
 371 7 21 800 21 792 2.50E-194 687.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016390 6596 179.5 UdeM00000016390 XP_045175418.1 39.6 541
 249 16 470 951 331 852 2.00E-41 179.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016392 1735272 86.7 UdeM00000016392 XP_041367482.1 82
 50 9 0 10 59 1 50 1.40E-14 86.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016393 6596 317.4 UdeM00000016393 XP_045176784.1 72.6 201
 55 0 7 207 1 201 1.40E-83 317.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016394 1735272 74.3 UdeM00000016394 XP_041375839.1 33.8
 263 155 6 54 312 22 269 3.00E-10 74.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016395 6596 116.7 UdeM00000016395 XP_045176923.1 37 181
 107 4 3 177 40 219 3.40E-23 116.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016396 400727 251.5 UdeM00000016396 XP_025087599.1 56.1
 262 106 6 1 258 1 257 1.30E-63 251.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000016397 400727 254.2 UdeM00000016397 XP_025087599.1 56.5
 260 104 6 1 256 1 255 1.80E-64 254.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000016402 1735272 76.6 UdeM00000016402 XP_041349006.1 27.2
 173 117 2 6 178 46 209 9.20E-11 76.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016406 7741 98.6 UdeM00000016406 XP_019630366.1 32.7 199
 122 5 101 295 75 265 1.50E-17 98.6 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000016407 6596 158.7 UdeM00000016407 XP_045175854.1 51 143
 69 1 62 204 46 187 8.50E-36 158.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016408 6573 244.6 UdeM00000016408 XP_021371608.1 43 342
 176 4 34 358 165 504 2.30E-61 244.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016409 6689 169.1 UdeM00000016409 XP_027219324.1 41.9 198
 100 5 1 188 201 393 5.60E-39 169.1 6689 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus vannamei
 UdeM00000016410 6573 245.4 UdeM00000016410 XP_021360882.1 67.3 214
 54 6 1 214 1 198 6.80E-62 245.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000016411 6596 256.1 UdeM00000016411 XP_045192074.1 46.2 303
 154 4 19 315 2122 2421 5.80E-65 256.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016412 6596 253.8 UdeM00000016412 XP_045192074.1 45.9 303
 155 4 19 315 2122 2421 2.90E-64 253.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016413 6596 253.8 UdeM00000016413 XP_045192074.1 45.9 303
 155 4 19 315 2122 2421 2.90E-64 253.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016414 29159 243.8 UdeM00000016414 XP_011415805.1 85.8 127
18 0 1 127 100 226 1.20E-61 243.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000016415 6596 113.2 UdeM00000016415 XP_045174769.1 74.7 75
19 0 1 75 1 75 2.40E-22 113.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016416 46514 100.1 UdeM00000016416 XP_038075930.1 29.1 247
149 6 81 309 568 806 7.00E-18 100.1 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000016417 46514 100.1 UdeM00000016417 XP_038075930.1 29.1 247
149 6 81 309 568 806 7.10E-18 100.1 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000016418 6596 109 UdeM00000016418 XP_045176098.1 31.3 150
103 0 26 175 61 210 9.50E-21 109 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016419 6596 142.9 UdeM00000016419 XP_045158973.1 42.6 176
87 3 14 189 60 221 4.30E-31 142.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016420 6945 159.5 UdeM00000016420 XP_029838899.2 32.9 246
145 4 6 241 10 245 7.30E-36 159.5 6945 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis

UdeM00000016421 51031 92.8 UdeM00000016421 XP_013298706.1 33.6 149
80 4 1 145 117 250 4.50E-16 92.8 51031 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Nematoda;Chromadorea;Strongylida;Ancylostomatoidea;Ancylostomatidae;Bunostominae;Necator;Necator americanus

UdeM00000016422 51031 150.6 UdeM00000016422 XP_013298706.1 34.4 224
128 4 25 244 42 250 2.90E-33 150.6 51031 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Nematoda;Chromadorea;Strongylida;Ancylostomatoidea;Ancylostomatidae;Bunostominae;Necator;Necator americanus

UdeM00000016423 51031 150.6 UdeM00000016423 XP_013298706.1 34.4 224
128 4 23 242 42 250 2.80E-33 150.6 51031 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa;Nematoda;Chromadorea;Strongylida;Ancylostomatoidea;Ancylostomatidae;Bunostominae;Necator;Necator americanus

UdeM00000016424	6565	126.3	UdeM00000016424	XP_022332557.1	38.4	146
81	2	2	147	78	214	3.50E-26

126.3 6565 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000016425	6596	1165.2	UdeM00000016425	XP_045174217.1	76.3	
742	169	3	1	741	1	736

0.00E+00 1165.2 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016426	6596	688.3	UdeM00000016426	XP_045174223.1	51.8	689
249	6	1	679	24	639	9.60E-195

688.3 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016427	6596	401	UdeM00000016427	XP_045174219.1	81.2	229
43	0	19	247	441	669	1.10E-108

401 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016428	6573	268.5	UdeM00000016428	XP_021344982.1	41.7	372
187	7	15	377	7	357	1.40E-68

268.5 6573 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000016429	1735272	302.8	UdeM00000016429	XP_041365597.1	61.1	
239	93	0	1	239	47	285

4.00E-79 302.8 1735272 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016431	6596	122.9	UdeM00000016431	XP_045174350.1	35.5	282
100	7	5	283	453	655	6.70E-25

122.9 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016432	6596	412.9	UdeM00000016432	XP_045174350.1	67.1	307
91	4	305	602	146	451	6.90E-112

412.9 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016433	6596	556.6	UdeM00000016433	XP_045176947.1	86.9	320
42	0	1	320	296	615	2.10E-155

556.6 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016434 6579 325.5 UdeM00000016434 XP_033751436.1 62 297
98 4 5 286 3 299 6.90E-86 325.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000016435 7574 231.9 UdeM00000016435 XP_013390008.1 85.1 134
20 0 1 134 1 134 4.90E-58 231.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000016437 6596 272.3 UdeM00000016437 XP_045174796.1 54.3 243
110 1 3 245 520 761 6.00E-70 272.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016436 6596 651.7 UdeM00000016436 XP_045174796.1 47.5 755
363 11 2 739 23 761 1.10E-183 651.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016438 6596 673.7 UdeM00000016438 XP_045174308.1 61 567
175 5 232 763 247 802 2.70E-190 673.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016439 6596 673.7 UdeM00000016439 XP_045174308.1 61 567
175 5 231 762 247 802 2.70E-190 673.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016440 1735272 693.7 UdeM00000016440 XP_041365640.1 66.7
499 155 5 1 490 1 497 1.70E-196 693.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016441 1735272 739.6 UdeM00000016441 XP_041365639.1 70
506 145 3 1 501 1 504 2.80E-210 739.6 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016442 6596 402.5 UdeM00000016442 XP_045174994.1 58.5 311
125 1 18 324 15 325 5.00E-109 402.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000016445 1735272 225.7 UdeM00000016445 XP_041365526.1 60.1
 188 73 1 13 200 220 405 5.20E-56 225.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016446 6596 223.8 UdeM00000016446 XP_045176819.1 58.7 206
 74 7 10 209 268 468 2.10E-55 223.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000016444 1735272 221.5 UdeM00000016444 XP_041365526.1 60.5
 185 71 1 28 212 223 405 1.00E-54 221.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016448 29159 124.4 UdeM00000016448 XP_034313077.1 58.7 104
 43 0 8 111 179 282 1.10E-25 124.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016449 1735272 108.6 UdeM00000016449 XP_041375019.1 58.4
 89 37 0 1 89 33 121 4.30E-21 108.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016452 1735272 261.9 UdeM00000016452 XP_041365389.1 51.6
 250 119 2 83 331 52 300 1.10E-66 261.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016453 1735272 267.7 UdeM00000016453 XP_041365389.1 47.4
 291 140 5 12 299 12 292 1.80E-68 267.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016454 1735272 206.8 UdeM00000016454 XP_041365389.1 46.2
 225 114 3 1 219 77 300 2.80E-50 206.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000016455 1735272 196.8 UdeM00000016455 XP_041365389.1 45.1
 204 111 1 11 214 90 292 2.90E-47 196.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000016456 6526 268.1 UdeM00000016456 XP_013090135.1 47.3 275
 139 2 25 299 29 297 1.40E-68 268.1 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biophalaria;Biophalaria
 glabrata
 UdeM00000016457 29159 119.8 UdeM00000016457 XP_034330091.1 39.4 348
 191 6 9 340 359 702 8.40E-24 119.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016459 29159 226.5 UdeM00000016459 XP_034315800.1 31.4 430
 276 8 338 755 47 469 1.10E-55 226.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000016460 29159 399.4 UdeM00000016460 XP_011430299.2 34.8 791
 411 18 27 785 239 956 1.50E-107 399.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044160 45351 344.4 UdeM00000044160 XP_001617956.2 73.7 232
 37 1 1 208 1 232 1.10E-91 344.4 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000044161 10029 425.2 UdeM00000044161 XP_035311397.1 55 380
 168 2 13 390 48 426 8.70E-116 425.2 10029 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Glires;Rodentia;Myomorpha;Muroidea;Cricet
 idae;Cricetinae;Cricetulus;Cricetulus griseus
 UdeM00000044162 69820 319.3 UdeM00000044162 XP_022837014.1 71.5 207
 59 0 1 207 1 207 3.70E-84 319.3 69820 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;N
 octuidae;Amphipyrrinae;Spodoptera;Spodoptera litura
 UdeM00000044236 6596 391.3 UdeM00000044236 XP_045195031.1 54.3 352
 150 4 66 415 314 656 1.50E-105 391.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044237 6596 589.3 UdeM00000044237 XP_045195040.1 45.4 735
 334 18 72 763 30 740 6.80E-165 589.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044238 6596 256.9 UdeM00000044238 XP_045198757.1 51.4 276
 105 6 1 258 242 506 2.90E-65 256.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044239 6596 101.3 UdeM00000044239 XP_045198757.1 71.9 64
18 0 47 110 372 435 8.80E-19 101.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044240 6565 236.5 UdeM00000044240 XP_022323722.1 52.9 221
103 1 4 223 500 720 3.30E-59 236.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000044241 6596 352.4 UdeM00000044241 XP_045210908.1 69.9 246
68 3 23 263 36 280 4.80E-94 352.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044242 6596 570.1 UdeM00000044242 XP_045159635.1 57 477
198 5 11 482 1 475 2.70E-159 570.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000044243 400727 87 UdeM00000044243 XP_025113247.1 37.9
87 53 1 11 97 6 91 1.60E-14 87 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000044245 7739 97.4 UdeM00000044245 XP_035684184.1 39.8 113
67 1 342 453 46 158 5.20E-17 97.4 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000044246 3914 201.4 UdeM00000044246 XP_017411387.1 27.7 647
415 15 31 646 5 629 3.60E-48 201.4 3914 cellular

organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;Eudicotyledons;Gunneridae;Pentapetalae;rosids;fabids;Fabales;Fabaceae;Papilionoideae;50 kb inversion clade;NPAAA clade;indigoferoid/millettioid clade;Phaseoleae;Vigna;Vigna angularis

UdeM00000044249 6596 134 UdeM00000044249 XP_045194453.1 31.5 241
154 4 27 261 28 263 2.70E-28 134 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031671 6596 270.4 UdeM00000031671 XP_045161065.1 51.5 400
168 8 8 385 4 399 3.60E-69 270.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031674 50429 159.8 UdeM00000031674 XP_022808032.1 47.8 157
 78 2 1 153 556 712 5.70E-36 159.8 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000031677 6596 114.8 UdeM00000031677 XP_045207454.1 43 149
 76 2 3 150 2 142 1.10E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031678 6596 179.9 UdeM00000031678 XP_045182382.1 27.7 458
 251 8 18 471 8 389 7.80E-42 179.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031679 6596 78.2 UdeM00000031679 XP_045182382.1 46.5 71
 38 0 147 217 319 389 1.50E-11 78.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031680 6596 180.3 UdeM00000031680 XP_045182382.1 28.8 462
 249 8 13 469 3 389 6.00E-42 180.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031681 6596 224.2 UdeM00000031681 XP_045182210.1 34.2 447
 261 7 25 466 6 424 3.50E-55 224.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031682 1735272 367.5 UdeM00000031682 XP_041353727.1 41.1
 474 271 4 1 468 1 472 2.70E-98 367.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031683 6596 346.7 UdeM00000031683 XP_045187202.1 49.9 357
 174 2 1 354 1 355 3.70E-92 346.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031684 29159 597.8 UdeM00000031684 XP_011451589.2 54 528
 242 1 1 527 14 541 1.40E-167 597.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031685 6596 144.8 UdeM00000031685 XP_045187207.1 32.7 263
 172 4 10 269 7 267 1.60E-31 144.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031686 6596 1055.8 UdeM00000031686 XP_045187207.1 59
 951 134 5 56 997 268 971 3.40E-305 1055.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031687 6596 609.8 UdeM00000031687 XP_045187213.1 50.2 687
 319 9 1 669 75 756 4.30E-171 609.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031688 6596 211.5 UdeM00000031688 XP_045187214.1 71.9 146
 41 0 9 154 3 148 7.80E-52 211.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031689 6596 247.3 UdeM00000031689 XP_045187216.1 81.8 148
 27 0 2 149 24 171 1.20E-62 247.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031690 591936 185.3 UdeM00000031690 XP_023082638.1 64.4
 146 51 1 41 186 5 149 8.40E-44 185.3 591936
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Catarri
 ni;Cercopithecoidea;Cercopithecidae;Colobinae;Piliocolobus;Piliocolobus
 tephrosceles
 UdeM00000031691 6596 1083.9 UdeM00000031691 XP_045169516.1 77.1
 850 115 16 2 813 5 812 0.00E+00 1083.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031692 6596 1091.3 UdeM00000031692 XP_045169529.1 77.9
 840 116 15 2 813 5 802 0.00E+00 1091.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031693 6565 271.2 UdeM00000031693 XP_022303100.1 24 1028
 647 33 56 997 3 982 5.40E-69 271.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000031694 6596 1208.7 UdeM00000031694 XP_045164449.1 39.4
 1839 640 16 88 1895 5 1399 0.00E+00 1208.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031696 6596 120.6 UdeM00000031696 XP_045171507.1 67.4 86
 25 2 165 248 194 278 3.00E-24 120.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031697 6596 631.3 UdeM00000031697 XP_045171421.1 70.7 433
 127 0 114 546 608 1040 1.10E-177 631.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031698 6573 397.5 UdeM00000031698 XP_021365762.1 34.3 886
 473 25 11 862 1 811 4.70E-107 397.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031699 6573 345.5 UdeM00000031699 XP_021367596.1 83.2 197
 33 0 1 197 1 197 4.40E-92 345.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031701 6573 343.2 UdeM00000031701 XP_021367596.1 82.7 196
 34 0 7 202 2 197 2.30E-91 343.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031700 45264 87.4 UdeM00000031700 XP_044164507.1 36.6 145
 91 1 50 194 25 168 2.10E-14 87.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000031702 554065 200.3 UdeM00000031702 XP_005846307.1 51.8
 195 90 2 1 191 10 204 2.20E-48 200.3 554065
 cellular organisms;Eukaryota;Viridiplantae;Chlorophyta;core
 chlorophytes;Trebouxiophyceae;Chlorellales;Chlorellaceae;Chlorella
 clade;Chlorella;Chlorella variabilis
 UdeM00000031703 554065 200.3 UdeM00000031703 XP_005846307.1 51.8
 195 90 2 160 350 10 204 4.10E-48 200.3 554065
 cellular organisms;Eukaryota;Viridiplantae;Chlorophyta;core
 chlorophytes;Trebouxiophyceae;Chlorellales;Chlorellaceae;Chlorella
 clade;Chlorella;Chlorella variabilis

UdeM00000031704 31138 268.1 UdeM00000031704 XP_034643024.1 48.5 237
 116 2 55 291 25 255 1.30E-68 268.1 31138 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Em
 ydidae;Trachemys;Trachemys scripta;Trachemys scripta elegans
 UdeM00000031705 31138 268.1 UdeM00000031705 XP_034643024.1 48.5 237
 116 2 39 275 25 255 1.30E-68 268.1 31138 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Em
 ydidae;Trachemys;Trachemys scripta;Trachemys scripta elegans
 UdeM00000031706 574566 254.2 UdeM00000031706 XP_005645719.1 62.1
 198 73 2 17 213 6 202 1.50E-64 254.2 574566
 cellular organisms;Eukaryota;Viridiplantae;Chlorophyta;core
 chlorophytes;Trebouxiophyceae;Trebouxiophyceae incertae
 sedis;Elliptochloris clade;Coccomyxa;Coccomyxa subellipsoidea;Coccomyxa
 subellipsoidea C-169
 UdeM00000031707 6596 587 UdeM00000031707 XP_045212469.1 42.2 758
 417 5 88 844 93 830 3.80E-164 587 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031708 6596 174.1 UdeM00000031708 XP_045187319.1 48.9 611
 252 12 6 580 47 633 5.20E-40 174.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031709 1735272 596.7 UdeM00000031709 XP_041351315.1 27.2
 2364 1340 68 6 2297 1 2055 1.30E-166 596.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031710 29159 332.4 UdeM00000031710 XP_011434570.1 52.2 343
 156 3 1 337 1 341 6.60E-88 332.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031711 37653 300.8 UdeM00000031711 XP_014785294.1 37.9 509
 279 16 17 509 88 575 3.30E-78 300.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000031712 6596 1968.4 UdeM00000031712 XP_045172808.1 91.8
 1068 88 0 6 1073 7 1074 0.00E+00 1968.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031713 6596 1968 UdeM00000031713 XP_045172808.1 91.8 1068
88 0 1 1068 7 1074 0.00E+00 1968 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031715 6596 789.3 UdeM00000031715 XP_045172890.1 66.4 608
171 5 1 578 119 723 4.80E-225 789.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031717 1735272 147.1 UdeM00000031717 XP_041351877.1 54.7
128 57 1 17 144 1 127 1.70E-32 147.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031718 1735272 738.4 UdeM00000031718 XP_041353564.1 56.6
685 276 5 20 697 52 722 8.30E-210 738.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031720 6573 674.5 UdeM00000031720 XP_021378743.1 54.2 664
277 9 6 662 7 650 1.40E-190 674.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031721 1735272 432.6 UdeM00000031721 XP_041351960.1 47.5
467 233 6 44 500 74 538 7.10E-118 432.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031722 1735272 429.1 UdeM00000031722 XP_041351960.1 48.4
438 220 3 8 440 102 538 6.90E-117 429.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031723 6596 168.3 UdeM00000031723 XP_045161029.1 52.3 153
73 0 41 193 45 197 1.00E-38 168.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000031724 6573 353.6 UdeM00000031724 XP_021345424.1 36.1 987
482 33 133 1049 102 1009 8.60E-94 353.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000031725 6573 382.9 UdeM00000031725 XP_021345425.1 63.6 294
 106 1 1 294 1 293 3.70E-103 382.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031726 6596 333.6 UdeM00000031726 XP_045175096.1 54.1 303
 133 4 11 312 12 309 2.80E-88 333.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031727 6573 261.2 UdeM00000031727 XP_021351784.1 46.9 271
 139 3 13 278 31 301 1.60E-66 261.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031728 6596 107.1 UdeM00000031728 XP_045187808.1 27.8 496
 289 16 9 453 1 478 7.70E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031731 6573 156.8 UdeM00000031731 XP_021378423.1 44 209
 114 2 26 232 11 218 4.80E-35 156.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031732 6579 503.8 UdeM00000031732 XP_033733951.1 59.9 434
 157 3 1483 1915 1537 1954 9.40E-139 503.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000031733 29159 162.9 UdeM00000031733 XP_019927344.1 80 100
 16 1 10 105 181 280 2.40E-37 162.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031734 6573 226.1 UdeM00000031734 XP_021353739.1 57.6 229
 70 6 15 231 65 278 5.00E-56 226.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031735 29159 266.2 UdeM00000031735 XP_011448864.2 69.2 172
 53 0 253 424 139 310 1.30E-67 266.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031735 29159 86.7 UdeM00000031735 XP_011448864.2 60.3 58
 23 0 679 736 309 366 1.40E-13 86.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000031736 218467 112.8 UdeM00000031736 XP_023242170.1 48.5
 130 62 3 111 237 63 190 6.60E-22 112.8 218467

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
UdeM00000031737 6596 654.1 UdeM00000031737 XP_045212210.1 55.1 555
238 5 7 553 9 560 2.30E-184 654.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031738 6596 1968.7 UdeM00000031738 XP_045156787.1 41.8
2462 1252 25 16 2327 927 3356 0.00E+00 1968.7 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031739 29159 536.6 UdeM00000031739 XP_034301655.1 37.9 762
448 11 474 1222 359 1108 8.40E-149 536.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000031740 6706 137.5 UdeM00000031740 XP_042235765.1 42.7 157
86 1 1 153 1 157 1.40E-29 137.5 6706 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
UdeM00000031741 72036 121.3 UdeM00000031741 XP_040576246.1 42 174
95 3 58 229 26 195 1.60E-24 121.3 72036 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
aligidae;Lepeophtheirus;Lepeophtheirus salmonis
UdeM00000031742 6573 312 UdeM00000031742 XP_021353372.1 41.4 396
225 5 9 404 27 415 1.10E-81 312 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000031744 6573 435.6 UdeM00000031744 XP_021353372.1 50.9 430
209 2 42 469 439 868 7.80E-119 435.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000031745 6596 4192.1 UdeM00000031745 XP_045156859.1 35.2
6059 3691 78 6 6001 860 6748 0.00E+00 4192.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000031746 225164 3654 UdeM00000031746 XP_009066786.1 40.2
4910 2669 65 1 4750 2456 7260 0.00E+00 3654 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000031747 6596 222.2 UdeM00000031747 XP_045187440.1 44.4 293
110 8 7 264 6 280 7.80E-55 222.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031749 29159 472.6 UdeM00000031749 XP_034301655.1 34 851
492 22 13 824 11 830 1.00E-129 472.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000031750 6596 212.2 UdeM00000031750 XP_045206316.1 38.6 345
156 5 2 308 197 523 9.20E-52 212.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031751 6596 63.2 UdeM00000031751 XP_045202346.1 37 100
59 2 6 104 16 112 2.50E-07 63.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031753 6596 983.4 UdeM00000031753 XP_045156872.1 26.6 2738
979 31 536 2274 3 2708 5.00E-283 983.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031754 6596 4357.7 UdeM00000031754 XP_045156859.1 35.3
6379 3847 81 3 6237 28 6272 0.00E+00 4357.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031755 6565 129 UdeM00000031755 XP_022302274.1 49.2 124
62 1 154 277 159 281 9.60E-27 129 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000031756 6596 308.9 UdeM00000031756 XP_045156889.1 38.5 392
231 3 41 430 2 385 1.00E-80 308.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031757 225164 569.3 UdeM00000031757 XP_009066786.1 28.4
1226 711 17 14 1081 2495 3711 1.10E-158 569.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000031758 218467 120.6 UdeM00000031758 XP_023220759.1 56.5
115 49 1 1 114 559 673 1.30E-24 120.6 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000031759 218467 125.9 UdeM00000031759 XP_023220759.1 46
139 75 0 20 158 191 329 5.00E-26 125.9 218467
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000031760 114398 154.5 UdeM00000031760 XP_042913023.1 50
158 75 1 14 171 110 263 1.30E-34 154.5 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parasteatoda tepidariorum

UdeM00000031761 6596 139.4 UdeM00000031761 XP_045156859.1 54.1 133
61 0 7 139 8040 8172 3.60E-30 139.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031762 6596 137.1 UdeM00000031762 XP_045156859.1 54.8 124
56 0 1 124 8049 8172 1.60E-29 137.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031763 6596 1831.2 UdeM00000031763 XP_045156859.1 43.6
2174 1123 26 52 2207 9431 11519 0.00E+00 1831.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031764 6596 103.2 UdeM00000031764 XP_045184228.1 54.1 111
47 2 19 126 48 157 2.50E-19 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031765 6596 2430.6 UdeM00000031765 XP_045156872.1 42.2
3019 1677 34 26 3018 1 2977 0.00E+00 2430.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000031766 6596 65.1 UdeM00000031766 XP_045156787.1 34.1 138
 82 6 22 154 76 209 9.50E-08 65.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031767 6573 283.5 UdeM00000031767 XP_021353372.1 43.5 324
 178 4 15 338 33 351 3.60E-73 283.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031768 6596 2200.6 UdeM00000031768 XP_045156859.1 39.9
 2726 1542 31 16 2708 360 3022 0.00E+00 2200.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031769 6596 2189.5 UdeM00000031769 XP_045156859.1 39.6
 2746 1542 32 16 2728 360 3022 0.00E+00 2189.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031770 6596 5999.1 UdeM00000031770 XP_045156859.1 36.5
 8743 5061 120 1 8530 3054 11519 0.00E+00 5999.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031771 6596 172.2 UdeM00000031771 XP_045156859.1 35.5 276
 167 7 3 270 11247 11519 1.80E-39 172.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031772 6596 241.5 UdeM00000031772 XP_045187440.1 49.8 257
 93 5 22 246 28 280 1.20E-60 241.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031773 6596 195.7 UdeM00000031773 XP_045184228.1 63.9 158
 53 2 1 155 1 157 4.50E-47 195.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031774 1735272 557.4 UdeM00000031774 XP_041350671.1 48.5
 555 282 3 8 558 214 768 2.10E-155 557.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031775 1735272 563.1 UdeM00000031775 XP_041350671.1 50.3
559 273 4 6 560 212 769 3.80E-157 563.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031778 1735272 220.7 UdeM00000031778 XP_041355119.1 56.8
185 77 2 1 182 125 309 1.50E-54 220.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031776 1735272 514.2 UdeM00000031776 XP_041350671.1 46.6
552 269 4 17 542 218 769 2.00E-142 514.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031777 1735272 553.1 UdeM00000031777 XP_041350671.1 49.3
552 276 3 17 564 218 769 4.00E-154 553.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000031779 6573 186.4 UdeM00000031779 XP_021365765.1 66.7 138
45 1 9 146 16 152 2.60E-44 186.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028439 2607531 242.7 UdeM00000028439 XP_036362074.1 83.8
154 22 3 1 154 61 211 3.30E-61 242.7 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000028440 6573 198 UdeM00000028440 XP_021371175.1 49 198
98 1 4 198 1 198 1.20E-47 198 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028441 6596 105.5 UdeM00000028441 XP_045180053.1 37.3 153
23 1 15 94 14 166 6.60E-20 105.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028442 6596 140.6 UdeM00000028442 XP_045198761.1 40.8 184
96 6 36 217 42 214 2.50E-30 140.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028444 6596 81.3 UdeM00000028444 XP_045198761.1 35.9 117
 65 3 146 262 101 207 2.30E-12 81.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028445 6596 164.9 UdeM00000028445 XP_045194535.1 65.9 123
 40 1 18 140 22 142 7.60E-38 164.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028446 7574 231.9 UdeM00000028446 XP_013382154.1 58.6 198
 82 0 135 332 166 363 1.20E-57 231.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000028447 7574 183 UdeM00000028447 XP_013382154.1 66.4 128
 43 0 8 135 206 333 2.60E-43 183 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000028448 6596 85.1 UdeM00000028448 XP_045200064.1 52 75
 36 0 11 85 18 92 5.70E-14 85.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028449 6596 98.6 UdeM00000028449 XP_045200064.1 48.5 97
 49 1 11 107 18 113 6.80E-18 98.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028450 6596 251.5 UdeM00000028450 XP_045200073.1 44.5 344
 136 8 1 306 112 438 1.40E-63 251.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028451 6596 361.3 UdeM00000028451 XP_045208539.1 73.1 238
 59 2 55 287 22 259 1.10E-96 361.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028452 6596 713.4 UdeM00000028452 XP_045201203.1 67.7 480
 150 3 24 499 20 498 2.00E-202 713.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028453 6596 249.2 UdeM00000028453 XP_045201203.1 68.7 163
 50 1 1 162 244 406 3.60E-63 249.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028454 6565 232.6 UdeM00000028454 XP_022321264.1 35.9 390
224 12 31 407 29 405 8.60E-58 232.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028456 225164 68.6 UdeM00000028456 XP_009047614.1 30.6
170 111 5 2 167 408 574 9.70E-09 68.6 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;Lottiidae;Lottia;Lottia gigantea

UdeM00000028457 6596 93.6 UdeM00000028457 XP_045180427.1 32.3 251
137 5 1 219 1 250 4.50E-16 93.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028458 6596 101.3 UdeM00000028458 XP_045188250.1 52.5 118
50 3 5 116 320 437 8.60E-19 101.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028459 6596 549.7 UdeM00000028459 XP_045188240.1 60 473
165 5 41 508 26 479 4.00E-153 549.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028460 1735272 175.3 UdeM00000028460 XP_041369218.1 84.3
102 16 0 1 102 1 102 6.70E-41 175.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028461 1735272 77 UdeM00000028461 XP_041369218.1 76.1
46 11 0 1 46 57 102 1.70E-11 77 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028462 6579 219.9 UdeM00000028462 XP_033759050.1 45.1 257
128 4 6 250 4 259 5.30E-54 219.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028463 6573 244.6 UdeM00000028463 XP_021339366.1 47.5 244
120 1 32 267 59 302 1.40E-61 244.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000028464 6573 243.8 UdeM00000028464 XP_021339366.1 47.5 244
120 1 32 267 59 302 2.50E-61 243.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000028465 6573 243.8 UdeM00000028465 XP_021339366.1 47.5 244
120 1 32 267 59 302 2.50E-61 243.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000028466 1735272 462.6 UdeM00000028466 XP_041368752.1 53.1
414 174 3 1 405 30 432 5.20E-127 462.6 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000028467 6573 95.9 UdeM00000028467 XP_021343782.1 43.1 116
64 2 160 274 326 440 8.70E-17 95.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000028468 6500 237.3 UdeM00000028468 XP_005092247.1 57.3 192
74 6 1 189 26 212 2.60E-59 237.3 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Teptipleura; Aplysiida; Aplysioidea; Aplysiidae; Aplysia; Aplysia californica
UdeM00000028469 6596 498.8 UdeM00000028469 XP_045191716.1 62.2 394
140 6 1 388 135 525 6.20E-138 498.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028470 6596 178.7 UdeM00000028470 XP_045188476.1 39.5 266
128 4 2 235 143 407 8.60E-42 178.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028471 6565 321.6 UdeM00000028471 XP_022301022.1 27.3 722
493 14 12 722 21 721 2.50E-84 321.6 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000028474 6573 243.8 UdeM00000028474 XP_021357283.1 38.2 476
206 11 1694 2146 2329 2739 2.00E-60 243.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000028474 6573 135.6 UdeM00000028474 XP_021357283.1 62.9 116
42 1 31 145 37 152 7.70E-28 135.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000028475 7574 122.9 UdeM00000028475 XP_013384571.1 64.4 104
32 2 1 103 51 150 3.90E-25 122.9 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000028476 1735272 372.1 UdeM00000028476 XP_041367931.1 48.2
419 167 5 1 377 49 459 8.50E-100 372.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000028477 6596 187.2 UdeM00000028477 XP_045165359.1 36 325
185 8 39 343 1056 1377 4.60E-44 187.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028478 7159 93.6 UdeM00000028478 XP_021694571.1 21.6 459
297 14 23 425 42 493 6.80E-16 93.6 7159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culicomorpha;Culicoidea;Culicidae;Culicinae;Aedini;Aedes;Stegomyia;Aedes aegypti
UdeM00000028479 6565 78.2 UdeM00000028479 XP_022314529.1 54 63
25 1 16 74 21 83 5.50E-12 78.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028480 29159 212.2 UdeM00000028480 XP_011412797.2 27.8 532
348 16 5 520 178 689 1.80E-51 212.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028481 6596 851.7 UdeM00000028481 XP_045164493.1 39.4 1303
657 27 427 1623 351 1627 1.60E-243 851.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028482 6596 143.7 UdeM00000028482 XP_045196034.1 39.8 176
96 1 88 263 64 229 3.90E-31 143.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028483 6596 88.6 UdeM00000028483 XP_045195932.1 62.3 61
23 0 93 153 27 87 7.70E-15 88.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028484 6579 164.9 UdeM00000028484 XP_033732418.1 76 100
 22 1 1 98 41 140 6.20E-38 164.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028485 6573 76.3 UdeM00000028485 XP_021370930.1 32.2 149
 92 2 96 241 1209 1351 6.30E-11 76.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028486 225164 231.5 UdeM00000028486 XP_009058112.1 26.6
 623 360 17 62 609 366 966 2.90E-57 231.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000028488 6596 68.6 UdeM00000028488 XP_045166426.1 24.6 199
 144 4 9 207 580 772 1.40E-08 68.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028489 2607531 933.7 UdeM00000028489 XP_029646554.2 33.7
 1891 1046 56 27 1779 29 1849 3.50E-268 933.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000028491 37621 92.8 UdeM00000028491 XP_014679849.1 52.3 65
 31 0 47 111 559 623 3.00E-16 92.8 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000028492 6596 277.3 UdeM00000028492 XP_045199293.1 33.7 564
 242 11 20 462 33 585 3.50E-71 277.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028493 29159 607.1 UdeM00000028493 XP_011443565.1 81.2 330
 62 0 1 330 1 330 1.40E-170 607.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028494 6565 349.4 UdeM00000028494 XP_022327478.1 89.3 169
 18 0 1 169 1 169 2.70E-93 349.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028495 481459 256.5 UdeM00000028495 XP_040031014.1 35.4
 381 230 4 75 450 84 453 6.20E-65 256.5 481459
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioidei;Gasterosteales;Gasterosteidae;Gasterosteus;Gasterosteus aculeatus;Gasterosteus aculeatus aculeatus

UdeM00000028496 45264 436.8 UdeM00000028496 XP_044179186.1 47.7 482
 226 7 16 475 3 480 3.50E-119 436.8 45264 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000028497 6596 464.9 UdeM00000028497 XP_045196000.1 58.2 380
 156 2 11 388 7 385 1.10E-127 464.9 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028498 6596 395.2 UdeM00000028498 XP_045196000.1 60.6 312
 120 2 16 325 75 385 9.00E-107 395.2 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028499 6596 261.2 UdeM00000028499 XP_045195986.1 75.4 175
 31 2 808 971 456 629 5.40E-66 261.2 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028500 6596 663.7 UdeM00000028500 XP_045195986.1 61.9 651
 209 7 1 634 1 629 2.40E-187 663.7 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028501 37653 349 UdeM00000028501 XP_014787348.1 66 238
 72 2 1 238 1 229 4.80E-93 349 37653 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000028502 37653 236.5 UdeM00000028502 XP_014787348.1 63.6 165
 51 2 16 180 74 229 2.70E-59 236.5 37653 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000028503 6596 871.3 UdeM00000028503 XP_045198665.1 53.1 791
 353 10 7 788 7 788 9.30E-250 871.3 6596 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028504 6573 513.1 UdeM00000028504 XP_021362385.1 38.5 737
 415 7 8 735 6 713 6.10E-142 513.1 6573 cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000028505 6596 391 UdeM00000028505 XP_045188626.1 36.8 557
338 9 17 564 9 560 3.20E-105 391 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028506 7739 278.5 UdeM00000028506 XP_035694373.1 41.9 334
160 6 62 384 497 807 1.60E-71 278.5 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
UdeM00000028507 6565 126.7 UdeM00000028507 XP_022327159.1 76 75
16 1 1 75 1 73 1.30E-26 126.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028508 1735272 364.4 UdeM00000028508 XP_041369203.1 63.6
261 85 3 1 259 259 511 1.20E-97 364.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000028509 1735272 707.6 UdeM00000028509 XP_041369203.1 64.9
518 155 6 4 503 3 511 1.10E-200 707.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000028510 6573 123.6 UdeM00000028510 XP_021344746.1 34.4 247
147 7 2 240 1 240 7.90E-25 123.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000028511 6579 143.7 UdeM00000028511 XP_033745120.1 30.5 328
176 9 6 294 3 317 3.80E-31 143.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028512 6579 139.8 UdeM00000028512 XP_033745120.1 26.2 469
190 11 4 472 3 315 8.90E-30 139.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028513 6573 117.1 UdeM00000028513 XP_021362072.1 45.2 126
66 2 1 124 1 125 5.10E-23 117.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000028514 6573 121.3 UdeM00000028514 XP_021362102.1 54.2 118
52 1 4 119 3 120 4.30E-24 121.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000028515 6596 126.7 UdeM00000028515 XP_045204469.1 53.4 116
54 0 4 119 3 118 8.10E-26 126.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028516 29159 129.4 UdeM00000028516 XP_034329616.1 56.4 110
46 1 4 111 3 112 8.40E-27 129.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028517 6565 174.5 UdeM00000028517 XP_022326357.1 73.5 113
29 1 11 122 62 174 8.40E-41 174.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028518 6596 182.2 UdeM00000028518 XP_045196823.1 56.9 153
59 4 1 151 1 148 5.50E-43 182.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028519 6596 132.5 UdeM00000028519 XP_045206778.1 59.1 115
45 1 4 116 3 117 9.90E-28 132.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028521 6565 176.8 UdeM00000028521 XP_022326357.1 74.3 113
28 1 11 122 62 174 1.70E-41 176.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028522 6596 179.9 UdeM00000028522 XP_045196823.1 56.9 153
59 4 1 151 1 148 2.70E-42 179.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028523 29159 227.3 UdeM00000028523 XP_034321575.1 53.9 206
89 4 1 201 2 206 1.90E-56 227.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028525 6596 331.6 UdeM00000028525 XP_045196740.1 57.8 263
109 2 5 266 4 265 9.10E-88 331.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028526 6596 332.8 UdeM00000028526 XP_045196740.1 61.9 257
86 5 97 350 18 265 5.40E-88 332.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028527 29159 353.2 UdeM00000028527 XP_011420323.2 61.9 252
92 2 20 271 24 271 3.00E-94 353.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028528 6573 149.4 UdeM00000028528 XP_021348977.1 36.8 364
181 15 1 353 297 622 8.70E-33 149.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028529 6596 1675.6 UdeM00000028529 XP_045209328.1 34.7
2879 1674 47 1 2771 40 2820 0.00E+00 1675.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028530 37653 251.9 UdeM00000028530 XP_014777914.1 93.7 127
8 0 1 127 1 127 4.30E-64 251.9 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000028531 6596 813.1 UdeM00000028531 XP_045199605.1 87.1 449
55 1 40 485 130 578 1.80E-232 813.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028532 6596 828.9 UdeM00000028532 XP_045205494.1 52.4 838
394 5 8 842 30 865 5.90E-237 828.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028533 6573 443.4 UdeM00000028533 XP_021367768.1 31.6 824
546 5 15 829 15 829 7.00E-121 443.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028534 6596 649.4 UdeM00000028534 XP_045195642.1 59.8 502
200 1 14 515 86 585 3.70E-183 649.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028535 6579 136.3 UdeM00000028535 XP_033753057.1 57.7 97
41 0 1 97 1 97 2.10E-29 136.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028536 6596 776.2 UdeM00000028536 XP_045195642.1 62.7 569
 210 1 13 581 19 585 3.00E-221 776.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028537 6596 359.8 UdeM00000028537 XP_045183440.1 51.6 353
 166 3 45 396 32 380 5.70E-96 359.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028538 1735272 84.7 UdeM00000028538 XP_041353177.1 48.1
 79 41 0 1 79 148 226 1.20E-13 84.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028539 6565 396.7 UdeM00000028539 XP_022320668.1 53.6 371
 131 1 104 433 420 790 3.90E-107 396.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028540 6596 861.7 UdeM00000028540 XP_045205494.1 53.5 848
 389 5 3 847 27 872 8.10E-247 861.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028541 6596 1676.4 UdeM00000028541 XP_045209328.1 34.6
 2905 1658 43 1 2786 40 2820 0.00E+00 1676.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028543 6573 224.9 UdeM00000028543 XP_021367768.1 31.9 404
 268 2 27 424 347 749 1.90E-55 224.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028544 6579 130.6 UdeM00000028544 XP_033752702.1 30.6 222
 148 3 6 227 9 224 2.70E-27 130.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028546 6596 1672.9 UdeM00000028546 XP_045209328.1 34.7
 2905 1654 46 1 2786 40 2820 0.00E+00 1672.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028547 6573 448.7 UdeM00000028547 XP_021367768.1 31.9 833
 549 5 6 829 6 829 1.70E-122 448.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028548 6596 213.4 UdeM00000028548 XP_045195642.1 42.4 271
 126 7 15 271 331 585 3.60E-52 213.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028548 6596 68.2 UdeM00000028548 XP_045195642.1 58.8 51
 21 0 13 63 19 69 1.90E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028549 6596 867.8 UdeM00000028549 XP_045205494.1 53 862
 399 6 6 864 30 888 1.20E-248 867.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028550 6596 1679.5 UdeM00000028550 XP_045209328.1 34.7
 2899 1662 46 1 2786 40 2820 0.00E+00 1679.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028551 6573 453.8 UdeM00000028551 XP_021367768.1 31.8 833
 550 5 6 829 6 829 5.20E-124 453.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000044075 50429 65.1 UdeM00000044075 XP_022785721.1 38.7 93
 54 1 1 90 365 457 1.90E-07 65.1 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000044076 37621 152.1 UdeM00000044076 XP_014677757.1 59.1 127
 50 1 1 125 235 361 4.60E-34 152.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000044078 7741 201.4 UdeM00000044078 XP_019640655.1 49.7 193
 96 1 65 256 1 193 1.30E-48 201.4 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000044079 6565 254.2 UdeM00000044079 XP_022298930.1 35.5 414
 164 7 26 340 10 419 2.60E-64 254.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044080 6565 90.5 UdeM00000044080 XP_022318775.1 46.4 110
55 3 1 107 1 109 1.70E-15 90.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000044081 37621 259.6 UdeM00000044081 XP_014673981.1 47.3 298
138 8 5 286 18 312 4.70E-66 259.6 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapul
idae; Priapulus; Priapulus caudatus
UdeM00000002437 6526 177.6 UdeM00000002437 XP_013068006.1 97.6 84
2 0 1 84 1 84 6.90E-42 177.6 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan
pulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria
glabrata
UdeM00000002438 2607531 377.9 UdeM00000002438 XP_029645662.1 90
209 20 1 1 209 1 208 8.60E-102 377.9 2607531
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct
opoda; Incirrata; Octopodidae; Octopus; Octopus sinensis
UdeM00000002439 2607531 302.8 UdeM00000002439 XP_029645662.1 71.3
209 58 2 1 208 1 208 3.50E-79 302.8 2607531
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct
opoda; Incirrata; Octopodidae; Octopus; Octopus sinensis
UdeM00000002440 1735272 115.2 UdeM00000002440 XP_041355669.1 59.8
97 38 1 2 97 113 209 4.80E-23 115.2 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000002441 6596 325.9 UdeM00000002441 XP_045183814.1 77.6 223
39 3 8 225 1 217 4.20E-86 325.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000002442 6573 213 UdeM00000002442 XP_021359662.1 72.8 125
34 0 1 125 1 125 2.20E-52 213 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000002443 29159 295.8 UdeM00000002443 XP_011417424.2 42.6 406
214 10 19 414 28 424 8.50E-77 295.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000002444 2015173 83.6 UdeM00000002444 XP_026829131.1 32.5
160 104 4 1 159 1 157 2.60E-13 83.6 2015173

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
eata;Formicoidea;Formicidae;Dorylinae;Ooceraea;Ooceraea biroi
UdeM00000002445 6596 196.1 UdeM00000002445 XP_045185140.1 48.7 226
107 6 3 223 187 408 5.00E-47 196.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002447 6596 118.2 UdeM00000002447 XP_045183607.1 45.1 133
71 2 198 328 87 219 2.90E-23 118.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002446 1735272 210.7 UdeM00000002446 XP_041356538.1 39.2
291 163 6 1 286 418 699 3.90E-51 210.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000002448 6596 174.1 UdeM00000002448 XP_045185232.1 27.7 509
198 10 20 517 44 393 4.70E-40 174.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002449 6596 346.3 UdeM00000002449 XP_045183226.1 94.4 179
10 0 4 182 3 181 2.40E-92 346.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002450 6596 169.9 UdeM00000002450 XP_045183167.1 31.1 760
378 28 2 669 165 870 1.60E-38 169.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002451 1735272 470.7 UdeM00000002451 XP_041355824.1 45.3
611 174 10 101 649 71 583 3.00E-129 470.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000002452 29159 80.5 UdeM00000002452 XP_011442751.2 34.2 155
86 8 50 190 11 163 3.10E-12 80.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002453 29159 75.1 UdeM00000002453 XP_011442751.2 34.4 154
87 8 50 190 11 163 1.30E-10 75.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002458 29159 106.3 UdeM00000002458 XP_034321135.1 49.3 136
69 0 36 171 50 185 4.10E-20 106.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000002459 6596 391 UdeM00000002459 XP_045184247.1 69.6 247
75 0 8 254 5 251 1.20E-105 391 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002460 6596 398.3 UdeM00000002460 XP_045184247.1 70 250
75 0 8 257 5 254 7.50E-108 398.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002461 6596 698 UdeM00000002461 XP_045172625.1 34 1639
860 48 1 1528 24 1552 2.70E-197 698 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002462 6596 689.5 UdeM00000002462 XP_045172625.1 34 1631
856 48 1 1520 32 1552 9.60E-195 689.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000002463 7574 272.7 UdeM00000002463 XP_023932827.1 63.3 207
76 0 9 215 8 214 4.00E-70 272.7 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000002464 46514 89 UdeM00000002464 XP_038073407.1 27 248
168 4 15 249 2 249 1.10E-14 89 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata
UdeM00000002468 6565 176.8 UdeM00000002468 XP_022305240.1 47.3 220
89 5 1 205 430 637 2.80E-41 176.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000002469 6596 188 UdeM00000002469 XP_045183723.1 89.2 102
11 0 1 102 1 102 6.40E-45 188 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002470 6596 196.8 UdeM00000002470 XP_045183125.1 48.1 241
 103 5 6 228 4 240 2.90E-47 196.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002472 6565 404.1 UdeM00000002472 XP_022344771.1 56.1 328
 144 0 3 330 2 329 1.80E-109 404.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002473 6565 397.9 UdeM00000002473 XP_022306667.1 58 312
 127 3 23 333 20 328 1.30E-107 397.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002474 6596 201.8 UdeM00000002474 XP_045168118.1 51.9 185
 78 4 2 175 69 253 2.50E-48 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002475 400727 248.1 UdeM00000002475 XP_025079408.1 52.1
 219 97 4 15 232 13 224 3.80E-62 248.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002476 6596 214.2 UdeM00000002476 XP_045183845.1 32.6 466
 262 8 3 425 2 458 3.30E-52 214.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002477 6596 214.2 UdeM00000002477 XP_045183845.1 32.6 466
 262 8 1 423 2 458 3.30E-52 214.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002478 6573 143.3 UdeM00000002478 XP_021372297.1 40.2 199
 106 3 12 210 3259 3444 3.60E-31 143.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002479 6573 159.8 UdeM00000002479 XP_021359097.1 43.3 187
 86 3 104 270 175 361 4.80E-36 159.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002481 6596 158.7 UdeM00000002481 XP_045162465.1 24.7 489
 319 11 12 466 23 496 1.80E-35 158.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002482 6596 77.8 UdeM00000002482 XP_045176423.1 29.3 133
 91 2 15 145 167 298 3.40E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002483 6596 99.4 UdeM00000002483 XP_045162465.1 34.3 137
 88 1 11 145 23 159 4.60E-18 99.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002484 6596 169.5 UdeM00000002484 XP_045162465.1 25.6 484
 332 10 10 475 22 495 1.10E-38 169.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002485 6596 173.7 UdeM00000002485 XP_045176423.1 32.9 334
 197 10 79 400 7 325 6.90E-40 173.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002486 225164 149.8 UdeM00000002486 XP_009054176.1 31.6
 326 203 10 8 324 14 328 7.40E-33 149.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000002487 225164 112.8 UdeM00000002487 XP_009058229.1 50.9
 108 40 1 8 115 2 96 2.80E-22 112.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000002488 7574 92.8 UdeM00000002488 XP_013380206.1 38.8 103
 61 2 9 109 207 309 2.90E-16 92.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000002489 6596 374.4 UdeM00000002489 XP_045161678.1 63.6 286
 104 0 1 286 130 415 1.40E-100 374.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002490 6596 478.8 UdeM00000002490 XP_045161678.1 63.8 367
 133 0 1 367 130 496 6.50E-132 478.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002491 6565 323.9 UdeM00000002491 XP_022309566.1 32.4 515
317 10 466 974 521 1010 9.10E-85 323.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000002492 6579 240 UdeM00000002492 XP_033725677.1 58.9 202
80 2 1 200 1 201 3.20E-60 240 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002493 6596 274.2 UdeM00000002493 XP_045184727.1 49.8 279
133 4 38 311 34 310 2.00E-70 274.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002495 8128 71.2 UdeM00000002495 XP_025753562.1 46.7 75
40 0 1 75 240 314 9.10E-10 71.2 8128 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichliformes;Cichlidae;African

cichlids;Pseudocrenilabrinae;Oreochromini;Oreochromis;Oreochromis niloticus

UdeM00000002496 218467 103.6 UdeM00000002496 XP_023210553.1 34.5
148 81 1 4 135 91 238 2.00E-19 103.6 218467

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthida;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus

UdeM00000002497 400727 84.3 UdeM00000002497 XP_025081961.1 63.3
60 21 1 6 65 6 64 1.10E-13 84.3 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000002498 6596 386.7 UdeM00000002498 XP_045184753.1 35.6 696
380 14 5 649 10 688 5.70E-104 386.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002499 6596 330.9 UdeM00000002499 XP_045184753.1 37.1 591
309 13 1 545 115 688 3.10E-87 330.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002500 6579 512.3 UdeM00000002500 XP_033725398.1 53.7 588
227 14 1 572 1 559 7.90E-142 512.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002501 6596 426.8 UdeM00000002501 XP_045184712.1 41.8 490
280 2 12 496 18 507 3.80E-116 426.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002504 6596 135.2 UdeM00000002504 XP_045184589.1 75.3 77
19 0 12 88 264 340 4.40E-29 135.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002505 37653 188 UdeM00000002505 XP_014780111.1 72.2 115
32 0 12 126 173 287 7.70E-45 188 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000002506 2607531 185.3 UdeM00000002506 XP_029639912.1 58.6
145 59 1 3 146 8 152 5.70E-44 185.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000002507 6596 364 UdeM00000002507 XP_045184896.1 50.4 351
164 5 1 345 1 347 2.70E-97 364 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002508 6596 146.7 UdeM00000002508 XP_045183842.1 67.8 118
38 0 1 118 1 118 1.80E-32 146.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002509 6596 951.8 UdeM00000002509 XP_045184129.1 71.5 662
180 4 13 668 1 659 4.60E-274 951.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002510 6596 973.4 UdeM00000002510 XP_045167388.1 91.8 513
42 0 1 513 1 513 1.10E-280 973.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002511 400727 144.4 UdeM00000002511 XP_025080870.1 62.7
110 40 1 1 110 80 188 9.30E-32 144.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000002512 6579 283.5 UdeM00000002512 XP_033725273.1 56 241
105 1 66 306 78 317 3.20E-73 283.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000002514 6579 149.8 UdeM00000002514 XP_033725273.1 63.3 109
40 0 22 130 84 192 2.40E-33 149.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000002513 6579 149.8 UdeM00000002513 XP_033725273.1 63.3 109
40 0 74 182 84 192 3.30E-33 149.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000002515 6579 279.6 UdeM00000002515 XP_033725273.1 56.2 235
102 1 72 306 84 317 4.60E-72 279.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000002516 29159 518.5 UdeM00000002516 XP_019926413.2 70.6 371
101 4 1 371 239 601 7.80E-144 518.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracoda; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000002517 6579 335.1 UdeM00000002517 XP_033725273.1 54.7 285
127 2 74 357 84 367 1.10E-88 335.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000002518 6579 282.3 UdeM00000002518 XP_033725273.1 56.6 235
101 1 72 306 84 317 7.20E-73 282.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000002519 1735272 320.1 UdeM00000002519 XP_041356334.1 47.6
334 167 5 21 351 14 342 3.60E-84 320.1 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000002520 30732 179.5 UdeM00000002520 XP_024118320.1 43.3 208
116 2 14 221 409 614 4.70E-42 179.5 30732 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthopterygii; Euacanthopterygii; Percomorphaceae; Ovalentaria; Atherinomorpha; Belontiiformes; Adrianichthyoidei; Adrianichthyidae; Oryziinae; Oryzias; Oryzias melastigma

UdeM00000002522 8236 120.2 UdeM00000002522 XP_044216249.1 39 177
102 2 31 207 100 270 3.20E-24 120.2 8236 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombr
idae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000002521 8236 95.1 UdeM00000002521 XP_044224186.1 35.5 152
94 1 17 168 10 157 9.10E-17 95.1 8236 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombr
idae;Scombrinae;Thunnini;Thunnus;Thunnus albacares

UdeM00000002523 6579 244.2 UdeM00000002523 XP_033731739.1 36.7 376
103 1 2 242 3 378 1.70E-61 244.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002524 6573 61.2 UdeM00000002524 XP_021341725.1 60.4 48
19 0 1 48 1 48 7.80E-07 61.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002525 6596 306.2 UdeM00000002525 XP_045192227.1 42.4 361
193 4 8 356 75 432 5.50E-80 306.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002526 6596 306.2 UdeM00000002526 XP_045192227.1 42.4 361
193 4 8 356 75 432 5.50E-80 306.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002527 6596 320.5 UdeM00000002527 XP_045192227.1 41.6 380
199 4 9 370 58 432 2.90E-84 320.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002528 6596 326.2 UdeM00000002528 XP_045192227.1 44.5 371
190 4 110 468 66 432 6.70E-86 326.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002529 6596 327.4 UdeM00000002529 XP_045173066.1 44.2 355
189 6 48 399 6 354 2.50E-86 327.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000002531 1735272 284.6 UdeM00000002531 XP_041355659.1 55.3
 302 72 7 8 284 71 334 1.50E-73 284.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002532 6596 183.3 UdeM00000002532 XP_045183494.1 71.6 134
 33 1 5 133 204 337 2.30E-43 183.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002533 6573 290.8 UdeM00000002533 XP_021347459.1 29.2 706
 471 16 84 778 507 1194 5.10E-75 290.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002534 6596 148.7 UdeM00000002534 XP_045183740.1 27.2 519
 330 17 129 617 25 525 2.50E-32 148.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002536 6573 1286.6 UdeM00000002536 XP_021359268.1 72.1
 1093 287 5 1 1077 1 1091 0.00E+00 1286.6 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000002537 400727 434.5 UdeM00000002537 XP_025076618.1 85.6
 264 35 1 1 264 1 261 1.00E-118 434.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000002538 2607531 574.7 UdeM00000002538 XP_029645852.1 53.2
 707 236 19 447 1124 500 1140 2.80E-160 574.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000002539 6579 58.2 UdeM00000002539 XP_033725779.1 57.7 52
 10 2 15 66 8 47 6.80E-06 58.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000002540 6596 2656.3 UdeM00000002540 XP_045184308.1 39.1
 3736 1973 79 75 3577 40 3704 0.00E+00 2656.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000002544 72036 207.2 UdeM00000002544 XP_040576246.1 47.6 210
 108 2 7 214 117 326 2.00E-50 207.2 72036 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
 aligidae;Lepeophtheirus;Lepeophtheirus salmonis
 UdeM00000002545 6596 119.4 UdeM00000002545 XP_045184308.1 47.5 99
 52 0 2 100 104 202 3.40E-24 119.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002546 6596 200.7 UdeM00000002546 XP_045184308.1 50.3 165
 82 0 12 176 38 202 1.80E-48 200.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002549 6596 98.6 UdeM00000002549 XP_045189682.1 38.8 147
 75 3 704 840 310 451 4.00E-17 98.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002550 1735272 110.5 UdeM00000002550 XP_041347231.1 45
 129 70 1 335 462 6 134 5.80E-21 110.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000002551 6596 91.7 UdeM00000002551 XP_045189098.1 27 226
 147 4 263 483 5 217 2.80E-15 91.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002552 417921 78.6 UdeM00000002552 XP_034747423.1 29.2
 185 123 5 286 462 495 679 2.40E-11 78.6 417921
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Percoide
 i;Percidae;Etheostomatinae;Etheostoma;Ozarka;Etheostoma cragini
 UdeM00000002553 6596 119 UdeM00000002553 XP_045189682.1 24.3 526
 308 16 15 536 10 449 1.90E-23 119 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002554 6565 68.2 UdeM00000002554 XP_022305631.1 58.9 56
 23 0 18 73 72 127 6.10E-09 68.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000002555 6596 385.6 UdeM00000002555 XP_045183329.1 61.3 305
116 2 2 305 731 1034 6.00E-104 385.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002556 6596 698 UdeM00000002556 XP_045183325.1 69.9 479
141 3 84 561 173 649 1.00E-197 698 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002557 6596 68.6 UdeM00000002557 XP_045183325.1 41.6 89
38 1 22 110 27 101 7.80E-09 68.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002558 6596 6762.2 UdeM00000002558 XP_045184664.1 78.9
4292 797 14 1 4257 1 4218 0.00E+00 6762.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000002560 1735272 127.1 UdeM00000002560 XP_041359938.1 57.4
108 43 2 12 118 27 132 1.60E-26 127.1 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000002559 1735272 143.3 UdeM00000002559 XP_041359938.1 56
125 52 2 18 141 10 132 2.50E-31 143.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000002561 6689 222.2 UdeM00000002561 XP_027217198.1 43.3 321
128 10 23 291 49 367 8.80E-55 222.2 6689 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
a;Penaeoidea;Penaeidae;Penaeus;Penaeus vannamei
UdeM00000002562 6565 454.1 UdeM00000002562 XP_022309040.1 70.6 337
97 2 12 347 32 367 1.60E-124 454.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000002563 7739 119 UdeM00000002563 XP_035677191.1 45.1 164
78 3 2 157 203 362 6.00E-24 119 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000002565 210409 115.9 UdeM00000002565 XP_045101169.1 33.7
172 109 2 61 228 116 286 7.00E-23 115.9 210409
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Brachyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus trituberculatus

UdeM00000002564 210409 156.8 UdeM00000002564 XP_045101169.1 31.3
262 172 4 61 317 116 374 4.80E-35 156.8 210409
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Brachyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus trituberculatus

UdeM00000002568 6596 505.4 UdeM00000002568 XP_045161411.1 54.5 475
213 2 3 477 15 486 9.20E-140 505.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002569 29159 107.5 UdeM00000002569 XP_019926413.2 43.5 161
18 3 1 88 292 452 9.60E-21 107.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000002570 7574 84 UdeM00000002570 XP_013401704.1 42.3 78
45 0 3 80 754 831 1.00E-13 84 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000002572 6579 828.2 UdeM00000002572 XP_033729588.1 47.9 918
424 18 14 895 5 904 1.00E-236 828.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000002573 6573 111.3 UdeM00000002573 XP_021346496.1 37.3 169
99 3 1 169 406 567 1.60E-21 111.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000002574 6596 132.9 UdeM00000002574 XP_045181000.1 70.5 88
26 0 30 117 867 954 2.80E-28 132.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000002578 6706 152.5 UdeM00000002578 XP_042235765.1 44.6 157
87 0 1 157 1 157 4.50E-34 152.5 6706 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul

ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000002579 7054 410.6 UdeM00000002579 XP_031328250.1 45.6 467
 218 4 1 431 1 467 2.50E-111 410.6 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000002580 6596 466.5 UdeM00000002580 XP_045182316.1 38 815
 413 15 1 774 392 1155 6.80E-128 466.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000002581 218467 112.5 UdeM00000002581 XP_023212120.1 39.4
 137 83 0 1 137 16 152 7.60E-22 112.5 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000002585 37621 152.1 UdeM00000002585 XP_014677757.1 59.1 127
 50 1 1 125 235 361 4.60E-34 152.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000002586 50429 93.2 UdeM00000002586 XP_022785721.1 33.2 211
 128 4 1 199 365 574 4.90E-16 93.2 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000002590 46514 138.7 UdeM00000002590 XP_038073136.1 37.7 531
 285 10 1 497 14 532 2.10E-29 138.7 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000002591 46514 120.6 UdeM00000002591 XP_038073135.1 42.6 148
 78 2 1 148 393 533 1.80E-24 120.6 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000002596 29159 121.7 UdeM00000002596 XP_034330911.1 59.8 92
 35 2 1 91 308 398 5.20E-25 121.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000002597 6565 90.1 UdeM00000002597 XP_022322655.1 52.4 84
 40 0 1 84 629 712 2.20E-15 90.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000002598 6565 177.2 UdeM00000002598 XP_022322655.1 36.2 287
 89 3 4 197 330 615 3.10E-41 177.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
 UdeM00000002600 1735272 146.7 UdeM00000002600 XP_041349428.1 46.2
 158 83 2 1 157 76 232 2.40E-32 146.7 1735272
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
 tospiridae; Gigantopelta; Gigantopelta aegis
 UdeM00000002601 6596 467.6 UdeM00000002601 XP_045182316.1 38.6 814
 410 16 1 774 392 1155 3.00E-128 467.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM000000031563 6596 689.5 UdeM000000031563 XP_045207279.1 82.3 396
 70 0 33 428 30 425 2.70E-195 689.5 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM000000031564 400727 218.4 UdeM000000031564 XP_025082283.1 62.4
 157 59 0 1 157 1 157 7.30E-54 218.4 400727
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
 ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
 UdeM000000031565 8364 133.3 UdeM000000031565 XP_031750186.1 56 109
 48 0 5 113 181 289 2.10E-28 133.3 8364 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc
 opterygii; Dipnotetrapodomorpha; Tetrapoda; Amphibia; Batrachia; Anura; Pipoide
 a; Pipidae; Xenopodinae; Xenopus; Silurana; Xenopus tropicalis
 UdeM000000031566 7070 123.2 UdeM000000031566 XP_008193100.1 48 125
 63 1 5 127 1 125 2.30E-25 123.2 7070 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucu
 jiformia; Tenebrionoidea; Tenebrionidae; Tenebrionidae incertae
 sedis; Tribolium; Tribolium castaneum
 UdeM000000031567 6596 559.7 UdeM000000031567 XP_045207021.1 69.7 383
 114 2 79 460 16 397 3.70E-156 559.7 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM000000031569 6105 176.4 UdeM000000031569 XP_031549116.1 62.5 136
 46 2 1 132 8 142 2.40E-41 176.4 6105 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
 corallia; Actiniaria; Actiniidae; Actinia; Actinia tenebrosa
 UdeM000000031570 7739 580.9 UdeM000000031570 XP_035696678.1 56.8 481
 205 1 2 479 423 903 1.60E-162 580.9 7739 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
 anchiostoma; Branchiostoma floridae

UdeM00000031572 6573 418.7 UdeM00000031572 XP_021346042.1 38 616
 365 9 73 675 77 688 1.50E-113 418.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031573 6573 394.4 UdeM00000031573 XP_021346042.1 37.3 617
 368 10 73 675 77 688 3.00E-106 394.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031574 6596 693.3 UdeM00000031574 XP_045208160.1 69.9 479
 135 2 1 479 1 470 2.10E-196 693.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031575 6596 386.7 UdeM00000031575 XP_045209665.1 50.6 385
 173 3 56 435 62 434 7.90E-104 386.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031576 6596 188.3 UdeM00000031576 XP_045215823.1 40.4 245
 139 2 7 244 9 253 1.20E-44 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031577 1735272 123.6 UdeM00000031577 XP_041371767.1 45.3
 137 74 1 20 156 285 420 2.20E-25 123.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031578 6596 162.5 UdeM00000031578 XP_045207293.1 35.9 443
 247 13 1 434 1 415 1.20E-36 162.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031579 40690 136.7 UdeM00000031579 XP_034006674.1 36.7 210
 129 3 2 209 4 211 3.40E-29 136.7 40690 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Nototheniidae;Trematomus;Trematomus bernacchii
 UdeM00000031580 6596 257.3 UdeM00000031580 XP_045207294.1 43.9 437
 207 15 6 425 685 1100 3.40E-65 257.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031581 45351 81.6 UdeM00000031581 XP_032220815.1 27.3 183
 106 5 28 195 7215 7385 1.20E-12 81.6 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000031582 119488 94 UdeM00000031582 XP_044077010.1 29.4
 221 132 6 9 217 1822 2030 6.90E-16 94 119488
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Centrarchiformes;Cen
 trarchoidei;Sinipercidae;Siniperca;Siniperca chuatsi
 UdeM00000031584 27405 161.8 UdeM00000031584 XP_042891124.1 34.2 322
 195 8 3 320 176 484 1.60E-36 161.8 27405 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus japonicus
 UdeM00000031585 10228 64.3 UdeM00000031585 XP_002115595.1 28.3 184
 99 6 18 181 6 176 3.50E-07 64.3 10228 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
 e;Trichoplax;Trichoplax adhaerens
 UdeM00000031586 8245 71.2 UdeM00000031586 XP_039999701.1 29.6 216
 118 8 9 197 362 570 2.30E-09 71.2 8245 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Istiophoriformes;Xip
 hiidae;Xiphias;Xiphias gladius
 UdeM00000031587 8245 71.2 UdeM00000031587 XP_039999701.1 29.6 216
 118 8 9 197 362 570 2.30E-09 71.2 8245 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Carangaria;Istiophoriformes;Xip
 hiidae;Xiphias;Xiphias gladius
 UdeM00000031590 7668 127.1 UdeM00000031590 XP_030853861.1 33 224
 129 5 2 224 196 399 3.20E-26 127.1 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000031591 119488 94 UdeM00000031591 XP_044077010.1 29.4
 221 132 6 9 217 1822 2030 7.00E-16 94 119488
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Centrarchiformes;Cen
 trarchoidei;Sinipercidae;Siniperca;Siniperca chuatsi

UdeM00000031592 119488 84.7 UdeM00000031592 XP_044077010.1 30.4
 194 114 5 11 195 1849 2030 2.80E-13 84.7 119488
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Centrarchiformes;Cen
 trarchoidei;Siniperca;Siniperca chuatsi
 UdeM00000031594 6573 187.2 UdeM00000031594 XP_021358159.1 36.3 303
 180 7 1 293 361 660 4.70E-44 187.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031595 7739 60.5 UdeM00000031595 XP_035696427.1 27.4 135
 95 3 44 176 148 281 2.60E-06 60.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000031597 1735272 743.4 UdeM00000031597 XP_041372090.1 54.9
 748 320 8 1 738 1 741 2.70E-211 743.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000031599 6596 404.8 UdeM00000031599 XP_045210294.1 71.4 259
 74 0 12 270 76 334 8.70E-110 404.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031600 6573 111.7 UdeM00000031600 XP_021361941.1 94.4 54
 3 0 1 54 384 437 7.20E-22 111.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000031601 6596 350.9 UdeM00000031601 XP_045207784.1 32.6 650
 408 16 121 753 26 662 4.00E-93 350.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031602 6596 684.5 UdeM00000031602 XP_045209677.1 60 553
 160 1 8 560 65 556 1.10E-193 684.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031604 6596 83.6 UdeM00000031604 XP_045206250.1 47.8 69
 36 0 2 70 1 69 1.50E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000031605 6596 109.4 UdeM00000031605 XP_045206250.1 42 131
 70 3 109 238 570 695 7.70E-21 109.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031606 6596 667.2 UdeM00000031606 XP_045208275.1 59 561
 230 0 37 597 29 589 2.00E-188 667.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031607 6596 129 UdeM00000031607 XP_045210204.1 45.1 144
 71 4 13 153 6 144 5.40E-27 129 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000031608 6596 400.6 UdeM00000031608 XP_045169179.1 27 1219
 373 8 25 1226 201 919 7.20E-108 400.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000044288 83332 497.3 UdeM00000044288 NP_214848.1 81.5 287 53
 0 1 287 1 287 1.30E-137 497.3 83332 cellular
 organisms;Bacteria;Terrabacteria
 group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Myc
 obacterium;Mycobacterium tuberculosis complex;Mycobacterium
 tuberculosis;Mycobacterium tuberculosis H37Rv
 UdeM00000044163 400727 124.8 UdeM00000044163 XP_025077214.1 71.1
 83 24 0 1 83 2 84 5.50E-26 124.8 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000044164 6573 127.9 UdeM00000044164 XP_021372240.1 47.6 126
 65 1 1 126 175 299 9.60E-27 127.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008110 6596 887.5 UdeM00000008110 XP_045165907.1 65.9 595
 202 1 1 595 43 636 9.60E-255 887.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008111 6596 855.9 UdeM00000008111 XP_045165907.1 61.8 613
 233 1 1 613 43 654 3.20E-245 855.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008112 6565 183 UdeM00000008112 XP_022301391.1 27.7 668
 341 24 62 724 120 650 1.40E-42 183 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008113 6596 131.7 UdeM00000008113 XP_045165824.1 54.5 121
 54 1 4 124 2 121 6.70E-28 131.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008115 6579 79.7 UdeM00000008115 XP_033744385.1 36.2 138
 77 6 20 155 52 180 1.10E-11 79.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008116 6565 278.5 UdeM00000008116 XP_022341771.1 35.4 469
 273 10 100 561 18 463 1.90E-71 278.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008117 6596 873.2 UdeM00000008117 XP_045164587.1 85.7 511
 73 0 1 511 42 552 1.60E-250 873.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008118 6596 617.8 UdeM00000008118 XP_045164751.1 70.6 435
 114 6 1 428 1 428 1.00E-173 617.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008119 6596 600.5 UdeM00000008119 XP_045164750.1 73.5 396
 99 2 39 428 79 474 1.70E-168 600.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008120 6596 602.8 UdeM00000008120 XP_045164751.1 70.2 430
 116 5 1 422 1 426 3.30E-169 602.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008121 2607531 305.1 UdeM00000008121 XP_029657462.1 56.3
 277 121 0 92 368 7 283 1.30E-79 305.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008122 7725 141.4 UdeM00000008122 XP_039263221.1 62.5 112
 41 1 48 158 9 120 1.30E-30 141.4 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Tunicata;Ascidiacea;Stolidobranchia;Styelidae;Styela;Styela
clava
UdeM00000008123 6596 1011.1 UdeM00000008123 XP_045164746.1 66.5
830 223 17 5 802 1335 2141 7.70E-292 1011.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008124 6596 1023.1 UdeM00000008124 XP_045164746.1 67.2
830 215 17 5 800 1335 2141 1.90E-295 1023.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008125 1735272 1233.8 UdeM00000008125 XP_041350165.1
77.1 946 203 5 11 946 222 1163 0.00E+00 1233.8
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008126 6596 250 UdeM00000008126 XP_045164746.1 71.8 188
50 2 1 185 186 373 2.90E-63 250 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008127 29159 169.9 UdeM00000008127 XP_011452717.2 36.5 457
190 15 28 473 119 486 8.10E-39 169.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008129 1735272 136.7 UdeM00000008129 XP_041346967.1 53
100 47 0 2 101 72 171 1.60E-29 136.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008130 1735272 245.7 UdeM00000008130 XP_041346967.1 59.1
171 70 0 1 171 1 171 4.20E-62 245.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008131 6596 320.5 UdeM00000008131 XP_045166360.1 52.3 363
145 6 245 605 155 491 4.70E-84 320.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008132 6596 588.6 UdeM00000008132 XP_045166363.1 63.9 501
167 6 7 501 5 497 7.60E-165 588.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008133 1735272 293.5 UdeM00000008133 XP_041347587.1 39.7
406 232 5 66 465 61 459 4.80E-76 293.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000008134 441366 392.1 UdeM00000008134 XP_028296753.1 39.1
594 334 11 6 591 32 605 1.20E-105 392.1 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000008135 29159 185.7 UdeM00000008135 XP_011435143.2 32 316
192 6 65 361 73 384 1.10E-43 185.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008136 29159 322.8 UdeM00000008136 XP_011449154.2 72.4 196
53 1 1 195 1 196 3.00E-85 322.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008137 6596 177.2 UdeM00000008137 XP_045165288.1 96.4 84
3 0 1 84 1 84 9.10E-42 177.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008138 6573 321.2 UdeM00000008138 XP_021367512.1 90.6 181
17 0 1 181 1 181 8.20E-85 321.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008139 6596 242.7 UdeM00000008139 XP_045165270.1 33.2 461
216 9 18 397 1 450 8.30E-61 242.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008140 6579 418.3 UdeM00000008140 XP_033746082.1 50.7 361
170 4 26 386 34 386 1.10E-113 418.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008141 6596 1148.3 UdeM00000008141 XP_045164959.1 46.9
1307 647 20 1 1276 1 1291 0.00E+00 1148.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008144 6500 463.8 UdeM00000008144 XP_012939160.1 62 366
137 2 1 366 1 364 2.10E-127 463.8 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000008145 6500 463.8 UdeM00000008145 XP_012939160.1 62 366
137 2 49 414 1 364 2.30E-127 463.8 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000008146 37653 380.2 UdeM00000008146 XP_014780437.1 64.8 290
102 0 1 290 1 290 2.40E-102 380.2 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000008147 1735272 351.3 UdeM00000008147 XP_041350129.1 67
264 87 0 1 264 30 293 1.10E-93 351.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000008148 6596 671.4 UdeM00000008148 XP_045166272.1 52.7 674
264 9 415 1054 17 669 1.90E-189 671.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008149 6573 661.4 UdeM00000008149 XP_021369597.1 41.1 957
463 19 21 906 143 1069 1.70E-186 661.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008150 29159 1508.8 UdeM00000008150 XP_034307022.1 70.5
1187 300 6 194 1371 221 1366 0.00E+00 1508.8

29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008152 80966 184.5 UdeM00000008152 XP_022077561.1 55.8 156
69 0 1 156 116 271 1.00E-43 184.5 80966 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Ovalentaria incertae sedis;Pomacentridae;Acanthochromis;Acanthochromis polyacanthus

UdeM00000008153 6596 660.6 UdeM00000008153 XP_045165900.1 58.1 589
232 7 163 745 520 1099 2.40E-186 660.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000008154 6596 587.4 UdeM00000008154 XP_045166639.1 56.6 502
 217 1 1 501 1 502 1.70E-164 587.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008155 29159 220.7 UdeM00000008155 XP_011447818.1 58.9 180
 67 1 8 187 9 181 1.60E-54 220.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008156 1735272 395.6 UdeM00000008156 XP_041366909.1 31.8
 804 495 14 33 799 1 788 1.50E-106 395.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008157 1735272 370.2 UdeM00000008157 XP_041366909.1 31
 800 499 12 37 799 5 788 6.80E-99 370.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008158 6500 93.6 UdeM00000008158 XP_012939634.1 53.4 88
 35 1 35 116 2200 2287 1.80E-16 93.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000008159 400727 392.1 UdeM00000008159 XP_025088349.1 31.1
 847 519 13 2 803 733 1559 1.70E-105 392.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000008161 6579 394.4 UdeM00000008161 XP_033746771.1 32.2 833
 513 16 54 860 59 865 3.70E-106 394.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008162 6526 105.9 UdeM00000008162 XP_013090465.1 36.3 171
 104 2 41 211 102 267 6.90E-20 105.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000008163 1735272 395.6 UdeM00000008163 XP_041362996.1 29.8
 865 548 15 114 938 44 889 1.80E-106 395.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000008166 1735272 392.1 UdeM00000008166 XP_041366909.1 32.2
 805 493 11 147 914 1 789 1.90E-105 392.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008165 1735272 392.1 UdeM00000008165 XP_041366909.1 32.2
 805 493 11 131 898 1 789 1.90E-105 392.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008167 6596 141.4 UdeM00000008167 XP_045212236.1 41.9 172
 88 5 1 170 261 422 1.10E-30 141.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008168 6526 166.8 UdeM00000008168 XP_013090465.1 34 303
 196 3 2 302 121 421 4.90E-38 166.8 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000008169 6596 247.7 UdeM00000008169 XP_045164487.1 40.7 413
 214 15 14 409 17 415 3.60E-62 247.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008170 6596 181.8 UdeM00000008170 XP_045165924.1 64.7 150
 49 2 1 150 1301 1446 6.50E-43 181.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008171 6596 834.7 UdeM00000008171 XP_045165924.1 54.6 810
 354 7 1 802 643 1446 9.80E-239 834.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008172 6579 546.2 UdeM00000008172 XP_033731370.1 67.2 418
 131 2 1 413 146 562 3.60E-152 546.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008173 6565 75.5 UdeM00000008173 XP_022297746.1 45.8 96
 41 3 1 96 1 85 9.60E-11 75.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008174 6596 1078.5 UdeM00000008174 XP_045165133.1 50.2
 1133 518 16 8 1118 2 1110 0.00E+00 1078.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008176 260615 529.3 UdeM00000008176 XP_039342393.1 90.7
290 26 1 110 398 185 474 5.50E-147 529.3 260615

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Testudinata;Testudines;Cryptodira;Durocryptodira;Testudinoidea;Ge
oemydidae;Geoemydinae;Mauremys;Mauremys reevesii

UdeM00000008177 6596 257.7 UdeM00000008177 XP_045164112.1 57 230
93 2 7 233 4 230 1.40E-65 257.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008178 6596 193.4 UdeM00000008178 XP_045195740.1 56 166
73 0 1 166 1 166 2.40E-46 193.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008180 6596 188 UdeM00000008180 XP_045188305.1 57.8 161
66 1 1 159 1 161 9.70E-45 188 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008181 400727 371.7 UdeM00000008181 XP_025106301.1 95.7
185 8 0 1 185 1 185 5.40E-100 371.7 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000008182 400727 295 UdeM00000008182 XP_025106301.1 95.9
147 6 0 1 147 1 147 5.10E-77 295 400727

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000008184 6500 90.1 UdeM00000008184 XP_005097619.2 40.8 98
58 0 8 105 515 612 2.00E-15 90.1 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000008185 6596 84 UdeM00000008185 XP_045166890.1 34.4 151
88 4 13 158 1016 1160 3.10E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008186 29159 93.6 UdeM00000008186 XP_011449680.2 35.6 160
 93 5 37 190 20 175 3.50E-16 93.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008187 6573 429.1 UdeM00000008187 XP_021346977.1 33.4 809
 485 19 1 771 190 982 1.40E-116 429.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008188 29159 385.6 UdeM00000008188 XP_011450941.2 67.1 292
 90 3 62 349 63 352 9.20E-104 385.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008189 6596 612.8 UdeM00000008189 XP_045167047.1 41.2 953
 488 21 221 1142 26 937 8.70E-172 612.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008190 6596 963.8 UdeM00000008190 XP_045165190.1 69.9 655
 186 4 5 657 13 658 1.10E-277 963.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008191 1735272 711.8 UdeM00000008191 XP_041350139.1 67.5
 557 147 8 1 543 1 537 6.50E-202 711.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008192 6565 1411 UdeM00000008192 XP_022298165.1 55.4 1685
 557 23 1 1668 1 1507 0.00E+00 1411 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008193 6565 1411.7 UdeM00000008193 XP_022298165.1 55.5
 1679 556 23 1 1660 1 1507 0.00E+00 1411.7 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008194 37653 782.7 UdeM00000008194 XP_014790510.1 74 504
 128 3 1 504 1 501 2.80E-223 782.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000008195 6573 84.3 UdeM00000008195 XP_021356963.1 31.2 154
 91 4 10 162 13 152 1.50E-13 84.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008196 6596 1933.7 UdeM00000008196 XP_045166953.1 54.1
 1593 639 16 1 1515 378 1956 0.00E+00 1933.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008197 225164 487.6 UdeM00000008197 XP_009057908.1 65.9
 328 112 0 21 348 35 362 1.30E-134 487.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000008198 6596 129.4 UdeM00000008198 XP_045165126.1 50 132
 53 3 1 119 1 132 5.20E-27 129.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008199 6573 355.1 UdeM00000008199 XP_021343983.1 39.8 533
 269 7 1 481 1 533 1.50E-94 355.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008200 400727 209.5 UdeM00000008200 XP_025106511.1 26.5
 565 372 10 324 867 68 610 1.70E-50 209.5 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000008201 2607531 232.6 UdeM00000008201 XP_036364909.1 24.8
 870 586 25 26 857 5 844 1.80E-57 232.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008203 6573 439.1 UdeM00000008203 XP_021370993.1 38.6 1694
 949 9 1 1676 1 1621 2.50E-119 439.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008204 6579 233.4 UdeM00000008204 XP_033744897.1 56.4 225
 97 1 2 225 127 351 2.80E-58 233.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008205 6565 812 UdeM00000008205 XP_022299885.1 79.9 507
 94 2 1 507 1 499 4.30E-232 812 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008206 6596 453.4 UdeM00000008206 XP_045167224.1 36.1 883
 448 23 10 854 9 813 7.80E-124 453.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008208 6596 247.7 UdeM00000008208 XP_045185726.1 26.6 842
520 23 25 788 604 1425 5.10E-62 247.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008209 6596 89.4 UdeM00000008209 XP_045161346.1 50.6 77
38 0 51 127 433 509 3.80E-15 89.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008210 1529436 452.6 UdeM00000008210 XP_033114642.1 47.7
434 227 0 78 511 98 531 6.90E-124 452.6 1529436
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000008211 400727 81.6 UdeM00000008211 XP_025107998.1 38.6
153 62 5 92 232 264 396 1.40E-12 81.6 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000008214 6565 501.1 UdeM00000008214 XP_022298175.1 41.1 547
312 6 11 551 9 551 2.40E-138 501.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostracida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008215 400727 162.5 UdeM00000008215 XP_025106973.1 50.3
157 67 5 5 160 41 187 4.40E-37 162.5 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000008216 6596 201.4 UdeM00000008216 XP_045190752.1 41.9 284
161 3 21 302 16 297 1.60E-48 201.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008217 6596 181.4 UdeM00000008217 XP_045165910.1 34.7 259
158 6 10 264 20 271 2.60E-42 181.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008218 6579 264.2 UdeM00000008218 XP_033745014.1 69.3 192
59 0 1 192 1 192 1.30E-67 264.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008219 6596 1409 UdeM00000008219 XP_045165453.1 58.3 1243
452 11 141 1372 159 1346 0.00E+00 1409 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008220 29159 122.9 UdeM00000008220 XP_011415029.2 40.5 185
69 3 228 408 386 533 9.80E-25 122.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008221 6579 663.3 UdeM00000008221 XP_033744468.1 69.7 729
167 7 1 698 1 706 3.40E-187 663.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008222 151771 137.1 UdeM00000008222 XP_028415423.1 31.6
323 208 7 4 325 7 317 3.90E-29 137.1 151771
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea
UdeM00000008223 6565 1177.2 UdeM00000008223 XP_022299509.1 41
1494 786 23 3 1435 1200 2659 0.00E+00 1177.2 6565
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008224 29159 246.9 UdeM00000008224 XP_034306996.1 31.8 510
292 15 806 1306 651 1113 1.50E-61 246.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008225 6596 336.7 UdeM00000008225 XP_045165923.1 50 328
154 2 1 322 1 324 3.70E-89 336.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008226 6596 344 UdeM00000008226 XP_045165923.1 54.6 302
131 2 18 313 23 324 2.20E-91 344 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008228 6596 389.8 UdeM00000008228 XP_045181993.1 50 342
165 1 349 690 425 760 7.20E-105 389.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008229 6596 474.9 UdeM00000008229 XP_045164530.1 67.8 345
 109 1 1 345 1 343 9.10E-131 474.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008230 6596 433.7 UdeM00000008230 XP_045164530.1 69.6 306
 91 1 23 328 40 343 2.20E-118 433.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008231 6596 623.6 UdeM00000008231 XP_045164530.1 50.5 689
 308 9 1 672 354 1026 3.10E-175 623.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008232 6596 558.5 UdeM00000008232 XP_045164801.1 51.1 568
 266 8 5 565 3 565 9.60E-156 558.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008233 6596 545.4 UdeM00000008233 XP_045164801.1 49.1 591
 266 9 5 588 3 565 8.80E-152 545.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008234 6596 870.9 UdeM00000008234 XP_045166452.1 45.9 1010
 527 10 13 1014 10 1008 1.60E-249 870.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008235 7725 512.3 UdeM00000008235 XP_039252219.1 29.1 1013
 553 26 16 863 191 1203 1.20E-141 512.3 7725 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Stolidobranhia;Styelidae;Styela;Styela
 clava
 UdeM00000008236 6596 169.9 UdeM00000008236 XP_045164793.1 35.5 273
 154 4 11 283 1606 1856 9.50E-39 169.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008237 6596 503.4 UdeM00000008237 XP_045164793.1 34.7 999
 531 28 26 979 612 1534 6.40E-139 503.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008238 6596 89.7 UdeM00000008238 XP_045164793.1 53.8 91
 35 2 4 87 1431 1521 2.30E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008239 6596 167.5 UdeM00000008239 XP_045164793.1 27.9 469
 262 12 26 465 612 1033 4.10E-38 167.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008240 41117 156.8 UdeM00000008240 XP_037069862.1 26.5 535
 307 18 5 481 27 533 7.30E-35 156.8 41117 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Hexanauplia;Thecostraca;Cirripedia;Thoracica;Pedunculata;Scal
 pellomorpha;Pollicipedidae;Pollicipes;Pollicipes pollicipes
 UdeM00000008241 6573 435.3 UdeM00000008241 XP_021359532.1 35.9 710
 367 16 2 690 4 646 1.50E-118 435.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008242 29159 312.4 UdeM00000008242 XP_034317976.1 51.8 299
 110 3 3 267 363 661 5.70E-82 312.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008243 29159 118.2 UdeM00000008243 XP_034317976.1 30 247
 72 2 2 147 10 256 1.00E-23 118.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008244 6579 326.6 UdeM00000008244 XP_033758230.1 41.5 470
 199 7 1 394 335 804 4.60E-86 326.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008245 6579 272.3 UdeM00000008245 XP_033758230.1 53.5 260
 118 1 16 272 545 804 7.30E-70 272.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008246 6573 467.2 UdeM00000008246 XP_021346496.1 38.7 692
 362 9 258 915 28 691 4.70E-128 467.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008247 6596 543.1 UdeM00000008247 XP_045166462.1 48.4 597
 291 9 36 620 39 630 4.60E-151 543.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008248 6565 510.8 UdeM00000008248 XP_022300592.1 39.5 782
 313 12 1 779 9 633 3.20E-141 510.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008250 6565 1006.9 UdeM00000008250 XP_022300021.1 57.3
 857 350 9 1 850 1 848 1.50E-290 1006.9 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008251 6596 443 UdeM00000008251 XP_045204253.1 63.9 360
 107 1 12 371 7 343 4.00E-121 443 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008252 6579 115.5 UdeM00000008252 XP_033746734.1 58.7 92
 38 0 2 93 4 95 3.60E-23 115.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008253 6579 489.6 UdeM00000008253 XP_033746321.1 42.8 697
 326 7 1 626 1 695 6.20E-135 489.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008255 6579 277.3 UdeM00000008255 XP_033725469.1 37.8 413
 233 7 1 389 1 413 3.00E-71 277.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008254 6579 1345.1 UdeM00000008254 XP_033725469.1 47.1
 1651 764 25 1 1560 1 1633 0.00E+00 1345.1 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008256 6573 792.3 UdeM00000008256 XP_021365190.1 77 512
 116 2 1 510 1 512 3.50E-226 792.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008257 6565 433 UdeM00000008257 XP_022302301.1 28.7 981
 599 14 48 935 86 1059 1.00E-117 433 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008258 7654 94.4 UdeM00000008258 XP_041484593.1 34.4 151
 93 2 1 146 96 245 3.10E-16 94.4 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus

UdeM00000008259 6596 320.1 UdeM00000008259 XP_045198162.1 31.1 666
 423 13 1 642 279 932 6.60E-84 320.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008260 6596 420.6 UdeM00000008260 XP_045198162.1 32.4 886
 544 18 7 860 70 932 4.80E-114 420.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008261 6565 424.1 UdeM00000008261 XP_022302299.1 28.2 941
 590 13 116 979 144 1075 4.90E-115 424.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008262 6565 139.8 UdeM00000008262 XP_022300127.1 77.8 81
 18 0 11 91 14 94 1.70E-30 139.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008263 6573 152.5 UdeM00000008263 XP_021379641.1 44.8 192
 101 2 2 193 3 189 5.40E-34 152.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000008264 6526 133.3 UdeM00000008264 XP_013065302.1 41.4 174
 95 3 34 205 22 190 3.60E-28 133.3 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata

UdeM00000008265 6596 173.3 UdeM00000008265 XP_045164793.1 44.7 199
 108 2 147 345 1608 1804 5.40E-40 173.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008266 7739 256.9 UdeM00000008266 XP_035696678.1 52.2 249
 118 1 1 248 210 458 3.40E-65 256.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000008268 6596 600.1 UdeM00000008268 XP_045166049.1 38.7 754
 446 8 495 1239 467 1213 6.30E-168 600.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008267 6596 600.1 UdeM00000008267 XP_045166049.1 38.7 754
 446 8 508 1252 467 1213 6.30E-168 600.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008269 1735272 67.8 UdeM00000008269 XP_041349080.1 37.3
110 63 3 19 125 32 138 1.20E-08 67.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000008270 6596 503.1 UdeM00000008270 XP_045164086.1 73.2 317
85 0 1 317 1 317 2.70E-139 503.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008271 151771 321.6 UdeM00000008271 XP_028406951.1 34.8
551 310 8 1 543 119 628 1.90E-84 321.6 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000008272 45264 165.2 UdeM00000008272 XP_044184028.1 29.9 445
135 6 41 312 67 507 1.30E-37 165.2 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000008273 6596 254.6 UdeM00000008273 XP_045166815.1 47.6 275
99 9 20 269 24 278 1.40E-64 254.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008274 6596 253.4 UdeM00000008274 XP_045166832.1 50.8 248
110 4 1 246 1 238 3.00E-64 253.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008275 7668 130.2 UdeM00000008275 XP_030849476.1 30.8 276
182 4 45 313 86 359 4.80E-27 130.2 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000008276 655844 87 UdeM00000008276 XP_007826663.1 40.1
142 77 3 21 159 22 158 3.70E-14 87 655844
cellular

organisms;Eukaryota;Opisthokonta;Fungi;Dikarya;Ascomycota;saccharomyceta;Pezizomycotina;leotiomyceta;sordariomyceta;Sordariomycetes;Hypocreomycetidae;Hypocreales;Clavicipitaceae;Metarhizium;Metarhizium

robertsii;Metarhizium robertsii ARSEF 23

UdeM00000008277 6565 204.5 UdeM00000008277 XP_022300961.1 49 243
99 9 91 327 745 968 2.00E-49 204.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008278 6579 212.6 UdeM00000008278 XP_033745459.1 43.4 228
124 2 34 261 338 560 7.40E-52 212.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008280 6596 174.9 UdeM00000008280 XP_045166816.1 53.5 185
79 4 1 185 477 654 1.00E-40 174.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008281 6596 188.3 UdeM00000008281 XP_045166828.1 49.5 394
133 10 5 346 9 388 1.70E-44 188.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008282 6596 330.5 UdeM00000008282 XP_045166533.1 49.5 394
176 7 31 401 39 432 3.10E-87 330.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008283 6596 326.6 UdeM00000008283 XP_045166533.1 49.2 394
177 7 31 401 39 432 4.50E-86 326.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008284 6596 328.2 UdeM00000008284 XP_045166533.1 49.2 394
177 7 31 401 39 432 1.50E-86 328.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008286 1735272 358.6 UdeM00000008286 XP_041350032.1 49.8
414 185 2 1 408 76 472 1.00E-95 358.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008288 6596 651.7 UdeM00000008288 XP_045164517.1 65 731
239 6 5 723 4 729 1.10E-183 651.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008289 6596 685.3 UdeM00000008289 XP_045164516.1 66.5 731
236 5 5 733 20 743 8.80E-194 685.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008290 6596 202.6 UdeM00000008290 XP_045170680.1 41.7 264
 144 4 2 258 29 289 6.10E-49 202.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008291 29159 111.7 UdeM00000008291 XP_034305753.1 58.3 103
 39 2 27 128 149 248 9.60E-22 111.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008293 6596 384 UdeM00000008293 XP_045172179.1 36.2 632
 336 10 3 597 9 610 3.40E-103 384 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008294 6596 666 UdeM00000008294 XP_045164216.1 48.4 766
 312 8 1 710 1 739 5.30E-188 666 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008295 2607531 607.1 UdeM00000008295 XP_029646291.1 49.1
 627 305 6 28 650 7 623 2.70E-170 607.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008296 6565 3533.8 UdeM00000008296 XP_022299045.1 65.6
 2691 798 18 13 2581 229 2912 0.00E+00 3533.8 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008297 6565 3554.2 UdeM00000008297 XP_022299045.1 65.9
 2691 788 18 13 2580 229 2912 0.00E+00 3554.2 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008298 400727 235.7 UdeM00000008298 XP_025106444.1 69.3
 166 42 2 125 281 66 231 8.30E-59 235.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000008299 29159 183.3 UdeM00000008299 XP_019930801.2 80.7 114
 21 1 3 115 2 115 2.00E-43 183.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008300 6573 156.8 UdeM00000008300 XP_021363293.1 59.4 155
 49 1 203 343 765 919 5.10E-35 156.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008301 6596 478.4 UdeM00000008301 XP_045166345.1 61.1 594
 197 5 1 590 1 564 1.40E-131 478.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008303 6596 516.9 UdeM00000008303 XP_045164730.1 78.3 314
 68 0 1 314 1 314 1.80E-143 516.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008302 6596 932.9 UdeM00000008302 XP_045164730.1 77.7 579
 121 1 1 571 1 579 1.90E-268 932.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008305 6579 124 UdeM00000008305 XP_033735101.1 47.4 156
 68 4 4 158 2 144 3.70E-25 124 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008307 6579 365.9 UdeM00000008307 XP_033744908.1 60.9 271
 104 2 3 271 112 382 4.40E-98 365.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008306 6579 402.1 UdeM00000008306 XP_033744908.1 60.3 300
 117 2 3 300 83 382 6.10E-109 402.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008308 6596 126.7 UdeM00000008308 XP_045208367.1 62.3 106
 39 1 186 291 34 138 5.10E-26 126.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008310 6573 362.5 UdeM00000008310 XP_021371798.1 32.5 745
 450 22 29 746 34 752 1.30E-96 362.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008309 1735272 960.7 UdeM00000008309 XP_041350016.1 39.9
 1419 761 33 5 1371 6 1384 2.10E-276 960.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008311 2607531 102.8 UdeM00000008311 XP_029648741.1 25.8
 364 239 13 1 349 36 383 9.00E-19 102.8 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008312 6565 533.1 UdeM00000008312 XP_022296970.1 29.7 1338
 710 32 1 1136 61 1369 8.70E-148 533.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008313 6565 590.5 UdeM00000008313 XP_022296970.1 33.5 1342
 742 36 1 1225 61 1369 4.90E-165 590.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008314 6565 587.8 UdeM00000008314 XP_022296970.1 33.5 1348
 741 37 1 1231 61 1369 3.20E-164 587.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008315 6596 572.4 UdeM00000008315 XP_045164398.1 70.8 377
 109 1 6 382 3 378 4.30E-160 572.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008317 6596 132.9 UdeM00000008317 XP_045206702.1 24.9 587
 351 19 27 576 23 556 1.40E-27 132.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008318 6596 118.6 UdeM00000008318 XP_045211158.1 25.9 556
 343 22 10 546 7 512 2.80E-23 118.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008319 6500 639 UdeM00000008319 XP_012939634.1 55.9 687
 287 5 26 705 1610 2287 7.00E-180 639 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000008320 6579 719.2 UdeM00000008320 XP_033746880.1 51.4 700
 312 6 13 684 789 1488 5.10E-204 719.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008321 6596 2009.6 UdeM00000008321 XP_045166160.1 61.9
 1621 593 10 1 1597 1 1620 0.00E+00 2009.6 6596
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008322 6596 175.3 UdeM00000008322 XP_045165166.1 43.3 254
117 4 28 268 1 240 1.10E-40 175.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008323 6596 520.4 UdeM00000008323 XP_045166858.1 55.7 522
198 11 1 505 1 506 2.60E-144 520.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008324 6565 14463.5 UdeM00000008324 XP_022297807.1 44.4
21138 10898 250 234 20980 219 20902 0.00E+00 14463.5 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008325 225164 493.4 UdeM00000008325 XP_009050193.1 92.6
256 19 0 27 282 99 354 1.90E-136 493.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000008326 225164 661 UdeM00000008326 XP_009050193.1 91.5
354 30 0 1 354 1 354 8.60E-187 661 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000008329 6579 746.1 UdeM00000008329 XP_033746627.1 74.4 492
122 1 3 494 2 489 2.80E-212 746.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008330 6565 233.4 UdeM00000008330 XP_022288562.1 59.6 178
72 0 1 178 10 187 3.50E-58 233.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008331 6596 332.8 UdeM00000008331 XP_045165667.1 41 551
263 17 165 701 1 503 1.10E-87 332.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008332 6579 1434.1 UdeM00000008332 XP_033744661.1 84.9
894 128 3 1 889 1 892 0.00E+00 1434.1 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000008333 6596 126.3 UdeM00000008333 XP_045173865.1 57.3 110
46 1 20 129 24 132 2.90E-26 126.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008334 6596 211.8 UdeM00000008334 XP_045204796.1 28.9 540
321 12 1 507 25 534 2.00E-51 211.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008335 6596 144.1 UdeM00000008335 XP_045166558.1 44.5 164
88 2 1 163 1 162 2.80E-31 144.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008336 6596 537.3 UdeM00000008336 XP_045206084.1 34.7 963
592 21 332 1275 42 986 5.90E-149 537.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008337 29159 276.2 UdeM00000008337 XP_034317576.1 33.3 504
305 16 7 497 717 1202 1.00E-70 276.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000008338 6596 388.3 UdeM00000008338 XP_045206055.1 34.7 680
420 15 372 1039 76 743 3.20E-104 388.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008339 6596 388.3 UdeM00000008339 XP_045206055.1 34.7 680
420 15 381 1048 76 743 3.20E-104 388.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008340 29159 529.3 UdeM00000008340 XP_011412220.2 28.9 1195
732 28 193 1352 77 1188 1.60E-146 529.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000008341 72781 77.4 UdeM00000008341 XP_029669596.1 43.8 89
49 1 55 142 401 489 4.20E-11 77.4 72781 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Aculeata; Formicoidea; Formicidae; Formicinae; Formicini; Formica; Formica exsecta

UdeM00000008342 6596 319.3 UdeM00000008342 XP_045206055.1 36.8 486
 295 10 55 531 62 544 1.10E-83 319.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008343 6565 583.9 UdeM00000008343 XP_022326988.1 32.6 1095
 684 27 71 1140 44 1109 4.80E-163 583.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008344 1735272 61.2 UdeM00000008344 XP_041368209.1 51.8
 56 27 0 92 147 73 128 1.70E-06 61.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008345 6596 546.2 UdeM00000008345 XP_045164503.1 70.5 369
 107 1 1 367 1 369 3.20E-152 546.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008346 6565 153.3 UdeM00000008346 XP_022310266.1 33.7 353
 191 10 1 337 1 326 5.70E-34 153.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008348 6596 649.4 UdeM00000008348 XP_045165907.1 65.2 442
 153 1 1 442 197 637 3.30E-183 649.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008349 6596 177.9 UdeM00000008349 XP_045165907.1 71.8 110
 31 0 1 110 43 152 6.90E-42 177.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008350 6596 429.1 UdeM00000008350 XP_045164503.1 69.9 299
 88 1 28 324 4 302 5.00E-117 429.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008352 6573 166 UdeM00000008352 XP_021352044.1 66.1 115
 39 0 1 115 1 115 3.30E-38 166 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008353 6579 231.9 UdeM00000008353 XP_033731739.1 57.1 177
 76 0 1 177 202 378 6.40E-58 231.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008355 6596 318.5 UdeM00000008355 XP_045164792.1 78.7 202
43 0 1 202 1 202 6.00E-84 318.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008356 151771 144.4 UdeM00000008356 XP_028408207.1 48.9
133 67 1 2 134 280 411 1.10E-31 144.4 151771
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea
UdeM00000008359 6596 726.1 UdeM00000008359 XP_045164196.1 62.8 532
191 6 252 778 145 674 4.80E-206 726.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008360 6573 171.8 UdeM00000008360 XP_021350975.1 64.4 132
43 1 12 139 11 142 6.40E-40 171.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008361 6596 892.1 UdeM00000008361 XP_045164195.1 58.3 763
278 7 12 735 9 770 4.70E-256 892.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008363 37621 79 UdeM00000008363 XP_014672567.1 42.5 80
46 0 21 100 337 416 4.30E-12 79 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus
UdeM00000008364 29159 402.1 UdeM00000008364 XP_034330259.1 40.1 563
304 11 245 795 2 543 1.60E-108 402.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008365 6596 881.3 UdeM00000008365 XP_045164196.1 62.4 675
240 10 3 665 2 674 7.60E-253 881.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008366 6596 871.7 UdeM00000008366 XP_045164195.1 59.4 726
271 7 12 719 9 728 6.50E-250 871.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008367 6596 79.3 UdeM00000008367 XP_045164453.1 46.7 92
 48 1 27 117 699 790 6.30E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008368 6596 867.1 UdeM00000008368 XP_045164196.1 60 702
 240 11 3 692 2 674 1.50E-248 867.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008369 6596 842.8 UdeM00000008369 XP_045164195.1 57.7 726
 265 8 12 701 9 728 3.20E-241 842.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008370 6596 875.5 UdeM00000008370 XP_045164195.1 59.6 726
 269 7 12 719 9 728 4.50E-251 875.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008371 6596 77 UdeM00000008371 XP_045164453.1 45.7 92
 49 1 27 117 699 790 3.10E-11 77 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008372 6596 884.8 UdeM00000008372 XP_045164196.1 62.7 675
 238 10 3 665 2 674 6.80E-254 884.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008373 6596 918.3 UdeM00000008373 XP_045164195.1 59.1 768
 290 7 12 761 9 770 6.40E-264 918.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008374 6596 446.4 UdeM00000008374 XP_045164453.1 34 930
 507 19 52 931 1 873 8.70E-122 446.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008375 6596 451.8 UdeM00000008375 XP_045164453.1 34 930
 508 18 52 932 1 873 2.10E-123 451.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008376 32264 87 UdeM00000008376 XP_025017084.1 37.6 125
 69 4 1 117 779 902 1.70E-14 87 32264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Acariforme
 s;Trombidiformes;Prostigmata;Eleutherengona;Raphignathae;Tetranychoida;T
 etranychidae;Tetranychus;Tetranychus urticae
 UdeM00000008377 6573 678.7 UdeM00000008377 XP_021362978.1 53.5 662
 231 12 5 601 3 652 6.70E-192 678.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008378 6596 704.1 UdeM00000008378 XP_045166929.1 75.6 475
 113 3 7 480 570 1042 1.20E-199 704.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008379 6596 503.4 UdeM00000008379 XP_045166934.1 61 533
 179 14 59 578 7 523 3.70E-139 503.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008380 2607531 141.7 UdeM00000008380 XP_029642779.1 29.8
 302 198 6 134 429 103 396 2.20E-30 141.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008381 6850 100.1 UdeM00000008381 XP_013791304.1 50.5 111
 52 2 1 109 1 110 1.90E-18 100.1 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000008382 6579 752.7 UdeM00000008382 XP_033746554.1 60.6 604
 232 4 1 603 1 599 3.70E-214 752.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008383 1735272 154.1 UdeM00000008383 XP_041348313.1 64.6
 99 35 0 4 102 9 107 9.90E-35 154.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008384 310915 493.8 UdeM00000008384 XP_026778865.2 34.8
 797 447 19 7 743 6 789 4.00E-136 493.8 310915
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Pangasiidae;Pangasianodon;Pangasianodon hypophthalmus

UdeM00000008385 6596 300.1 UdeM00000008385 XP_045166710.1 54.9 304
 128 3 1 299 112 411 3.40E-78 300.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008386 1735272 593.6 UdeM00000008386 XP_041349523.1 44.9
 639 337 10 52 685 643 1271 3.70E-166 593.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008387 1735272 547.7 UdeM00000008387 XP_041349523.1 45.4
 586 307 9 2 582 694 1271 2.00E-152 547.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008389 6500 107.1 UdeM00000008389 XP_035825968.1 59.1 88
 36 0 26 113 14 101 1.70E-20 107.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000008390 29159 280.8 UdeM00000008390 XP_011450995.2 48.2 332
 159 4 17 347 91 410 2.50E-72 280.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008391 6596 372.5 UdeM00000008391 XP_045160128.1 51.9 416
 185 6 27 436 44 450 7.50E-100 372.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008392 6573 633.3 UdeM00000008392 XP_021379636.1 44.4 878
 390 16 4 805 12 867 4.30E-178 633.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008393 6596 137.1 UdeM00000008393 XP_045164307.1 28 461
 253 14 228 657 6 418 8.00E-29 137.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008394 6596 124 UdeM00000008394 XP_045164308.1 54.3 105
 48 0 14 118 4 108 1.30E-25 124 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008395 6596 70.9 UdeM00000008395 XP_045164346.1 30.4 184
 115 7 1 176 5 183 2.80E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008397 6596 138.3 UdeM00000008397 XP_045164373.1 39.4 170
98 3 1 165 4 173 1.30E-29 138.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008398 6596 135.2 UdeM00000008398 XP_045164373.1 33.7 249
142 6 1 244 4 234 1.20E-28 135.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008399 6565 109.8 UdeM00000008399 XP_022314409.1 39.5 177
89 5 1 159 1139 1315 3.30E-21 109.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008400 29159 333.6 UdeM00000008400 XP_011447608.2 53.8 327
128 4 4 313 3 323 2.90E-88 333.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008401 6596 328.9 UdeM00000008401 XP_045196337.1 33.2 950
534 20 47 922 61 983 2.00E-86 328.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008402 1735272 167.9 UdeM00000008402 XP_041350539.1 51.7
172 70 5 1 165 1 166 1.10E-38 167.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000008404 6565 250.4 UdeM00000008404 XP_022320668.1 70 160
48 0 1 160 527 686 1.60E-63 250.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008405 6596 111.3 UdeM00000008405 XP_045180427.1 37.8 180
103 2 12 186 98 273 1.40E-21 111.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008407 6596 841.3 UdeM00000008407 XP_045164383.1 59.4 757
287 8 6 743 110 865 1.00E-240 841.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008408 6573 291.2 UdeM00000008408 XP_021343207.1 50.2 265
 132 0 46 310 7 271 1.60E-75 291.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008409 6573 1186 UdeM00000008409 XP_021343209.1 49 1834
 739 33 1 1733 1 1739 0.00E+00 1186 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008410 6573 1187.6 UdeM00000008410 XP_021343209.1 49
 1840 732 34 1 1734 1 1739 0.00E+00 1187.6 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008411 6596 411.8 UdeM00000008411 XP_045165313.1 75 300
 51 7 620 915 1437 1716 2.30E-111 411.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008412 6596 945.3 UdeM00000008412 XP_045165105.1 65.4 693
 230 5 6 697 9 692 4.50E-272 945.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008413 6596 956.4 UdeM00000008413 XP_045164703.1 66.7 696
 144 7 1 624 1 680 1.70E-275 956.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008414 1735272 89 UdeM00000008414 XP_041349566.1 56.1
 82 36 0 17 98 5 86 4.00E-15 89 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008415 45264 67.4 UdeM00000008415 XP_044167811.1 51.3 76
 34 1 115 190 16 88 2.40E-08 67.4 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000008416 1735272 90.1 UdeM00000008416 XP_041349566.1 58.1
 74 31 0 28 101 15 88 2.10E-15 90.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008417 6579 232.6 UdeM00000008417 XP_033744551.1 48.5 229
 81 2 2 197 125 349 5.40E-58 232.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000008418 6573 132.9 UdeM00000008418 XP_021347047.1 30.4 309
202 6 5 309 23 322 7.10E-28 132.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008419 6573 172.9 UdeM00000008419 XP_021376519.1 37.7 239
148 1 42 280 40 277 5.60E-40 172.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008420 1735272 169.9 UdeM00000008420 XP_041348482.1 42.4
203 114 1 21 220 12 214 4.70E-39 169.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008421 29159 1181.4 UdeM00000008421 XP_034307026.1 69.4
834 200 4 1 832 1 781 0.00E+00 1181.4
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008422 1735272 327.8 UdeM00000008422 XP_041349886.1 71.8
241 66 1 2 240 3 243 1.20E-86 327.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008423 6596 502.7 UdeM00000008423 XP_045164880.1 55.2 449
195 3 1 445 1 447 6.00E-139 502.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008424 7574 77.8 UdeM00000008424 XP_013401704.1 30 273
142 9 1 260 1 237 2.30E-11 77.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000008425 45264 481.1 UdeM00000008425 XP_044165143.1 54.9 443
193 4 42 481 35 473 1.70E-132 481.1 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora
UdeM00000008427 1735272 542.3 UdeM00000008427 XP_041350160.1 46.8
632 285 8 47 655 58 661 8.30E-151 542.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008428 1735272 542 UdeM00000008428 XP_041350160.1 46.8
632 285 8 6 614 58 661 1.00E-150 542 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008429 6565 522.3 UdeM00000008429 XP_022296760.1 69.8 358
108 0 1 358 47 404 4.80E-145 522.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008430 6565 129.8 UdeM00000008430 XP_022302274.1 41.8 177
80 2 84 238 127 302 4.60E-27 129.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008431 6596 436 UdeM00000008431 XP_045165307.1 69.5 384
107 4 6 383 34 413 4.80E-119 436 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008432 6596 218.4 UdeM00000008432 XP_045164462.1 65.4 159
55 0 2 160 66 224 6.80E-54 218.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008434 6596 396 UdeM00000008434 XP_045167015.1 45.4 425
226 2 74 498 63 481 7.40E-107 396 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008435 6596 1402.1 UdeM00000008435 XP_045164915.1 49.8
1409 639 20 3 1361 225 1614 0.00E+00 1402.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008437 1735272 170.2 UdeM00000008437 XP_041361004.1 45.1
182 99 1 3 184 22 202 2.60E-39 170.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008436 72036 174.1 UdeM00000008436 XP_040576246.1 41.5 205
116 3 2 203 237 440 1.90E-40 174.1 72036 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
ticrustacea;Hexanauplia;Copepoda;Neocopepoda;Podoplea;Siphonostomatoida;C
aligidae;Lepeophtheirus;Lepeophtheirus salmonis
UdeM00000008438 72036 144.4 UdeM00000008438 XP_040576246.1 43 179
96 3 1 177 1 175 1.40E-31 144.4 72036 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Hexanauplia; Copepoda; Neocopepoda; Podoplea; Siphonostomatoida; Caligidae; Lepeophtheirus; Lepeophtheirus salmonis

UdeM00000008440 29159 111.7 UdeM00000008440 XP_034338151.1 60 85
33 1 2 86 268 351 6.20E-22 111.7 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000008441 6573 73.9 UdeM00000008441 XP_021369719.1 55.7 70
29 1 1 68 299 368 1.00E-10 73.9 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000008442 6596 1097.4 UdeM00000008442 XP_045166970.1 53.1
1178 461 19 83 1185 48 1208 0.00E+00 1097.4 6596

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008443 6573 345.5 UdeM00000008443 XP_021361146.1 42.6 406
224 6 9 411 7 406 9.20E-92 345.5 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000008444 6596 223.4 UdeM00000008444 XP_045167245.1 26.5 722
253 7 18 467 151 866 6.10E-55 223.4 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008445 6596 142.1 UdeM00000008445 XP_045166458.1 52.2 136
64 1 30 164 27 162 7.40E-31 142.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008446 6596 394.8 UdeM00000008446 XP_045166458.1 32.3 882
315 15 1 608 2 875 2.00E-106 394.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000008447 6573 1591.2 UdeM00000008447 XP_021376481.1 59
1698 580 22 2 1596 4 1687 0.00E+00 1591.2 6573

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000008448 6596 2424.8 UdeM00000008448 XP_045164065.1 49.9
2331 1125 8 384 2690 283 2595 0.00E+00 2424.8 6596

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008449 6596 263.5 UdeM00000008449 XP_045208517.1 39.5 382
 213 7 59 434 13 382 4.90E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008450 6526 151.8 UdeM00000008450 XP_013068581.1 65.8 117
 39 1 1 117 1 116 5.60E-34 151.8 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000008451 6596 499.6 UdeM00000008451 XP_045184723.1 70.8 346
 98 1 1 343 1 346 3.30E-138 499.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008452 6596 981.5 UdeM00000008452 XP_045165412.1 33.3 2048
 1072 38 1 1774 1 2028 1.40E-282 981.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008453 6579 445.7 UdeM00000008453 XP_033746068.1 51.7 458
 203 8 13 464 42 487 7.70E-122 445.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008454 6596 114.8 UdeM00000008454 XP_045165412.1 37 162
 97 3 266 425 2329 2487 2.80E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008455 6573 81.3 UdeM00000008455 XP_021365136.1 50.6 85
 41 1 1 85 1 84 3.20E-12 81.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008457 6596 129.8 UdeM00000008457 XP_045164786.1 47.3 283
 130 6 88 366 80 347 7.20E-27 129.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008459 6579 703 UdeM00000008459 XP_033728194.1 51.1 693
 326 5 1 684 282 970 3.80E-199 703 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008460 6596 209.1 UdeM00000008460 XP_045164486.1 45.3 254
 121 4 1 246 1 244 6.30E-51 209.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008461 6596 203.8 UdeM00000008461 XP_045164486.1 46.1 230
 107 3 29 251 25 244 2.70E-49 203.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008462 6596 153.3 UdeM00000008462 XP_045165278.1 48.7 191
 78 4 1 189 6 178 3.20E-34 153.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008463 202533 189.5 UdeM00000008463 XP_035226955.1 63.8
 188 56 6 10 187 4 189 4.10E-45 189.5 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000008464 1735272 164.9 UdeM00000008464 XP_041349873.1 37.6
 210 120 3 27 235 27 226 1.40E-37 164.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008465 48701 62.4 UdeM00000008465 XP_014826553.1 31.7 120
 80 2 32 150 39 157 1.80E-06 62.4 48701 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Poecilia;Poecili
 a mexicana
 UdeM00000008469 6565 62.8 UdeM00000008469 XP_022298268.1 41.7 84
 39 2 1 84 1 74 2.50E-07 62.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008470 6596 256.9 UdeM00000008470 XP_045165477.1 81.4 140
 25 1 74 212 63 202 6.10E-65 256.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008471 6596 1144 UdeM00000008471 XP_045165435.1 52.7 1299
 487 25 26 1287 22 1230 0.00E+00 1144 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008472 6579 886.3 UdeM00000008472 XP_033746045.1 52.5 917
 288 10 36 814 382 1288 2.90E-254 886.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008473 6596 528.9 UdeM00000008473 XP_045166542.1 71.7 371
 96 4 1 366 1 367 5.20E-147 528.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008474 6596 276.9 UdeM00000008474 XP_045166542.1 64.1 223
 72 3 1 219 149 367 2.20E-71 276.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008475 6596 954.9 UdeM00000008475 XP_045164299.1 67.5 723
 210 4 106 804 359 1080 6.50E-275 954.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008476 6596 256.1 UdeM00000008476 XP_045160232.1 64.2 190
 65 1 17 206 35 221 4.30E-65 256.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008477 6596 1675.6 UdeM00000008477 XP_045157681.1 52.3
 1777 406 12 25 1786 26 1376 0.00E+00 1675.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008478 6596 198 UdeM00000008478 XP_045157681.1 58.2 158
 66 0 3 160 1219 1376 9.30E-48 198 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008480 2607531 78.6 UdeM00000008480 XP_036354520.1 24.8
 290 187 10 2 283 21 287 1.50E-11 78.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000008481 6565 89.4 UdeM00000008481 XP_022301923.1 70 50
 15 0 15 64 65 114 3.10E-15 89.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008482 6596 276.6 UdeM00000008482 XP_045212653.1 30.9 709
428 19 13 675 11 703 8.80E-71 276.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008483 10224 65.9 UdeM00000008483 XP_006820641.1 37 92
56 1 19 110 51 140 5.70E-08 65.9 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000008484 6596 129.4 UdeM00000008484 XP_045168924.1 62.8 86
30 1 78 163 28 111 4.20E-27 129.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008485 6565 99 UdeM00000008485 XP_022314409.1 37.9 169
87 5 1 151 1147 1315 5.60E-18 99 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008486 6596 274.2 UdeM00000008486 XP_045212653.1 30.9 706
433 17 13 676 11 703 4.40E-70 274.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008488 7962 126.7 UdeM00000008488 XP_042610821.1 55.9 93
40 1 12 103 130 222 1.70E-26 126.7 7962 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
idei;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio
UdeM00000008489 7739 103.6 UdeM00000008489 XP_035671401.1 51.7 89
41 2 23 109 96 184 2.50E-19 103.6 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000008490 133434 116.7 UdeM00000008490 XP_022088644.1 42
143 82 1 18 159 269 411 2.80E-23 116.7 133434
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
anthasteridae;Acanthaster;Acanthaster planci
UdeM00000008491 7962 111.3 UdeM00000008491 XP_042613350.1 53.8 93
40 1 20 112 40 129 1.20E-21 111.3 7962 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce

phala;Otomorpha;Ostariophysii;Otophysii;Cypriniphysae;Cypriniiformes;Cyprinoidei;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio
UdeM00000008492 46514 136 UdeM00000008492 XP_038066487.1 46.9 145
68 3 16 159 1263 1399 5.60E-29 136 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000008493 29159 111.3 UdeM00000008493 XP_011437363.1 74.3 74
19 0 1 74 1 74 5.30E-22 111.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008494 6596 552 UdeM00000008494 XP_045157687.1 88.2 306
36 0 1 306 1 306 4.80E-154 552 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008495 1735272 339.3 UdeM00000008495 XP_041359871.1 56.5
301 95 3 1 269 1 297 4.30E-90 339.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008496 6573 559.7 UdeM00000008496 XP_021365923.1 68.3 398
124 1 1 396 1 398 3.00E-156 559.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008497 6596 1283.5 UdeM00000008497 XP_045160894.1 62.8
1272 316 24 52 1284 613 1766 0.00E+00 1283.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008498 1735272 130.6 UdeM00000008498 XP_041358269.1 55.6
144 51 6 22 157 23 161 2.10E-27 130.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000008499 6596 153.7 UdeM00000008499 XP_045160894.1 47.8 203
85 5 212 396 231 430 5.00E-34 153.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000008500 6596 373.2 UdeM00000008500 XP_045159568.1 50.4 387
171 6 1 380 57 429 4.40E-100 373.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000008501 1735272 113.2 UdeM00000008501 XP_041350959.1 54.9
 102 46 0 1 102 7 108 4.50E-22 113.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000008503 6596 258.1 UdeM00000008503 XP_045159474.1 61.4 220
 80 4 8 222 7 226 1.10E-65 258.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008504 6565 458.8 UdeM00000008504 XP_022312460.1 71.7 293
 80 1 12 304 6 295 5.60E-126 458.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008506 6579 388.7 UdeM00000008506 XP_033736716.1 62.2 288
 109 0 2 289 125 412 6.70E-105 388.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008505 6579 506.1 UdeM00000008505 XP_033736716.1 57.5 412
 175 0 1 412 1 412 4.10E-140 506.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008507 6596 400.2 UdeM00000008507 XP_045188815.1 50.9 397
 189 1 16 406 42 438 3.10E-108 400.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008508 6579 194.1 UdeM00000008508 XP_033729790.1 44.9 214
 118 0 10 223 17 230 2.20E-46 194.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008509 2652724 175.6 UdeM00000008509 XP_020913146.1 49.5
 194 97 1 167 360 177 369 1.40E-40 175.6 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000008511 6573 116.7 UdeM00000008511 XP_021345390.1 35.5 217
 124 6 9 214 14 225 3.60E-23 116.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008513 6596 443.4 UdeM00000008513 XP_045160515.1 73.5 283
 75 0 1 283 1 283 2.30E-121 443.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000008514 6579 1175.2 UdeM00000008514 XP_033739058.1 52.5
 1553 579 19 6 1441 30 1540 0.00E+00 1175.2 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043306 6579 126.7 UdeM00000043306 XP_033741736.1 52.9 119
 54 1 1 117 723 841 2.10E-26 126.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043307 6579 327.8 UdeM00000043307 XP_033724553.1 33.9 531
 338 8 149 671 23 548 3.30E-86 327.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043308 6579 335.1 UdeM00000043308 XP_033724553.1 33.9 531
 340 7 149 673 23 548 2.00E-88 335.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043309 6573 1168.3 UdeM00000043309 XP_021353290.1 28.5
 2692 1707 58 4 2568 55 2655 0.00E+00 1168.3 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043310 6573 1895.9 UdeM00000043310 XP_021353372.1 43.2
 2358 1158 37 962 3169 61 2386 0.00E+00 1895.9 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000043311 6565 217.6 UdeM00000043311 XP_022287659.1 40.3 273
 160 3 11 283 8 277 2.10E-53 217.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000043316 6565 206.1 UdeM00000043316 XP_022297447.1 59 166
 67 1 61 226 202 366 4.80E-50 206.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000044435 37621 141.4 UdeM00000044435 XP_014679100.1 37.2 234
 133 7 614 842 78 302 5.40E-30 141.4 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000014620 6573 90.9 UdeM00000014620 XP_021366565.1 41.1 112
 62 2 52 159 57 168 1.70E-15 90.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000014621 225164 65.5 UdeM00000014621 XP_009053799.1 46.3
 54 28 1 3 55 170 223 3.10E-08 65.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000014622 6596 270.8 UdeM00000014622 XP_045212307.1 28.8 695
 432 17 109 763 84 755 5.40E-69 270.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014623 6596 260 UdeM00000014623 XP_045212307.1 29.6 788
 473 24 30 777 11 756 9.70E-66 260 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014624 6596 249.6 UdeM00000014624 XP_045212307.1 26.8 787
 499 21 30 780 11 756 1.30E-62 249.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014626 6596 231.1 UdeM00000014626 XP_045189535.1 35.5 386
 244 2 13 397 19 400 2.60E-57 231.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014627 29159 441.8 UdeM00000014627 XP_019926413.2 69.6 326
 91 4 1 326 292 609 8.50E-121 441.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014628 6500 81.6 UdeM00000014628 XP_005091763.2 38.9 113
 66 1 1 113 83 192 6.90E-13 81.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000014629 1735272 221.5 UdeM00000014629 XP_041347065.1 51.5
 229 108 3 28 253 59 287 1.30E-54 221.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014630 6596 235 UdeM00000014630 XP_045208944.1 32.5 517
 313 10 1 505 42 534 3.10E-58 235 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014631 6596 660.6 UdeM00000014631 XP_045159589.1 49.3 739
 326 19 55 764 87 805 2.50E-186 660.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014632 6596 661.4 UdeM00000014632 XP_045159589.1 45.4 821
376 20 132 902 69 867 1.70E-186 661.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014634 6596 674.9 UdeM00000014634 XP_045159589.1 49.1 746
331 18 50 766 87 812 1.30E-190 674.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014635 6596 670.6 UdeM00000014635 XP_045159589.1 48.9 746
332 18 92 808 87 812 2.60E-189 670.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014636 6706 154.8 UdeM00000014636 XP_042235765.1 45.2 157
86 0 1 157 1 157 9.00E-35 154.8 6706 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Astacidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus

UdeM00000014637 6596 657.9 UdeM00000014637 XP_045159589.1 48.1 736
337 15 40 748 86 803 1.60E-185 657.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014638 6596 643.7 UdeM00000014638 XP_045159589.1 50.4 678
299 14 53 710 87 747 2.80E-181 643.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014639 6596 607.8 UdeM00000014639 XP_045159589.1 46.1 722
339 15 3 695 84 784 1.80E-170 607.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014640 6565 192.6 UdeM00000014640 XP_022333704.1 63.4 142
52 0 63 204 16 157 5.10E-46 192.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000014641 6596 375.6 UdeM00000014641 XP_045173464.1 39.4 531
280 11 7 526 11 510 1.10E-100 375.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014642 6596 218.4 UdeM00000014642 XP_045173464.1 36.7 390
204 12 1 382 156 510 1.60E-53 218.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014643 6596 162.5 UdeM00000014643 XP_045173464.1 52.1 144
67 2 7 148 11 154 4.00E-37 162.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014644 6596 246.1 UdeM00000014644 XP_045209519.1 65.1 195
66 2 126 318 1274 1468 5.90E-62 246.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014645 6596 281.6 UdeM00000014645 XP_045209519.1 44.8 1032
383 32 191 1148 296 1214 4.60E-72 281.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014646 29159 122.1 UdeM00000014646 XP_019918668.1 46.8 139
69 3 4 137 1 139 6.20E-25 122.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000014656 6579 438 UdeM00000014656 XP_033758830.1 69 300
93 0 1 300 1 300 1.10E-119 438 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000014660 6596 177.6 UdeM00000014660 XP_045209091.1 53.1 179
69 5 2 168 771 946 1.40E-41 177.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014659 6596 664.8 UdeM00000014659 XP_045209091.1 50.7 732
224 15 1 602 222 946 1.00E-187 664.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000014661 6596 270 UdeM00000014661 XP_045209091.1 73.7 175
43 2 1 174 222 394 2.20E-69 270 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014663 6596 475.3 UdeM00000014663 XP_045208121.1 65.7 437
 85 4 3 439 2 373 8.50E-131 475.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014664 1735272 191.4 UdeM00000014664 XP_041373734.1 62.3
 547 188 9 1 534 1 542 2.90E-45 191.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014665 1735272 961.4 UdeM00000014665 XP_041373563.1 62.6
 922 313 4 3 913 8 908 8.50E-277 961.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000014667 6565 342 UdeM00000014667 XP_022337291.1 32.5 867
 508 28 4 821 8 846 2.30E-90 342 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014671 6596 739.6 UdeM00000014671 XP_045208797.1 53.8 767
 308 9 5 764 3 730 4.10E-210 739.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014672 6596 518.8 UdeM00000014672 XP_045209196.1 55.8 500
 187 14 1 479 47 533 7.10E-144 518.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000014673 6565 131.7 UdeM00000014673 XP_022337267.1 60.2 118
 35 2 55 160 449 566 8.60E-28 131.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000014674 2607531 366.7 UdeM00000014674 XP_036359065.1 54.8
 361 133 12 48 388 63 413 3.70E-98 366.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000014675 2607531 333.2 UdeM00000014675 XP_036359065.1 51
 355 134 11 34 357 68 413 4.10E-88 333.2 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000014676 225164 606.7 UdeM00000014676 XP_009055369.1 63.7
 502 180 1 1 500 1 502 2.90E-170 606.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000014677 2607531 273.5 UdeM00000014677 XP_036359063.1 43.1
 383 151 14 22 346 68 441 3.80E-70 273.5 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000014678 29159 68.6 UdeM00000014678 XP_034307341.1 38.2 89
 54 1 3 91 5 92 7.00E-09 68.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014679 37653 494.2 UdeM00000014679 XP_014784609.1 58.6 423
 137 7 1 385 1 423 1.50E-136 494.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000014680 29159 72.4 UdeM00000014680 XP_034307341.1 28.9 135
 54 1 11 103 211 345 6.30E-10 72.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000014681 37653 482.6 UdeM00000014681 XP_014784609.1 57.4 423
 141 7 1 384 1 423 4.60E-133 482.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000014683 6945 87 UdeM00000014683 XP_040065097.1 31.2 170
 91 4 59 202 85 254 4.50E-14 87 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000014684 6945 87 UdeM00000014684 XP_040065097.1 31.2 170
 91 4 59 202 85 254 4.50E-14 87 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000043829 6596 185.7 UdeM00000043829 XP_045161332.1 48.1 214
 108 2 64 277 133 343 8.60E-44 185.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043830 6596 191.8 UdeM00000043830 XP_045161332.1 55.9 177
 77 1 101 277 168 343 1.20E-45 191.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000043831 6596 188 UdeM00000043831 XP_045161332.1 49.5 214
 105 2 64 277 133 343 1.70E-44 188 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043832 29159 267.7 UdeM00000043832 XP_034317111.1 61.3 212
 82 0 2 213 171 382 1.40E-68 267.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000043833 6596 337.8 UdeM00000043833 XP_045174832.1 47.8 358
 173 5 74 427 187 534 2.00E-89 337.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043834 6596 263.5 UdeM00000043834 XP_045170884.1 55.6 259
 111 3 5 262 3 258 3.00E-67 263.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043835 7739 108.6 UdeM00000043835 XP_035678840.1 39.6 149
 86 3 8 155 357 502 7.80E-21 108.6 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000043836 6579 444.5 UdeM00000043836 XP_033736287.1 63.6 335
 122 0 1 335 1 335 1.20E-121 444.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000043837 6596 125.6 UdeM00000043837 XP_045170325.1 80.3 76
 15 0 8 83 22 97 3.10E-26 125.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043838 6500 684.5 UdeM00000043838 XP_035829329.1 85.6 388
 56 0 27 414 96 483 8.70E-194 684.5 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000038618 225164 2295.8 UdeM00000038618 XP_009066786.1
 42.1 2816 1554 31 4 2793 4515 7280 0.00E+00 2295.8
 225164 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000034326 6596 979.5 UdeM00000034326 XP_045207645.1 38.2 1395
 763 28 230 1541 85 1463 5.60E-282 979.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034327 6596 453.8 UdeM00000034327 XP_045168541.1 46.6 586
 292 14 1 574 1 577 5.30E-124 453.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034328 6596 453.8 UdeM00000034328 XP_045168541.1 46.6 586
 292 14 1 574 1 577 4.30E-124 453.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034329 6573 92.4 UdeM00000034329 XP_021370232.1 37 154
 65 2 7 158 71 194 5.60E-16 92.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034331 6596 248.8 UdeM00000034331 XP_045170510.1 66 200
 64 4 1 199 1 197 5.90E-63 248.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034333 6596 132.1 UdeM00000034333 XP_045161583.1 58 100
 41 1 4 102 23 122 4.70E-28 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034334 6596 121.7 UdeM00000034334 XP_045169800.1 58 88
 37 0 7 94 43 130 5.00E-25 121.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034335 6596 146.7 UdeM00000034335 XP_045169800.1 58 112
 44 2 27 137 21 130 2.10E-32 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034336 7574 117.9 UdeM00000034336 XP_013401629.1 50 114
 40 5 38 139 31 139 1.10E-23 117.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000034337 6596 112.1 UdeM00000034337 XP_045169800.1 43 135
 57 5 1 123 3 129 5.20E-22 112.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034338 6596 112.5 UdeM00000034338 XP_045169800.1 43.1 137
 60 5 1 129 3 129 4.20E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034340 1735272 213 UdeM00000034340 XP_041367509.1 79.2
 125 26 0 130 254 1 125 6.00E-52 213 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000034341 6596 271.9 UdeM00000034341 XP_045201290.1 81.3 155
 29 0 1 155 1 155 4.90E-70 271.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034342 45351 172.2 UdeM00000034342 XP_032231756.1 40.8 260
 135 8 53 303 108 357 1.60E-39 172.2 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000034343 29159 67.4 UdeM00000034343 XP_034302502.1 50.7 69
 29 1 62 130 453 516 1.60E-08 67.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034346 6596 127.1 UdeM00000034346 XP_045168689.1 27.2 382
 251 9 370 734 19 390 1.80E-25 127.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034347 6596 109 UdeM00000034347 XP_045168689.1 32.1 274
 161 7 33 290 14 278 2.00E-20 109 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034348 6596 154.1 UdeM00000034348 XP_045168688.1 27.6 417
 268 8 13 408 18 421 3.90E-34 154.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034349 6596 149.8 UdeM00000034349 XP_045168688.1 29.6 388
 239 10 40 407 48 421 7.40E-33 149.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034350 6596 143.3 UdeM00000034350 XP_045168689.1 27.8 413
 259 10 16 405 23 419 6.90E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034354 225164 375.9 UdeM00000034354 XP_009052112.1 85.9
205 29 0 1 205 1 205 3.20E-101 375.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000034355 6579 393.3 UdeM00000034355 XP_033762842.1 70.6 286
78 3 1 282 124 407 2.70E-106 393.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034357 6596 348.2 UdeM00000034357 XP_045170529.1 58.5 311
111 6 1 297 20 326 3.70E-92 348.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034358 110193 79 UdeM00000034358 XP_017777214.1 40.2
102 60 1 10 111 11 111 4.80E-12 79 110193
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Staphyliniformia;Staphylinioidea;Silphidae;Nicrophorinae;Nicrophorus;Nicrophorus vespilloides

UdeM00000034359 6596 339.7 UdeM00000034359 XP_045168080.1 59 295
117 3 37 329 1 293 7.20E-90 339.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034361 6596 375.9 UdeM00000034361 XP_045169983.1 55.7 357
140 7 3 353 6 350 8.30E-101 375.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034363 6596 327.8 UdeM00000034363 XP_045206316.1 51.4 329
157 2 26 353 123 449 2.40E-86 327.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034364 6573 1318.5 UdeM00000034364 XP_021358991.1 35.8
2920 1423 56 1 2615 3 2776 0.00E+00 1318.5 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034365 6596 887.1 UdeM00000034365 XP_045168412.1 56.9 778
324 5 15 789 12 781 1.60E-254 887.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034366 6573 153.7 UdeM00000034366 XP_021377794.1 38.8 260
144 7 19 269 37 290 3.90E-34 153.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034371 36176 417.9 UdeM00000034371 XP_043561655.1 56.9 355
153 0 8 362 5 359 1.30E-113 417.9 36176 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Hemiscylliidae;Chiloscyllium;Chiloscyllium plagiosum

UdeM00000034372 6596 134.8 UdeM00000034372 XP_045176140.1 52.2 136
64 1 11 145 6 141 1.00E-28 134.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034373 29159 147.5 UdeM00000034373 XP_034304235.1 53.3 150
67 3 7 154 4 152 1.50E-32 147.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034374 6596 1345.5 UdeM00000034374 XP_045167979.1 59.9
1253 390 16 5 1176 2 1223 0.00E+00 1345.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034375 6579 374 UdeM00000034375 XP_033761942.1 83.7 215
34 1 1 215 1 214 2.90E-100 374 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034376 6596 283.5 UdeM00000034376 XP_045168038.1 49.3 280
131 5 21 291 15 292 3.10E-73 283.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034377 6596 280.8 UdeM00000034377 XP_045168038.1 50.6 267
121 5 4 261 28 292 1.80E-72 280.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038872 29159 446.4 UdeM00000038872 XP_034322046.1 39.2 640
251 11 3 525 58 676 4.90E-122 446.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000038873 6565 102.1 UdeM00000038873 XP_022312780.1 62.2 74
28 0 1 74 5 78 3.40E-19 102.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000038874 6500 74.7 UdeM00000038874 XP_012943737.1 72.9 48
13 0 27 74 137 184 5.60E-11 74.7 6500 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Tec
tipleura; Aplysiida; Aplysiidae; Aplysia; Aplysia californica
UdeM00000038875 37621 68.6 UdeM00000038875 XP_014678940.1 43.7 71
40 0 4 74 6 76 4.40E-09 68.6 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapul
idae; Priapulid; Priapulid caudatus
UdeM00000038876 6573 501.1 UdeM00000038876 XP_021355349.1 60.8 395
154 1 5 399 5 398 1.30E-138 501.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000038877 6596 83.6 UdeM00000038877 XP_045206770.1 38.7 142
82 3 136 274 134 273 4.40E-13 83.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000038878 6565 72 UdeM00000038878 XP_022308983.1 31.3 201
121 9 3 190 26 222 9.10E-10 72 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000038879 6565 70.1 UdeM00000038879 XP_022308983.1 29.5 210
128 9 18 214 20 222 3.90E-09 70.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000038881 6579 583.6 UdeM00000038881 XP_033740954.1 71 500
108 8 31 497 26 521 2.40E-163 583.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000038882 6579 513.1 UdeM00000038882 XP_033740950.1 81.6 294
54 0 68 361 299 592 2.90E-142 513.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000038883 6565 96.7 UdeM00000038883 XP_022336942.1 27.5 280
166 11 1 273 9 258 5.00E-17 96.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000038884 7741 263.5 UdeM00000038884 XP_019622111.1 48.2 280
 124 3 5 265 1 278 3.00E-67 263.5 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000038885 6596 105.1 UdeM00000038885 XP_045206250.1 35.7 168
 95 5 7 173 539 694 1.10E-19 105.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038886 6565 157.9 UdeM00000038886 XP_022287605.1 36.8 242
 130 7 5 242 102 324 1.70E-35 157.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038888 6573 146.4 UdeM00000038888 XP_021341280.1 44.4 153
 83 1 117 269 1 151 6.70E-32 146.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038889 6565 84.7 UdeM00000038889 XP_022338472.1 55.1 69
 31 0 27 95 116 184 1.50E-13 84.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038890 7574 89.7 UdeM00000038890 XP_013401798.1 38.8 116
 68 1 165 277 50 165 6.20E-15 89.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000038891 6596 92 UdeM00000038891 XP_045211430.1 31.2 218
 128 7 59 263 45 253 1.20E-15 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038892 6573 84.7 UdeM00000038892 XP_021347599.1 35.6 118
 76 0 136 253 72 189 1.80E-13 84.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038894 6596 92 UdeM00000038894 XP_045177345.1 28.5 256
 164 6 28 275 80 324 1.30E-15 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038895 6596 89 UdeM00000038895 XP_045177394.1 30.5 187
 124 3 21 202 112 297 7.90E-15 89 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000038896 7739 110.9 UdeM00000038896 XP_035658037.1 54.9 102
 40 1 1 96 419 520 1.50E-21 110.9 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000038897 6596 90.5 UdeM00000038897 XP_045177394.1 28 271
 157 9 34 275 36 297 3.70E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038898 6579 89.4 UdeM00000038898 XP_033725748.1 36.8 155
 84 5 132 273 187 340 8.20E-15 89.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038899 6596 80.5 UdeM00000038899 XP_045184492.1 33.6 125
 80 2 166 288 77 200 3.90E-12 80.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038900 6596 62.4 UdeM00000038900 XP_045174446.1 32 122
 78 2 6 122 14 135 4.70E-07 62.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038902 6565 219.5 UdeM00000038902 XP_022320668.1 31 565
 195 12 37 425 140 685 8.70E-54 219.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000038903 6579 92.8 UdeM00000038903 XP_033729305.1 34.6 156
 91 6 120 269 62 212 7.20E-16 92.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038904 6579 92.8 UdeM00000038904 XP_033729305.1 34.6 156
 91 6 119 268 62 212 7.20E-16 92.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038905 6596 86.3 UdeM00000038905 XP_045194692.1 28.3 219
 138 5 62 274 27 232 6.90E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000038906 6596 299.7 UdeM00000038906 XP_045198720.1 40.5 412
 206 8 43 449 23 400 1.30E-77 299.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038908 1735272 643.3 UdeM00000038908 XP_041354859.1 61.8
521 198 1 5 525 2 521 2.70E-181 643.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038909 6596 470.3 UdeM00000038909 XP_045198720.1 30.9 1174
519 34 43 1104 23 1016 7.30E-129 470.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038910 6579 1122.8 UdeM00000038910 XP_033740657.1 60.7
957 326 13 1 914 28 977 0.00E+00 1122.8 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038911 6579 220.3 UdeM00000038911 XP_033740656.1 33.2 488
104 8 44 309 478 965 3.60E-54 220.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000038912 6500 251.9 UdeM00000038912 XP_012944847.2 48.6 457
225 2 175 631 179 625 3.40E-62 251.9 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000038913 6596 271.9 UdeM00000038913 XP_045196317.1 36.9 604
310 17 1 584 1 553 1.90E-69 271.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000038914 1735272 287.3 UdeM00000038914 XP_041354455.1 35.3
419 271 0 2 420 17 435 3.10E-74 287.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000038915 6573 204.9 UdeM00000038915 XP_021349248.1 41.2 345
169 10 1 329 1 327 1.60E-49 204.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000038917 400727 239.2 UdeM00000038917 XP_025083272.1 53.8
212 86 3 8 210 53 261 4.80E-60 239.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000038919 6573 159.8 UdeM00000038919 XP_021354542.1 57.4 129
 49 2 1 129 51 173 2.40E-36 159.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038920 6573 213.4 UdeM00000038920 XP_021354542.1 58.5 164
 62 2 1 164 51 208 2.20E-52 213.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038921 1735272 83.6 UdeM00000038921 XP_041352499.1 37.3
 204 112 6 11 213 11 199 3.50E-13 83.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000043721 6596 726.5 UdeM00000043721 XP_045215347.1 50 1133
 454 21 15 1128 1269 2308 5.30E-206 726.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043722 6596 1079.3 UdeM00000043722 XP_045215347.1 38.4
 2417 966 45 5 2059 52 2308 0.00E+00 1079.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043723 6596 1072 UdeM00000043723 XP_045215347.1 38.3 2414
 953 44 5 2038 52 2308 9.2e-310 1072 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043724 6596 85.1 UdeM00000043724 XP_045215347.1 62.3 61
 23 0 137 197 1 61 1.10E-13 85.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043725 6596 755.7 UdeM00000043725 XP_045215344.1 49.1 797
 342 11 1 764 1 766 5.50E-215 755.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043726 10224 293.9 UdeM00000043726 XP_002737779.1 58.7 225
 93 0 1 225 371 595 1.80E-76 293.9 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000043727 6565 104.8 UdeM00000043727 XP_022286598.1 35.3 249
 137 8 16 261 78 305 1.70E-19 104.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043728 6596 729.6 UdeM00000043728 XP_045215344.1 50.1 736
315 9 82 794 60 766 4.40E-207 729.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043729 6596 528.5 UdeM00000043729 XP_045156501.1 48.8 520
258 4 15 531 13 527 9.90E-147 528.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043730 6596 520.8 UdeM00000043730 XP_045156501.1 48.8 504
252 3 9 511 29 527 2.00E-144 520.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043731 6565 191 UdeM00000043731 XP_022329081.1 44.7 199
106 3 2 199 44 239 1.50E-45 191 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043732 6565 126.7 UdeM00000043732 XP_022329081.1 48.7 117
58 2 2 117 44 159 1.90E-26 126.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000043733 6573 882.5 UdeM00000043733 XP_021377155.1 64.5 648
228 2 1 648 1 646 3.30E-253 882.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000043734 6573 734.6 UdeM00000043734 XP_021377155.1 59.1 614
212 3 1 577 35 646 9.90E-209 734.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000043735 6573 881.3 UdeM00000043735 XP_021377155.1 64.9 647
225 2 1 647 1 645 7.40E-253 881.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000025582 6565 103.2 UdeM00000025582 XP_022297447.1 54.8 84
38 0 229 312 156 239 8.00E-19 103.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025583 6596 138.7 UdeM00000025583 XP_045182313.1 40.8 213
102 7 19 217 574 776 9.10E-30 138.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025586 6596 375.6 UdeM00000025586 XP_045182316.1 31.1 1028
392 24 1 976 392 1155 2.00E-100 375.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025587 6596 134 UdeM00000025587 XP_045181000.1 70.5 88
26 0 48 135 867 954 1.40E-28 134 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025590 1437191 226.9 UdeM00000025590 XP_029054816.1 48
252 131 0 1 252 1 252 3.00E-56 226.9 1437191
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Aculeata;Apoidea;Megachilidae;Megachilinae;Osmiini;Osmia;Osmia bicornis;Osmia bicornis bicornis

UdeM00000025591 7719 199.1 UdeM00000025591 XP_004227365.1 53.4 161
75 0 6 166 2 162 4.30E-48 199.1 7719 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000025594 29159 101.3 UdeM00000025594 XP_034311318.1 50.6 89
44 0 2 90 13 101 6.70E-19 101.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000025595 6565 229.9 UdeM00000025595 XP_022337267.1 34.5 571
262 18 1 464 1 566 6.50E-57 229.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000025599 7998 170.6 UdeM00000025599 XP_017334791.1 68.1 113
36 0 1 113 62 174 1.10E-39 170.6 7998 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroidae;Ictaluridae;Ictalurus;Ictalurus punctatus

UdeM00000025600 6596 421.8 UdeM00000025600 XP_045182313.1 38.2 773
418 15 3 753 479 1213 1.90E-114 421.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000025601 7054 202.6 UdeM00000025601 XP_031328250.1 48.7 224
114 1 1 223 1 224 5.30E-49 202.6 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elateriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis

UdeM00000025602 7054 266.2 UdeM00000025602 XP_031350480.1 53.4 219
101 1 1 218 249 467 3.80E-68 266.2 7054 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elateriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis

UdeM00000025603 7719 194.5 UdeM00000025603 XP_004227365.1 53.4 161
75 0 6 166 2 162 1.10E-46 194.5 7719 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Tunicata; Ascidiacea; Phlebobranchia; Cionidae; Ciona; Ciona intestinalis

UdeM00000025611 6596 65.9 UdeM00000025611 XP_045215232.1 50.9 53
25 1 4 56 7 58 6.00E-08 65.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000025612 6596 200.7 UdeM00000025612 XP_045182316.1 34.6 381
191 7 64 436 361 691 3.90E-48 200.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000025613 6596 233.8 UdeM00000025613 XP_045182313.1 37.4 465
242 10 2 457 789 1213 4.40E-58 233.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000025619 6596 206.1 UdeM00000025619 XP_045214422.1 33 449
255 16 329 766 94 507 1.60E-49 206.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000025620 6596 438.7 UdeM00000025620 XP_045187536.1 64 331
117 1 1 331 396 724 6.50E-120 438.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000025621 6596 672.9 UdeM00000025621 XP_045187536.1 66.8 500
163 2 2 501 228 724 3.10E-190 672.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000025623 1735272 88.2 UdeM00000025623 XP_041362151.1 38.9
113 68 1 9 120 563 675 8.50E-15 88.2 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000025626 6579 262.7 UdeM00000025626 XP_033761495.1 66.3 184
59 1 36 219 24 204 4.20E-67 262.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000025627 29159 281.2 UdeM00000025627 XP_034330259.1 45.3 307
155 5 20 324 411 706 1.90E-72 281.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025628 29159 184.1 UdeM00000025628 XP_034312908.1 27.3 631
381 18 3 568 6 623 4.90E-43 184.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025629 29159 184.9 UdeM00000025629 XP_034312908.1 27.3 631
381 18 3 568 6 623 2.90E-43 184.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000025630 6596 230.3 UdeM00000025630 XP_045216945.1 33.7 419
216 8 170 586 9 367 1.10E-56 230.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025631 6565 205.3 UdeM00000025631 XP_022287659.1 40.5 259
151 3 11 269 8 263 1.10E-49 205.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000025633 6596 109.4 UdeM00000025633 XP_045162203.1 61.2 80
31 0 26 105 1435 1514 2.90E-21 109.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000025636 6596 196.1 UdeM00000025636 XP_045182316.1 44.3 253
128 4 1 244 392 640 6.40E-47 196.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013593 29159 95.5 UdeM00000013593 XP_011423587.2 30.1 229
141 7 167 386 76 294 1.60E-16 95.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013594 7574 147.1 UdeM00000013594 XP_013396733.1 39.9 228
134 3 74 299 22 248 3.50E-32 147.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000013595 6596 562.8 UdeM00000013595 XP_045175062.1 51.9 543
259 2 9 550 8 549 5.00E-157 562.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013597 29159 72.4 UdeM00000013597 XP_011424333.2 25.7 280
176 9 246 511 14 275 1.90E-09 72.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013598 29159 87.4 UdeM00000013598 XP_011424333.2 28 275
166 10 130 390 21 277 4.30E-14 87.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013601 6087 169.9 UdeM00000013601 XP_012565456.1 60.6 127
48 1 4 128 890 1016 2.20E-39 169.9 6087 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydrozoa;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
UdeM00000013602 1735272 83.6 UdeM00000013602 XP_041379274.1 35.2
122 77 2 2 122 245 365 2.00E-13 83.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013603 6945 65.1 UdeM00000013603 XP_040078187.1 30.8 117
80 1 49 164 38 154 2.60E-07 65.1 6945 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitiformes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
UdeM00000013604 29159 97.1 UdeM00000013604 XP_011423587.2 30.5 220
144 6 167 378 76 294 5.30E-17 97.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013605 29159 95.1 UdeM00000013605 XP_011423587.2 29.4 228
144 6 167 386 76 294 2.10E-16 95.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013606 6596 503.8 UdeM00000013606 XP_045175062.1 51.5 487
234 2 9 494 8 493 2.40E-139 503.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013607 6596 572.8 UdeM00000013607 XP_045175062.1 52.7 543
255 2 9 550 8 549 4.80E-160 572.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013608 6596 572 UdeM00000013608 XP_045175062.1 52.8 551
 257 3 1 550 1 549 8.20E-160 572 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013610 29159 426.8 UdeM00000013610 XP_011435860.2 36.6 688
 381 12 82 752 28 677 5.80E-116 426.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013611 6596 144.1 UdeM00000013611 XP_045216641.1 37.9 211
 116 3 24 223 89 295 2.50E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013612 6565 308.1 UdeM00000013612 XP_022330882.1 40.5 432
 212 8 1 422 273 669 1.70E-80 308.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013613 6565 62.4 UdeM00000013613 XP_022327714.1 38.6 114
 63 1 5 111 11 124 5.60E-07 62.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013614 7668 110.9 UdeM00000013614 XP_030839940.1 27.8 295
 183 8 2 288 90 362 3.10E-21 110.9 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000013615 6596 495.7 UdeM00000013615 XP_045175062.1 48.9 548
 277 3 1 547 1 546 7.60E-137 495.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013616 1735272 196.8 UdeM00000013616 XP_041376757.1 33.4
 338 181 7 18 326 17 339 4.20E-47 196.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000013617 6579 195.3 UdeM00000013617 XP_033744417.1 43.6 236
 109 6 11 241 4 220 9.40E-47 195.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013618 1735272 199.1 UdeM00000013618 XP_041376757.1 34.6
 338 182 4 14 324 13 338 8.50E-48 199.1 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013619 6596 104.8 UdeM00000013619 XP_045203526.1 47.1 119
63 0 1 119 227 345 1.20E-19 104.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013620 6596 377.1 UdeM00000013620 XP_045216641.1 36.3 641
351 13 13 623 89 702 4.40E-101 377.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013621 29159 375.2 UdeM00000013621 XP_011435860.2 34.7 651
381 10 2 627 47 678 1.70E-100 375.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013622 6579 213.4 UdeM00000013622 XP_033750309.1 48.3 230
99 3 29 243 493 717 3.30E-52 213.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013623 6579 328.9 UdeM00000013623 XP_033750309.1 36.7 537
296 9 41 561 126 634 1.30E-86 328.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013624 6596 208.8 UdeM00000013624 XP_045216641.1 30.8 442
264 8 13 441 89 501 1.50E-50 208.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013626 6573 414.5 UdeM00000013626 XP_021346025.1 36.7 682
382 12 4 668 82 730 2.60E-112 414.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013625 6573 414.8 UdeM00000013625 XP_021346025.1 36.7 682
382 12 58 722 82 730 2.20E-112 414.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013627 6596 250.8 UdeM00000013627 XP_045193371.1 50.2 207
103 0 53 259 303 509 2.00E-63 250.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000013628 6596 251.9 UdeM00000013628 XP_045193371.1 44.6 303
 163 5 1 300 1 301 1.00E-63 251.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013629 6573 492.7 UdeM00000013629 XP_021349146.1 39.4 751
 292 18 16 622 3 734 7.20E-136 492.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013630 29159 123.2 UdeM00000013630 XP_034329616.1 56 109
 43 1 5 108 3 111 2.90E-25 123.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013631 6596 111.7 UdeM00000013631 XP_045179675.1 50 102
 51 0 1 102 1 102 6.90E-22 111.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013632 6596 119.8 UdeM00000013632 XP_045178940.1 50.9 106
 52 0 3 108 1 106 3.30E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013633 6596 112.5 UdeM00000013633 XP_045178940.1 48.5 103
 53 0 1 103 1 103 5.10E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013635 6500 375.9 UdeM00000013635 XP_005109613.2 53.4 335
 151 2 17 351 16 345 5.50E-101 375.9 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000013636 6579 372.1 UdeM00000013636 XP_033754408.1 36.3 608
 365 6 11 610 28 621 2.00E-99 372.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013637 13686 291.6 UdeM00000013637 XP_011170408.3 42.1 385
 218 3 1 382 471 853 1.50E-75 291.6 13686 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Formicoidea;Formicidae;Myrmicinae;Solenopsidini;Solenopsis;Solenopsi
 s invicta
 UdeM00000013638 37653 1152.9 UdeM00000013638 XP_014783789.1 52.6
 1094 488 16 86 1160 83 1164 0.00E+00 1152.9
 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000013639 37653 508.1 UdeM00000013639 XP_014783789.1 50.8 520
223 7 2 494 640 1153 1.30E-140 508.1 37653 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000013640 6579 561.2 UdeM00000013640 XP_033755348.1 46 639
271 11 43 612 34 667 1.60E-156 561.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013641 6596 481.1 UdeM00000013641 XP_045192716.1 60.9 394
152 2 1 394 47 438 1.40E-132 481.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013642 6573 282.3 UdeM00000013642 XP_021350160.1 63.7 267
97 0 1 267 251 517 6.50E-73 282.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013643 6573 144.1 UdeM00000013643 XP_021350152.1 40.1 242
135 5 13 251 11 245 2.50E-31 144.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013644 6596 627.1 UdeM00000013644 XP_045194093.1 50.7 605
283 9 35 627 50 651 2.60E-176 627.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013645 6565 377.1 UdeM00000013645 XP_022337692.1 36 625
362 13 128 742 1 597 6.00E-101 377.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000013646 6579 117.1 UdeM00000013646 XP_033755178.1 36.5 200
83 4 12 210 60 216 2.80E-23 117.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013647 6573 87.8 UdeM00000013647 XP_021371298.1 38.2 136
74 2 11 140 3 134 1.20E-14 87.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013648 6596 918.7 UdeM00000013648 XP_045192874.1 80.5 563
105 4 2 561 225 785 3.60E-264 918.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013649 6579 249.2 UdeM00000013649 XP_033755020.1 68.5 162
 51 0 17 178 55 216 5.60E-63 249.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013650 6596 386.3 UdeM00000013650 XP_045192873.1 74.8 242
 59 1 26 265 30 271 3.70E-104 386.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013651 6596 485.3 UdeM00000013651 XP_045205714.1 81 290
 55 0 1 290 1 290 5.30E-134 485.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013652 6596 337.8 UdeM00000013652 XP_045193591.1 60.8 273
 107 0 1 273 32 304 1.30E-89 337.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013653 6565 423.3 UdeM00000013653 XP_022325149.1 31 825
 552 11 20 836 49 864 7.10E-115 423.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013655 6596 161.8 UdeM00000013655 XP_045203760.1 26 416
 295 6 2 407 44 456 1.90E-36 161.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013656 6596 132.5 UdeM00000013656 XP_045204674.1 37.4 182
 109 2 2 180 278 457 6.10E-28 132.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013657 6579 74.3 UdeM00000013657 XP_033753962.1 55.2 67
 28 1 5 71 175 239 6.90E-11 74.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013658 6596 162.9 UdeM00000013658 XP_045202954.1 27.1 414
 289 6 2 407 47 455 8.50E-37 162.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013659 6596 382.5 UdeM00000013659 XP_045193632.1 45.1 448
 241 5 59 503 2 447 8.50E-103 382.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013661 6596 163.7 UdeM00000013661 XP_045193635.1 26.7 393
 272 8 26 407 50 437 5.00E-37 163.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013662 6596 233.4 UdeM00000013662 XP_045193635.1 44 293
 157 5 6 292 156 447 3.70E-58 233.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013663 6596 159.8 UdeM00000013663 XP_045193641.1 41.6 202
 109 5 10 207 5 201 4.00E-36 159.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013664 6596 154.5 UdeM00000013664 XP_045215574.1 44.7 150
 79 1 19 164 17 166 1.20E-34 154.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013665 225164 411.8 UdeM00000013665 XP_009050890.1 31.4
 907 534 16 10 907 8 835 2.30E-111 411.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000013666 29159 344.7 UdeM00000013666 XP_019928194.2 61.6 268
 99 3 58 323 19 284 1.30E-91 344.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013667 6596 544.7 UdeM00000013667 XP_045192971.1 61.6 463
 169 4 1 456 39 499 1.20E-151 544.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013673 6596 90.5 UdeM00000013673 XP_045157539.1 29 221
 143 4 4 213 478 695 2.90E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000013674 6596 224.6 UdeM00000013674 XP_045199387.1 33.3 402
 250 8 4 395 3 396 2.50E-55 224.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013676 29159 117.5 UdeM00000013676 XP_019926412.2 43.7 142
 77 1 1 139 1 142 1.50E-23 117.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013679 6596 70.9 UdeM00000013679 XP_045161599.1 25.6 277
 177 7 1 255 7 276 3.40E-09 70.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013681 6596 750 UdeM00000013681 XP_045192740.1 68.7 559
 171 2 29 584 37 594 2.40E-213 750 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013682 6596 357.8 UdeM00000013682 XP_045192741.1 68.3 252
 80 0 1 252 8 259 1.10E-95 357.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013683 6596 895.2 UdeM00000013683 XP_045191853.1 70.3 566
 168 0 18 583 4 569 4.50E-257 895.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013684 6596 234.2 UdeM00000013684 XP_045193383.1 43.8 256
 143 1 1 256 44 298 2.50E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013686 6565 477.2 UdeM00000013686 XP_022335540.1 54.5 462
 204 2 1 459 30 488 2.30E-131 477.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013688 441366 402.9 UdeM00000013688 XP_028318212.1 29.7
 822 500 15 340 1128 139 915 1.30E-108 402.9 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen

niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000013689 29159 407.9 UdeM00000013689 XP_034338405.1 30.6 1351
 729 28 3 1337 104 1262 5.00E-110 407.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013690 29159 412.5 UdeM00000013690 XP_034338404.1 33.5 1345
 687 32 3 1311 104 1277 2.00E-111 412.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013691 6573 444.1 UdeM00000013691 XP_021343810.1 88.2 245
 29 0 1 245 1 245 1.10E-121 444.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013692 6596 430.3 UdeM00000013692 XP_045191903.1 85.8 246
 35 0 1 246 1 246 1.70E-117 430.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013693 37653 1198 UdeM00000013693 XP_014781977.1 50.5 1341
 501 25 1 1233 1 1286 0.00E+00 1198 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000013694 6565 493.4 UdeM00000013694 XP_022344356.1 54.5 415
 184 3 12 423 14 426 2.80E-136 493.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013695 6565 514.6 UdeM00000013695 XP_022344356.1 57 416
 174 3 12 424 14 427 1.20E-142 514.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013696 29159 634 UdeM00000013696 XP_034317562.1 31 1203
 776 23 8 1197 75 1236 4.30E-178 634 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013697 7574 107.8 UdeM00000013697 XP_013401045.1 48.4 93
 47 1 22 114 158 249 9.20E-21 107.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000013698 7574 95.9 UdeM00000013698 XP_013401045.1 46.6 88
 46 1 22 109 158 244 3.40E-17 95.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000013699 29159 471.5 UdeM00000013699 XP_034317566.1 27.7 1162
 705 27 216 1277 52 1178 3.80E-129 471.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013700 29159 195.3 UdeM00000013700 XP_034299028.1 42.8 215
 119 3 20 232 24 236 8.70E-47 195.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013701 6596 555.1 UdeM00000013701 XP_045206065.1 34.8 924
 577 16 136 1044 76 989 2.40E-154 555.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013702 6565 71.2 UdeM00000013702 XP_022337361.1 48.7 119
 57 4 8 125 10 125 1.00E-09 71.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000013704 6596 138.7 UdeM00000013704 XP_045191451.1 46.9 143
 76 0 1 143 153 295 6.70E-30 138.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013703 6596 245.4 UdeM00000013703 XP_045191451.1 42.2 294
 168 1 43 336 4 295 1.10E-61 245.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013706 29159 247.3 UdeM00000013706 XP_034316161.1 42.6 289
 165 1 1 288 645 933 2.40E-62 247.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000013707 6573 2010.3 UdeM00000013707 XP_021358282.1 60.8
 1607 609 14 1 1598 1 1595 0.00E+00 2010.3 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013708 6596 459.1 UdeM00000013708 XP_045192146.1 70.2 299
 88 1 13 310 7 305 4.40E-126 459.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013709 29159 70.1 UdeM00000013709 XP_034316161.1 44.1 68
 38 0 21 88 703 770 1.70E-09 70.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000013711 1735272 238.8 UdeM00000013711 XP_041376510.1 43.8
304 162 4 113 414 266 562 1.30E-59 238.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013710 1735272 238.8 UdeM00000013710 XP_041376510.1 43.8
304 162 4 217 518 266 562 1.60E-59 238.8 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000013712 6596 4299.6 UdeM00000013712 XP_045194265.1 55.7
4705 1820 60 5 4633 5 4523 0.00E+00 4299.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013713 45264 82.8 UdeM00000013713 XP_044168162.1 27.8 227
157 3 364 585 73 297 1.60E-12 82.8 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000013714 6596 1075.5 UdeM00000013714 XP_045194958.1 54.1
1171 395 19 35 1171 999 2061 0.00E+00 1075.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013715 6596 1048.9 UdeM00000013715 XP_045194958.1 64.3
866 288 3 286 1134 24 885 4.70E-303 1048.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013716 6596 224.9 UdeM00000013716 XP_045194958.1 56.1 196
67 2 34 211 1870 2064 9.50E-56 224.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000013717 6573 258.5 UdeM00000013717 XP_021364449.1 61.4 210
81 0 7 216 6 215 8.40E-66 258.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013718 6579 234.2 UdeM00000013718 XP_033755073.1 64.6 178
63 0 1 178 38 215 1.40E-58 234.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013719 6579 229.2 UdeM00000013719 XP_033755073.1 64.4 177
63 0 1 177 38 214 9.30E-57 229.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013720 6573 253.4 UdeM00000013720 XP_021364449.1 60.7 214
84 0 1 214 1 214 5.00E-64 253.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013720 6573 182.6 UdeM00000013720 XP_021364449.1 50.5 196
77 1 238 433 2053 2228 1.10E-42 182.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013721 6596 2299.2 UdeM00000013721 XP_045194958.1 59.6
2160 748 22 4 2138 4 2064 0.00E+00 2299.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013722 6596 341.3 UdeM00000013722 XP_045192708.1 52.3 310
132 3 12 320 206 500 1.40E-90 341.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013723 6596 243 UdeM00000013723 XP_045192708.1 52.4 208
98 1 30 237 1 207 4.50E-61 243 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013724 6596 1411 UdeM00000013724 XP_045193727.1 58.2 2052
719 25 1 2000 6 1970 0.00E+00 1411 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013725 6596 119.8 UdeM00000013725 XP_045193503.1 57.4 108
44 1 1 108 1 106 3.50E-24 119.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013726 6596 613.6 UdeM00000013726 XP_045164844.1 50.2 634
291 7 40 663 110 728 2.90E-172 613.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013727 2607531 129.4 UdeM00000013727 XP_029647410.1 37.7
 212 116 8 4 203 3 210 1.70E-26 129.4 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000013728 6596 1073.9 UdeM00000013728 XP_045194992.1 41.5
 1429 785 25 43 1447 792 2193 1.6e-310 1073.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013729 6573 796.2 UdeM00000013729 XP_021353856.1 81.3 471
 87 1 2 472 58 527 2.30E-227 796.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013730 6579 247.7 UdeM00000013730 XP_033739209.1 49.6 258
 114 2 9 261 2 248 1.70E-62 247.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013732 7574 140.6 UdeM00000013732 XP_013405563.1 34.6 266
 138 5 1 263 146 378 2.90E-30 140.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000013733 400727 301.6 UdeM00000013733 XP_025115014.1 75.8
 190 41 1 51 235 15 204 9.00E-79 301.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000013734 6596 679.9 UdeM00000013734 XP_045191617.1 52.3 612
 274 5 7 603 7 615 3.10E-192 679.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013735 6596 717.2 UdeM00000013735 XP_045191617.1 54.8 613
 272 3 1 611 8 617 1.80E-203 717.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013736 6596 137.9 UdeM00000013736 XP_045198987.1 32 353
 215 9 24 374 25 354 3.70E-29 137.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013737 6596 339.3 UdeM00000013737 XP_045192050.1 63.2 228
 84 0 20 247 30 257 4.10E-90 339.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013738 6596 295 UdeM00000013738 XP_045191221.1 38.9 419
241 4 10 427 9 413 1.50E-76 295 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013740 6596 292.4 UdeM00000013740 XP_045191221.1 39.9 419
237 4 10 427 9 413 9.70E-76 292.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013741 6596 109.4 UdeM00000013741 XP_045187825.1 36.7 177
92 2 1 177 185 341 5.10E-21 109.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013742 6596 179.9 UdeM00000013742 XP_045187824.1 48.6 181
89 1 19 199 3 179 3.30E-42 179.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013743 2607531 518.8 UdeM00000013743 XP_029638185.1 46.6
611 315 7 1 603 1 608 8.90E-144 518.8 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000013745 6596 1479.5 UdeM00000013745 XP_045191521.1 59.9
1188 315 12 15 1046 185 1367 0.00E+00 1479.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013746 6596 1562.4 UdeM00000013746 XP_045191520.1 39.5
2448 1094 53 10 2148 2 2372 0.00E+00 1562.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000013747 6579 652.9 UdeM00000013747 XP_033755023.1 52.6 588
276 2 1 585 1 588 3.90E-184 652.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000013748 6573 414.1 UdeM00000013748 XP_021356901.1 39 625
 327 14 11 614 23 614 5.70E-112 414.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013749 6596 216.5 UdeM00000013749 XP_045181142.1 40.6 323
 168 7 40 344 57 373 5.40E-53 216.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013750 45264 90.5 UdeM00000013750 XP_044176443.1 44.3 106
 57 2 28 132 87 191 2.00E-15 90.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000013751 6579 289.3 UdeM00000013751 XP_033739131.1 67 200
 65 1 1 200 1171 1369 3.90E-75 289.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000013753 6596 112.5 UdeM00000013753 XP_045192817.1 48.3 116
 53 5 17 130 32 142 5.10E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013754 6596 604 UdeM00000013754 XP_045192817.1 73.1 387
 100 3 45 430 306 689 2.00E-169 604 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013755 6596 719.9 UdeM00000013755 XP_045192817.1 56.3 581
 246 5 31 608 709 1284 2.70E-204 719.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013756 6596 519.2 UdeM00000013756 XP_045194014.1 58.4 476
 174 3 1 476 1 452 5.40E-144 519.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000013757 6573 316.2 UdeM00000013757 XP_021372379.1 55.8 283
 113 2 2 274 1 281 4.00E-83 316.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000013758 6579 118.2 UdeM00000013758 XP_033730751.1 61.7 81
 31 0 25 105 179 259 6.20E-24 118.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000013759 6573 342.8 UdeM00000013759 XP_021358283.1 63.6 264
91 2 20 278 27 290 4.20E-91 342.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000013760 6596 1316.6 UdeM00000013760 XP_045193420.1 62.3
1084 400 5 1 1078 1 1081 0.00E+00 1316.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013761 6596 330.1 UdeM00000013761 XP_045192942.1 46.7 398
120 4 1 383 1 321 3.70E-87 330.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000013762 6596 467.2 UdeM00000013762 XP_045194642.1 64.1 407
127 9 10 402 9 410 2.10E-128 467.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033219 6596 58.9 UdeM00000033219 XP_045189070.1 40 95
55 2 1 94 1 94 4.00E-06 58.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033220 37621 429.5 UdeM00000033220 XP_014672567.1 45 478
243 7 35 497 46 518 6.40E-117 429.5 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus
UdeM00000033221 6596 159.1 UdeM00000033221 XP_045169414.1 45.7 219
105 6 16 223 13 228 7.00E-36 159.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033222 6596 202.2 UdeM00000033222 XP_045168367.1 73.5 136
35 1 7 141 7 142 4.40E-49 202.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000033223 8049 112.1 UdeM00000033223 XP_030224918.1 64.9 74
26 0 1 74 78 151 3.10E-22 112.1 8049 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossoccephalai;Clupeocea

phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadidae;Gadus;Gadus morhua

UdeM00000033224 8364 131 UdeM00000033224 XP_031750186.1 55 109
48 1 5 112 181 289 1.00E-27 131 8364 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Batrachia;Anura;Pipoidea;Pipidae;Xenopodinae;Xenopus;Silurana;Xenopus tropicalis

UdeM00000033225 6565 214.2 UdeM00000033225 XP_022309126.1 63.9 158
55 2 7 162 8 165 1.30E-52 214.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033226 6596 734.6 UdeM00000033226 XP_045168035.1 72.3 494
136 1 19 511 24 517 8.80E-209 734.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033228 6579 152.9 UdeM00000033228 XP_033759278.1 37.8 238
120 5 58 292 63 275 6.20E-34 152.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033229 6579 157.1 UdeM00000033229 XP_033761321.1 28.3 357
241 6 1 349 30 379 5.00E-35 157.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033230 6579 168.7 UdeM00000033230 XP_033761321.1 28.6 371
250 6 4 366 16 379 1.70E-38 168.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033232 6573 666.8 UdeM00000033232 XP_021373560.1 67.4 470
149 2 1 466 1 470 2.10E-188 666.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033231 6573 637.1 UdeM00000033231 XP_021373560.1 67.3 446
142 2 2 443 25 470 1.70E-179 637.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033233 6573 686.8 UdeM00000033233 XP_021376417.1 62.5 507
188 2 3 508 2 507 2.10E-194 686.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033235 6596 217.6 UdeM00000033235 XP_045169281.1 51.7 207
87 2 75 281 122 315 5.40E-53 217.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033236 6573 167.5 UdeM00000033236 XP_021369937.1 32.2 382
218 13 406 751 334 710 9.60E-38 167.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000033237 6596 85.5 UdeM00000033237 XP_045200724.1 31.9 135
82 2 4 136 126 252 8.30E-14 85.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033238 6596 65.9 UdeM00000033238 XP_045209337.1 35.7 98
58 3 4 101 25 117 3.50E-08 65.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033241 29159 162.2 UdeM00000033241 XP_011447732.1 63.8 116
42 0 4 119 3 118 4.20E-37 162.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000033242 6596 140.6 UdeM00000033242 XP_045170362.1 48.4 182
78 5 1 167 1 181 6.00E-30 140.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033243 6565 219.9 UdeM00000033243 XP_022327962.1 44.5 274
119 3 1 241 445 718 3.40E-54 219.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000033244 6596 117.9 UdeM00000033244 XP_045164125.1 72.7 77
21 0 40 116 212 288 9.00E-24 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000033245 6579 915.6 UdeM00000033245 XP_033761713.1 80 525
104 1 54 578 686 1209 3.30E-263 915.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000033247 1735272 243.8 UdeM00000033247 XP_041365992.1 57.9
195 81 1 17 210 90 284 2.00E-61 243.8 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033248 1735272 319.3 UdeM00000033248 XP_041365992.1 53.8
292 125 4 1 290 1 284 5.20E-84 319.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000044361 225164 162.5 UdeM00000044361 XP_009051079.1 38.6
251 119 4 36 254 126 373 7.00E-37 162.5 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000044362 400727 79.3 UdeM00000044362 XP_025095693.1 35.1
131 64 4 67 197 2 111 6.00E-12 79.3 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000044363 6596 250.8 UdeM00000044363 XP_045202624.1 39.7 307
168 3 110 402 29 332 3.10E-63 250.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044364 6596 214.2 UdeM00000044364 XP_045202624.1 39.1 261
145 1 11 257 72 332 2.10E-52 214.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042862 6596 76.3 UdeM00000042862 XP_045207642.1 24.4 369
238 10 4 341 652 1010 8.70E-11 76.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042863 6596 81.6 UdeM00000042863 XP_045209928.1 29.6 169
112 4 1 167 1 164 1.10E-12 81.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042865 6596 227.3 UdeM00000042865 XP_045207787.1 78.4 139
30 0 42 180 716 854 1.70E-56 227.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042866 6596 194.5 UdeM00000042866 XP_045207787.1 76.5 132
29 1 2 131 584 715 8.40E-47 194.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042867 6596 337.8 UdeM00000042867 XP_045207787.1 42.9 450
236 5 1 441 1 438 2.10E-89 337.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000042868 6579 332 UdeM00000042868 XP_033725828.1 56 284
123 1 1 282 1 284 8.80E-88 332 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032405 6596 62.4 UdeM00000032405 XP_045210831.1 31.2 141
40 2 1 84 1 141 3.20E-07 62.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032406 6596 481.1 UdeM00000032406 XP_045187150.1 49.4 488
242 2 1 488 135 617 1.70E-132 481.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032407 6579 144.8 UdeM00000032407 XP_033748473.1 37.8 217
131 3 29 243 524 738 1.40E-31 144.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032410 6579 132.9 UdeM00000032410 XP_033740904.1 55.8 104
46 0 355 458 25 128 1.10E-27 132.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000032411 7054 271.9 UdeM00000032411 XP_031350480.1 53.9 219
100 1 1 218 249 467 6.90E-70 271.9 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000032412 7054 209.1 UdeM00000032412 XP_031328250.1 49.6 224
112 1 1 223 1 224 5.60E-51 209.1 7054 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elateriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000032415 6565 252.7 UdeM00000032415 XP_022298930.1 35.5 414
164 7 26 340 10 419 6.80E-64 252.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032416 6565 100.9 UdeM00000032416 XP_022316733.1 60.6 71
27 1 54 124 188 257 1.50E-18 100.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032419 1676925 183.7 UdeM00000032419 XP_023657625.1 45.1
 224 116 2 2 224 99 316 2.50E-43 183.7 1676925
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Osteoglo
 ssocephala;Osteoglossomorpha;Osteoglossiformes;Mormyridae;Paramormyrops;P
 aramormyrops kingsleyae
 UdeM00000032420 400682 72 UdeM00000032420 XP_003390251.1 32.2
 152 87 4 12 159 432 571 1.00E-09 72 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000032422 6596 451.1 UdeM00000032422 XP_045181000.1 81.7 278
 51 0 93 370 1339 1616 1.40E-123 451.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032423 6596 188.3 UdeM00000032423 XP_045169782.1 47.1 191
 100 1 1 190 56 246 8.70E-45 188.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032425 6565 498 UdeM00000032425 XP_022320668.1 61.1 393
 139 1 1 379 398 790 1.10E-137 498 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032427 6565 100.9 UdeM00000032427 XP_022316733.1 60.6 71
 27 1 54 124 188 257 1.50E-18 100.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032432 6565 64.7 UdeM00000032432 XP_022316733.1 39.4 71
 43 0 1 71 259 329 1.90E-07 64.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032433 6596 116.3 UdeM00000032433 XP_045182313.1 27.5 298
 121 4 3 205 479 776 4.60E-23 116.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032434 6565 128.6 UdeM00000032434 XP_022297447.1 34.1 211
 76 1 355 502 156 366 2.20E-26 128.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032435 6565 82.8 UdeM00000032435 XP_022299727.1 40.4 104
 58 2 1 100 46 149 5.90E-13 82.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032437 6565 165.6 UdeM00000032437 XP_022334993.1 77.2 92
 21 0 76 167 722 813 5.30E-38 165.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032437 6565 65.5 UdeM00000032437 XP_022334993.1 46.1 76
 39 1 1 74 481 556 7.50E-08 65.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032436 6565 153.7 UdeM00000032436 XP_022334993.1 77 87
 20 0 76 162 722 808 2.10E-34 153.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032436 6565 65.5 UdeM00000032436 XP_022334993.1 46.1 76
 39 1 1 74 481 556 7.50E-08 65.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032438 6945 68.9 UdeM00000032438 XP_040062109.1 37.3 102
 61 2 29 127 116 217 8.00E-09 68.9 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000032439 6579 250.4 UdeM00000032439 XP_033739209.1 50 258
 113 2 9 261 2 248 2.60E-63 250.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032440 48498 259.2 UdeM00000032440 XP_020629946.1 37.1 421
 237 8 2 419 1050 1445 9.10E-66 259.2 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000032441 6565 176 UdeM00000032441 XP_022305704.1 34.5 290
 150 3 1 290 208 457 6.90E-41 176 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032444 6565 198 UdeM00000032444 XP_022333382.1 52 173
 82 1 1 173 189 360 2.00E-47 198 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000032445 46514 115.5 UdeM00000032445 XP_038071378.1 56.5 108
 47 0 7 114 6 113 4.40E-23 115.5 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000032447 6596 447.2 UdeM00000032447 XP_045187536.1 68.3 334
 103 2 2 335 228 558 1.90E-122 447.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032448 6596 438.7 UdeM00000032448 XP_045187536.1 64 331
117 1 1 331 396 724 6.50E-120 438.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032450 7906 65.1 UdeM00000032450 XP_034778845.1 39.2 74
45 0 73 146 387 460 9.10E-08 65.1 7906 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus

UdeM00000032453 7574 221.1 UdeM00000032453 XP_013399039.1 48.2 247
116 4 3 243 4 244 1.60E-54 221.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000032454 7574 336.3 UdeM00000032454 XP_013384628.1 80.9 194
37 0 1 194 367 560 2.70E-89 336.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000032455 7574 255.8 UdeM00000032455 XP_013382110.1 47.4 234
119 2 3 236 386 615 5.50E-65 255.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000032457 7574 258.8 UdeM00000032457 XP_013382110.1 61.3 194
75 0 14 207 45 238 5.80E-66 258.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000032456 7574 258.5 UdeM00000032456 XP_013382110.1 59.1 208
79 1 1 208 37 238 7.60E-66 258.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000032460 29159 85.1 UdeM00000032460 XP_034299474.1 39.6 91
53 1 1 91 415 503 5.10E-14 85.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032461 55291 70.5 UdeM00000032461 XP_039625496.1 48.6 72
34 2 7 75 5 76 1.30E-09 70.5 55291 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Cladistia;Polypteriformes;Polypteridae;Polypterus;Polypterus senegalus

UdeM00000032462 7994 248.1 UdeM00000032462 XP_022519279.1 54.2 216
99 0 1 216 114 329 1.10E-62 248.1 7994 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiiformes;Characo
idei;Characidae;Stethaprioninae;Astyanax;Astyanax mexicanus
UdeM00000032463 50429 68.2 UdeM00000032463 XP_022804186.1 39.8 93
53 1 1 90 430 522 8.80E-09 68.2 50429 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata
UdeM00000032464 50429 67.4 UdeM00000032464 XP_022804186.1 41.7 72
42 0 1 72 430 501 1.50E-08 67.4 50429 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
pistillata
UdeM00000032467 6596 246.5 UdeM00000032467 XP_045181000.1 52.8 439
113 4 2 347 1140 1577 5.10E-62 246.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032469 7906 101.7 UdeM00000032469 XP_034778848.1 36.2 138
88 0 54 191 387 524 1.60E-18 101.7 7906 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroidei;Acipen
seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus
UdeM00000032473 7574 239.2 UdeM00000032473 XP_013409676.1 50.7 268
115 5 1 261 1 258 6.00E-60 239.2 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000032474 7574 202.6 UdeM00000032474 XP_013399038.1 67.2 137
45 0 25 161 63 199 3.80E-49 202.6 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000032478 6573 253.4 UdeM00000032478 XP_021354853.1 48.9 268
125 4 185 449 147 405 5.20E-64 253.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032479 6573 399.8 UdeM00000032479 XP_021372025.1 50.4 405
190 5 5 401 3 404 4.00E-108 399.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000032480 6596 131.7 UdeM00000032480 XP_045206152.1 57.1 119
45 2 1 119 437 549 6.30E-28 131.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000032485 6596 136 UdeM00000032485 XP_045182313.1 50 146
71 2 18 161 1068 1213 4.50E-29 136 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032486 6596 316.2 UdeM00000032486 XP_045182316.1 34.8 699
312 18 43 713 408 990 1.10E-82 316.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032487 6565 124.8 UdeM00000032487 XP_022299727.1 47.8 134
69 1 29 162 145 277 1.20E-25 124.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032490 6596 235 UdeM00000032490 XP_045181000.1 56.6 244
51 2 131 320 1302 1544 1.40E-58 235 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032491 1735272 236.5 UdeM00000032491 XP_041347279.1 33.9
436 227 10 1 382 1 429 5.70E-59 236.5 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000032495 6565 117.9 UdeM00000032495 XP_022317084.1 35.8 176
88 3 4 154 49 224 1.50E-23 117.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032496 6565 359.4 UdeM00000032496 XP_022316307.1 38.4 570
320 10 1 550 5 563 1.10E-95 359.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032497 6596 484.2 UdeM00000032497 XP_045182316.1 39 849
387 24 2 774 362 1155 3.10E-133 484.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032498 7998 171.8 UdeM00000032498 XP_017334791.1 66.4 116
39 0 1 116 62 177 5.20E-40 171.8 7998 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluridae;Ictaluridae;Ictalurus;Ictalurus punctatus

UdeM00000032499 6596 144.8 UdeM00000032499 XP_045169297.1 50.7 152
73 2 354 505 22 171 3.00E-31 144.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032500 6596 126.3 UdeM00000032500 XP_045169297.1 45.8 153
 80 3 185 337 22 171 7.30E-26 126.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032501 6596 164.1 UdeM00000032501 XP_045212369.1 57.8 147
 60 2 1 147 9 153 1.40E-37 164.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032502 6596 110.2 UdeM00000032502 XP_045169297.1 44 141
 78 1 604 744 32 171 1.20E-20 110.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032503 6596 115.2 UdeM00000032503 XP_045169297.1 44 134
 74 1 154 287 39 171 1.40E-22 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032504 6596 115.2 UdeM00000032504 XP_045169297.1 44 134
 74 1 151 284 39 171 1.40E-22 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032505 6573 186 UdeM00000032505 XP_021376911.1 34.4 302
 163 3 1 291 1 278 7.00E-44 186 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032506 6596 121.3 UdeM00000032506 XP_045173355.1 42 193
 91 8 1 176 60 248 1.30E-24 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032507 6596 154.8 UdeM00000032507 XP_045173355.1 40.7 248
 118 9 3 225 5 248 1.30E-34 154.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032508 225164 204.1 UdeM00000032508 XP_009051557.1 64.9
 134 47 0 2 135 57 190 1.10E-49 204.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidae; Lottiidae; Lottia; Lottia gigantea

UdeM00000032509 37653 266.2 UdeM00000032509 XP_014783795.1 51 255
122 2 10 263 255 507 4.70E-68 266.2 37653 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus bimaculoides

UdeM00000032510 6573 218 UdeM00000032510 XP_021364934.1 51 204
94 2 4 207 3 200 1.10E-53 218 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000032512 6573 105.1 UdeM00000032512 XP_021369507.1 44.4 232
100 9 4 219 3 221 1.10E-19 105.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000032513 6596 387.1 UdeM00000032513 XP_045173628.1 51.6 417
186 5 1 404 3 416 2.80E-104 387.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000032514 6596 910.2 UdeM00000032514 XP_045171716.1 55.2 985
357 12 49 966 51 1018 2.20E-261 910.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000032515 6596 691 UdeM00000032515 XP_045202894.1 62.9 545
197 2 42 583 41 583 1.30E-195 691 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000032516 6596 122.5 UdeM00000032516 XP_045174006.1 72.6 84
22 1 1 84 1 83 2.70E-25 122.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000032517 6565 1128.2 UdeM00000032517 XP_022343206.1 78.9
673 140 2 1 672 1 672 0.00E+00 1128.2 6565
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000032518 29159 902.5 UdeM00000032518 XP_011426919.1 85.9 531
75 0 1 531 1 531 2.50E-259 902.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000032519 29159 401.4 UdeM00000032519 XP_011446272.1 54.2 493
206 5 7 498 2 475 1.80E-108 401.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000032520 6596 3095.1 UdeM00000032520 XP_045172538.1 69.3
2421 646 27 34 2421 118 2474 0.00E+00 3095.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000032521 6596 782.7 UdeM00000032521 XP_045172127.1 58.8 709
262 13 1 693 15 709 3.90E-223 782.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000032522 6596 338.6 UdeM00000032522 XP_045172126.1 78 200
44 0 11 210 385 584 5.80E-90 338.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000032523 225164 177.2 UdeM00000032523 XP_009051860.1 42.2
251 125 4 682 932 1215 1445 1.00E-40 177.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000032524 6565 374.4 UdeM00000032524 XP_022342368.1 62.1 285
101 3 7 291 43 320 1.30E-100 374.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032525 1735272 334.3 UdeM00000032525 XP_041350337.1 70.1
231 69 0 20 250 20 250 1.30E-88 334.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000032526 2607531 844 UdeM00000032526 XP_036362849.1 44.4
1020 443 18 4 1006 2 914 2.20E-241 844 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000032527 6565 397.9 UdeM00000032527 XP_022338373.1 33.8 618
403 5 10 625 11 624 2.40E-107 397.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000032529 2607531 196.1 UdeM00000032529 XP_036362849.1 56.4
165 70 2 1 164 544 707 3.60E-47 196.1 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000032530 2607531 533.5 UdeM00000032530 XP_036362849.1 61.5
421 160 2 1 420 544 963 2.50E-148 533.5 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000032531 6596 342 UdeM00000032531 XP_045173166.1 69.5 239
73 0 1 239 429 667 6.20E-91 342 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032532 37653 713.4 UdeM00000032532 XP_014777527.1 60.7 603
156 3 35 565 64 657 2.40E-202 713.4 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000032533 1735272 716.1 UdeM00000032533 XP_041371300.1 58
597 244 5 18 612 23 614 3.90E-203 716.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000032534 2607531 138.7 UdeM00000032534 XP_029651260.1 52.3
130 54 3 1 128 1 124 2.50E-29 138.7 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000032535 2607531 138.3 UdeM00000032535 XP_029651260.1 52.7
129 53 3 1 127 1 123 3.30E-29 138.3 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000032536 7574 670.6 UdeM00000032536 XP_013408166.1 71.1 461
123 3 1 461 1 451 1.90E-189 670.6 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000032537 6596 181.4 UdeM00000032537 XP_045205524.1 45.4 194
91 4 18 197 27 219 1.10E-42 181.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032538 6596 176.8 UdeM00000032538 XP_045205524.1 40.7 209
113 3 1 198 11 219 2.80E-41 176.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032539 6596 193 UdeM00000032539 XP_045205524.1 47.2 197
 90 3 17 200 21 216 4.70E-46 193 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032540 400727 91.7 UdeM00000032540 XP_025089816.1 43.9
 107 58 1 1 105 71 177 6.20E-16 91.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000032541 6596 722.2 UdeM00000032541 XP_045171580.1 80 400
 80 0 1 400 18 417 3.50E-205 722.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032542 6596 717.2 UdeM00000032542 XP_045171580.1 79.8 401
 80 1 1 401 18 417 1.10E-203 717.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032543 6596 111.3 UdeM00000032543 XP_045186195.1 60 75
 30 0 1 75 1 75 5.70E-22 111.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032544 29159 174.9 UdeM00000032544 XP_034338305.1 62 129
 49 0 17 145 11 139 7.90E-41 174.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000032545 6573 315.1 UdeM00000032545 XP_021361447.1 52.3 298
 140 1 367 664 913 1208 2.20E-82 315.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032546 6579 797 UdeM00000032546 XP_033748078.1 49.4 857
 406 9 198 1036 92 938 3.10E-227 797 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000032547 6573 351.3 UdeM00000032547 XP_021361447.1 57.5 280
 119 0 19 298 527 806 1.20E-93 351.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000032549 6596 76.3 UdeM00000032549 XP_045171970.1 27 263
 147 7 547 766 827 1087 2.70E-10 76.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032550 6596 397.1 UdeM00000032550 XP_045173284.1 81.6 250
46 0 3 252 5 254 1.60E-107 397.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032551 166361 135.6 UdeM00000032551 XP_022900320.1 45.4
141 65 2 109 246 51 182 9.00E-29 135.6 166361
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Scarabaeiformia;Scarabaeoidea;Scarabaeidae;Scarabaeinae;Scarabaeinae incertae sedis;Onthophagus;Onthophagus taurus

UdeM00000032552 202533 143.3 UdeM00000032552 XP_035218899.1 42.1
164 89 2 2 159 303 466 2.70E-31 143.3 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000032553 1735272 132.5 UdeM00000032553 XP_041377189.1 39.5
185 90 5 51 231 80 246 7.50E-28 132.5 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000032554 6596 983 UdeM00000032554 XP_045190532.1 54.4 960
275 7 15 907 550 1413 2.50E-283 983 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000032556 166361 114.4 UdeM00000032556 XP_022900320.1 47
117 52 3 99 214 52 159 2.30E-22 114.4 166361
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Scarabaeiformia;Scarabaeoidea;Scarabaeidae;Scarabaeinae;Scarabaeinae incertae sedis;Onthophagus;Onthophagus taurus

UdeM00000032558 166361 114.4 UdeM00000032558 XP_022900320.1 47
117 52 3 99 214 52 159 2.30E-22 114.4 166361
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Scarabaeiformia;Scarabaeoidea;Scarabaeidae;Scarabaeinae;Scarabaeinae incertae sedis;Onthophagus;Onthophagus taurus

UdeM00000032560 6596 100.5 UdeM00000032560 XP_045173349.1 33.5 212
133 4 5 215 734 938 4.40E-18 100.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032561 6596 335.1 UdeM00000032561 XP_045208720.1 34.1 733
 428 23 9 712 33 739 2.20E-88 335.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032562 6596 256.5 UdeM00000032562 XP_045208720.1 35.7 516
 291 15 9 505 33 526 7.30E-65 256.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032564 6596 256.1 UdeM00000032564 XP_045173349.1 35.6 481
 284 14 79 549 53 517 1.00E-64 256.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032565 6596 194.5 UdeM00000032565 XP_045208720.1 35.1 379
 226 10 7 372 559 930 2.50E-46 194.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032566 6596 66.2 UdeM00000032566 XP_045208696.1 42.1 114
 56 4 30 141 290 395 3.80E-08 66.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032574 6596 66.2 UdeM00000032574 XP_045208696.1 42.1 114
 56 4 30 141 290 395 3.80E-08 66.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000032575 6596 66.2 UdeM00000032575 XP_045208696.1 42.1 114
 56 4 30 141 290 395 3.80E-08 66.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039209 6596 1649 UdeM00000039209 XP_045197016.1 55.5 1700
 678 30 1 1645 1 1676 0.00E+00 1649 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039210 400727 329.7 UdeM00000039210 XP_025096865.1 73
 215 54 1 1 215 1 211 5.60E-87 329.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000039211 6565 405.2 UdeM00000039211 XP_022294149.1 44.5 474
229 5 27 493 36 482 1.20E-109 405.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000039212 1735272 392.9 UdeM00000039212 XP_041354362.1 46.4
457 206 6 1 457 33 450 5.60E-106 392.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000039213 6596 604.4 UdeM00000039213 XP_045197118.1 63.4 432
158 0 6 437 4 435 1.20E-169 604.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039214 747089 177.2 UdeM00000039214 XP_025171917.1 33.2
331 192 9 34 356 40 349 3.80E-41 177.2 747089
cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
181602=DAOM 197198
UdeM00000039215 6573 388.3 UdeM00000039215 XP_021346792.1 59.9 327
128 1 1 324 102 428 2.20E-104 388.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000039216 45264 111.7 UdeM00000039216 XP_044163963.1 38.3 154
79 2 4 141 417 570 1.10E-21 111.7 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000039217 6579 567.4 UdeM00000039217 XP_033741209.1 66.2 423
138 5 1 419 3 424 1.50E-158 567.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000039219 6596 198 UdeM00000039219 XP_045198073.1 71.2 156
41 2 1 155 1 153 9.00E-48 198 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039218 6596 634.4 UdeM00000039218 XP_045198073.1 78.3 411
85 2 1 410 1 408 9.90E-179 634.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039220 6596 444.5 UdeM00000039220 XP_045198073.1 82.8 256
44 0 6 261 153 408 9.30E-122 444.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039221 6596 311.6 UdeM00000039221 XP_045209649.1 31.9 728
451 20 49 748 42 752 2.80E-81 311.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039222 6596 1052 UdeM00000039222 XP_045197998.1 52.6 1115
479 19 21 1095 223 1327 5.30E-304 1052 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039223 6596 340.9 UdeM00000039223 XP_045197998.1 76 208
50 0 16 223 14 221 1.30E-90 340.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039224 77115 367.5 UdeM00000039224 XP_038133904.1 61.9 273
102 1 9 281 11 281 1.60E-98 367.5 77115 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoides;Cyprinodontidae;Cyprinodontinae;Cyprinodontini;Cyprinodon;Cyprinodon tularosa

UdeM00000039225 1250792 95.9 UdeM00000039225 XP_041861569.1 57.5
73 31 0 2 74 595 667 2.30E-17 95.9 1250792

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000039226 1735272 179.9 UdeM00000039226 XP_041373683.1 42.3
241 130 6 11 250 225 457 5.00E-42 179.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039227 77115 136 UdeM00000039227 XP_038136846.1 45.9 172
72 4 6 174 8 161 4.70E-29 136 77115 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp

rinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinodontini;Cyprinodon;Cyprinodon tularosa

UdeM00000039228 400727 109 UdeM00000039228 XP_025091185.1 37.3
158 77 4 4 160 9 145 5.90E-21 109 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000039229 6565 105.1 UdeM00000039229 XP_022343545.1 50.5 111
44 3 89 198 57 157 1.00E-19 105.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039232 6565 115.2 UdeM00000039232 XP_022343545.1 52.3 111
42 2 65 174 57 157 9.00E-23 115.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039234 6565 108.6 UdeM00000039234 XP_022338254.1 51.4 105
41 2 48 152 78 172 7.40E-21 108.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039235 6565 115.2 UdeM00000039235 XP_022343545.1 52.3 111
42 2 65 174 57 157 9.00E-23 115.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039237 29159 77.4 UdeM00000039237 XP_011432637.2 44.9 89
38 2 40 127 64 142 2.50E-11 77.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039239 6565 107.5 UdeM00000039239 XP_022343545.1 50 110
44 2 43 151 57 156 1.60E-20 107.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039240 6565 113.6 UdeM00000039240 XP_022343545.1 51.4 111
43 2 65 174 57 157 2.60E-22 113.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039241 29159 156 UdeM00000039241 XP_034315972.1 32.7 321
205 7 122 436 10 325 1.10E-34 156 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039242 6596 1224.9 UdeM00000039242 XP_045196464.1 65.4
951 309 9 5 944 7 948 0.00E+00 1224.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039247	1529436	153.3	UdeM00000039247	XP_033095325.1	39.3				
191	114	2	9	198	11	200	3.30E-34	153.3	1529436

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Comatulinae;Anneissia;Anneissia japonica

UdeM00000039248	6596	1508.8	UdeM00000039248	XP_045198292.1	45.6				
1762	909	20	1	1744	1	1731	0.00E+00	1508.8	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039249	6579	442.6	UdeM00000039249	XP_033740699.1	71	290			
84	0	1	290	1	290	4.10E-121	442.6	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039250	29159	75.9	UdeM00000039250	XP_034310118.1	49.3	69			
35	0	519	587	502	570	2.00E-10	75.9	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039251	29159	75.9	UdeM00000039251	XP_034310118.1	49.3	69			
35	0	504	572	502	570	2.00E-10	75.9	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039252	29159	75.9	UdeM00000039252	XP_034310118.1	49.3	69			
35	0	526	594	502	570	2.00E-10	75.9	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039254	6596	433.7	UdeM00000039254	XP_045198456.1	68	487			
94	1	3	427	2	488	2.70E-118	433.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039255	586833	77.4	UdeM00000039255	XP_029912506.1	27.5				
229	139	9	54	280	164	367	3.20E-11	77.4	586833

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Holocentrimorphaceae;Holocentriformes;Holocentridae;Myripristinae;Myripristis;Myripristis murdjan

UdeM00000039256	586833	77.4	UdeM00000039256	XP_029912506.1	27.5				
229	139	9	54	280	164	367	3.20E-11	77.4	586833

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;
 Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;
 Euacanthomorpha;Holocentrimorphaceae;Holocentriformes;Holocentridae;
 Myripristinae;Myripristis;Myripristis murdjan
 UdeM00000039257 6579 73.9 UdeM00000039257 XP_033753397.1 38.3 94
 51 1 486 579 499 585 7.60E-10 73.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039258 29159 74.3 UdeM00000039258 XP_034310118.1 49.3 69
 35 0 497 565 502 570 5.70E-10 74.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039259 29159 57.8 UdeM00000039259 XP_034312908.1 56.4 39
 17 0 3 41 6 44 6.70E-06 57.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039260 6579 99.4 UdeM00000039260 XP_033731721.1 38.8 160
 86 5 93 249 498 648 7.10E-18 99.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000039261 6565 70.9 UdeM00000039261 XP_022299013.1 52 75
 34 1 109 181 130 204 2.00E-09 70.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039262 41895 63.2 UdeM00000039262 XP_044262134.1 55 60
 26 1 420 478 539 598 1.10E-06 63.2 41895 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Tenebrionoidea;Tenebrionidae;Tenebrionidae incertae
 sedis;Tribolium;Tribolium madens
 UdeM00000039263 6596 230.3 UdeM00000039263 XP_045216699.1 66.1 168
 56 1 10 176 4 171 2.80E-57 230.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039264 6596 411.4 UdeM00000039264 XP_045197183.1 36.6 1270
 667 31 1 1203 1 1199 4.10E-111 411.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039265 6596 366.3 UdeM00000039265 XP_045196944.1 60.6 279
 110 0 1 279 74 352 3.50E-98 366.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039266 6596 396.4 UdeM00000039266 XP_045196944.1 57.5 320
 136 0 62 381 33 352 4.30E-107 396.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039267 6596 417.5 UdeM00000039267 XP_045196944.1 59.1 340
 135 1 12 347 13 352 1.60E-113 417.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028028 6565 490 UdeM00000028028 XP_022315266.1 41.1 669
 354 14 438 1090 494 1138 8.00E-135 490 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028029 6565 490 UdeM00000028029 XP_022315266.1 41.1 669
 354 14 435 1087 494 1138 8.00E-135 490 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028030 6596 76.3 UdeM00000028030 XP_045206721.1 30.3 201
 131 4 9 204 569 765 1.80E-10 76.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028031 6596 76.3 UdeM00000028031 XP_045206721.1 30.3 201
 131 4 9 204 569 765 1.00E-10 76.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028034 29159 110.2 UdeM00000028034 XP_034331441.1 34.5 223
 114 6 1 195 1 219 4.50E-21 110.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028036 6596 92 UdeM00000028036 XP_045209795.1 35 183
 110 4 13 190 1070 1248 3.10E-15 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028037 6596 92 UdeM00000028037 XP_045209795.1 35 183
 110 4 13 190 1070 1248 2.80E-15 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000028038 6596 92 UdeM00000028038 XP_045209795.1 35 183
 110 4 13 190 1070 1248 1.80E-15 92 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028040 6596 155.2 UdeM00000028040 XP_045171063.1 34.7 259
 154 6 2 249 41 295 1.80E-34 155.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028041 29159 78.2 UdeM00000028041 XP_034339171.1 36.2 116
 70 3 7 119 564 678 8.00E-12 78.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028042 1529436 58.2 UdeM00000028042 XP_033097181.1 31.1
 122 80 2 1 122 166 283 9.00E-06 58.2 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000028046 6596 88.6 UdeM00000028046 XP_045209795.1 33 185
 119 4 10 191 1063 1245 3.20E-14 88.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028047 6596 473 UdeM00000028047 XP_045205438.1 39.3 659
 336 11 494 1144 824 1426 1.10E-129 473 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028048 6596 381.7 UdeM00000028048 XP_045205438.1 40.2 532
 258 9 447 972 824 1301 2.80E-102 381.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028052 6565 520.4 UdeM00000028052 XP_022306197.1 45.2 699
 299 14 9 655 16 682 3.30E-144 520.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028053 6596 483.4 UdeM00000028053 XP_045206611.1 40.6 609
 337 10 399 997 507 1100 6.90E-133 483.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028057 6565 487.3 UdeM00000028057 XP_022315266.1 39.1 672
 352 11 559 1201 496 1139 5.70E-134 487.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028061 6596 88.2 UdeM00000028061 XP_045209795.1 29.3 181
125 1 20 197 1068 1248 3.20E-14 88.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028063 6596 82 UdeM00000028063 XP_045209795.1 39.6 139
73 5 11 145 191 322 2.60E-12 82 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028065 6596 948 UdeM00000028065 XP_045204866.1 61.7 998
303 9 3 986 186 1118 9.80E-273 948 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028066 6596 118.2 UdeM00000028066 XP_045171063.1 39.9 163
94 4 15 176 7 166 2.00E-23 118.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028068 29159 114.4 UdeM00000028068 XP_034331441.1 44.5 119
64 2 1 118 674 791 1.00E-22 114.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028071 6579 150.6 UdeM00000028071 XP_033743434.1 36.2 265
149 8 74 327 386 641 3.50E-33 150.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028072 6565 150.2 UdeM00000028072 XP_022325835.1 38 271
145 7 29 288 4 262 4.90E-33 150.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028073 6596 144.4 UdeM00000028073 XP_045203134.1 32.4 287
162 5 49 333 538 794 3.10E-31 144.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028074 6573 85.1 UdeM00000028074 XP_021371198.1 41.5 94
55 0 51 144 347 440 8.20E-14 85.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028075 6565 154.5 UdeM00000028075 XP_022326035.1 37.8 249
 133 5 64 303 159 394 2.30E-34 154.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028076 225164 126.3 UdeM00000028076 XP_009055444.1 54
 126 57 1 149 273 2 127 6.00E-26 126.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000028077 6565 209.1 UdeM00000028077 XP_022326322.1 65.4 159
 55 0 1 159 1 159 2.20E-50 209.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028078 6573 1696.4 UdeM00000028078 XP_021346210.1 69.4
 1201 350 6 8 1195 4 1200 0.00E+00 1696.4 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028079 6573 771.5 UdeM00000028079 XP_021346213.1 53.1 757
 295 10 1 745 2 710 9.50E-220 771.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028080 6596 237.7 UdeM00000028080 XP_045202769.1 43.5 283
 158 2 7 288 20 301 1.90E-59 237.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028081 6596 550.8 UdeM00000028081 XP_045202768.1 81.7 323
 57 1 9 331 10 330 1.20E-153 550.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028082 6596 308.1 UdeM00000028082 XP_045206528.1 55 278
 123 1 5 282 2 277 1.10E-80 308.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028083 6579 297.4 UdeM00000028083 XP_033741736.1 55.3 244
 109 0 82 325 347 590 2.30E-77 297.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028084 6579 559.7 UdeM00000028084 XP_033739131.1 64.6 396
 138 2 2 396 975 1369 3.00E-156 559.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000028085 6579 775.8 UdeM00000028085 XP_033743667.1 60.8 605
236 1 36 640 38 641 4.40E-221 775.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000028086 6596 254.2 UdeM00000028086 XP_045203393.1 55.1 243
104 2 47 289 11 248 2.00E-64 254.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028087 6596 7137 UdeM00000028087 XP_045206387.1 72.5 5027
1226 29 2 4996 23 4927 0.00E+00 7137 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028088 7739 102.4 UdeM00000028088 XP_035690387.1 42.6 122
64 2 60 175 12 133 9.20E-19 102.4 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma floridae
UdeM00000028089 7574 287.3 UdeM00000028089 XP_013388573.1 36.4 489
262 13 84 542 349 818 3.90E-74 287.3 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina
UdeM00000028090 29159 156 UdeM00000028090 XP_034320422.1 72.8 92
25 0 835 926 133 224 2.40E-34 156 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000028091 6573 94.7 UdeM00000028091 XP_021365625.1 49 96
49 0 55 150 31 126 1.90E-16 94.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000028092 400727 226.1 UdeM00000028092 XP_025085226.1 32.4
442 212 10 55 477 80 453 9.50E-56 226.1 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000028093 6596 416 UdeM00000028093 XP_045203481.1 44.5 470
246 7 1 460 211 675 6.20E-113 416 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000028094 6596 421 UdeM00000028094 XP_045203481.1 44.9 470
244 7 1 460 211 675 1.90E-114 421 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028095 6579 156.8 UdeM00000028095 XP_033742438.1 52.3 155
63 1 2 145 109 263 4.30E-35 156.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028096 6596 401.4 UdeM00000028096 XP_045203481.1 43.8 470
249 7 1 460 211 675 1.60E-108 401.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028097 6596 270.4 UdeM00000028097 XP_045203481.1 35.6 404
206 5 1 355 277 675 3.30E-69 270.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028098 6596 118.2 UdeM00000028098 XP_045203481.1 53.9 115
48 2 1 110 211 325 6.60E-24 118.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028099 6596 294.7 UdeM00000028099 XP_045203481.1 41 354
199 5 10 358 327 675 1.60E-76 294.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028100 6596 149.8 UdeM00000028100 XP_045203740.1 81 84
16 0 17 100 962 1045 4.10E-33 149.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028101 6596 336.7 UdeM00000028101 XP_045203481.1 42.1 442
195 8 1 384 211 649 4.00E-89 336.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028102 6596 786.9 UdeM00000028102 XP_045203740.1 52.8 1023
344 22 61 1028 122 1060 3.40E-224 786.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028103 7668 147.1 UdeM00000028103 XP_030839940.1 30.8 315
188 8 2 315 90 375 3.80E-32 147.1 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;

Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000028104 30732 188.7 UdeM00000028104 XP_024118320.1 44.7 208
113 2 14 221 409 614 7.80E-45 188.7 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Beloniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000028106 77115 136 UdeM00000028106 XP_038136846.1 45.9 172
72 4 6 174 8 161 4.70E-29 136 77115 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinodontini;Cyprinodon;Cyprinodon tularosa

UdeM00000028107 6565 1302.7 UdeM00000028107 XP_022326163.1 81.9
767 128 5 1 757 1 766 0.00E+00 1302.7 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028108 6596 245.7 UdeM00000028108 XP_045203745.1 57.1 219
86 1 1 219 1 211 5.40E-62 245.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028109 400727 566.2 UdeM00000028109 XP_025084839.1 55.1
546 206 9 1 516 1 537 4.20E-158 566.2 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000028111 6596 647.5 UdeM00000028111 XP_045203733.1 58.4 666
241 11 1 656 15 654 1.90E-182 647.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028110 6596 907.1 UdeM00000028110 XP_045203739.1 57.7 967
343 23 1 945 15 937 1.80E-260 907.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028112 6596 550.1 UdeM00000028112 XP_045203351.1 62.9 402
144 2 20 418 10 409 2.50E-153 550.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028113 6596 456.4 UdeM00000028113 XP_045203351.1 39.3 643
147 2 20 662 10 409 6.00E-125 456.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028115 6596 1158.7 UdeM00000028115 XP_045202943.1 43.1
1749 761 34 1 1589 32 1705 0.00E+00 1158.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028116 6579 238.4 UdeM00000028116 XP_033742571.1 61 223
75 8 1 213 1 221 8.30E-60 238.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028117 6596 252.3 UdeM00000028117 XP_045204092.1 61.9 226
66 10 1 208 1 224 5.40E-64 252.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028118 6596 318.5 UdeM00000028118 XP_045204093.1 55.4 278
122 2 5 280 12 289 8.40E-84 318.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028119 6596 221.1 UdeM00000028119 XP_045204491.1 23.6 658
474 10 16 655 16 662 4.20E-54 221.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028120 6596 117.5 UdeM00000028120 XP_045204491.1 35.4 192
114 5 1 188 1 186 2.10E-23 117.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028121 6596 62.4 UdeM00000028121 XP_045162054.1 28.8 125
87 1 1 125 434 556 4.80E-07 62.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028122 6596 203.8 UdeM00000028122 XP_045204491.1 24.8 678
480 12 1 662 1 664 7.00E-49 203.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028123 6596 1030.4 UdeM00000028123 XP_045204094.1 66.9
887 251 9 1336 2193 1448 2320 3.50E-297 1030.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028124 6579 323.9 UdeM00000028124 XP_033742758.1 65.6 250
84 2 19 267 4 252 1.90E-85 323.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028125 6579 324.7 UdeM00000028125 XP_033742758.1 65.6 250
84 2 5 253 4 252 1.10E-85 324.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028126 6573 1144.4 UdeM00000028126 XP_021348265.1 65.7
1181 377 7 10 1176 106 1272 0.00E+00 1144.4 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028127 6596 162.9 UdeM00000028127 XP_045204448.1 77.9 104
23 0 3 106 2 105 2.30E-37 162.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028128 1735272 479.9 UdeM00000028128 XP_041357227.1 38.6
699 318 10 1 697 1 590 7.20E-132 479.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028129 6596 369.8 UdeM00000028129 XP_045204446.1 54.5 279
125 1 340 616 325 603 9.40E-99 369.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028130 6596 400.2 UdeM00000028130 XP_045204446.1 59.2 282
113 1 389 668 329 610 6.70E-108 400.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028131 6596 400.2 UdeM00000028131 XP_045204446.1 59.2 282
113 1 390 669 329 610 6.70E-108 400.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000028133 29159 209.5 UdeM00000028133 XP_011440927.2 32.1 499
 254 13 7 470 61 509 1.80E-50 209.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028133 29159 65.1 UdeM00000028133 XP_011440927.2 60.5 43
 17 0 873 915 625 667 5.40E-07 65.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028134 6596 231.5 UdeM00000028134 XP_045176520.1 54.6 185
 79 3 27 211 41 220 1.00E-57 231.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028136 6596 230.3 UdeM00000028136 XP_045169996.1 49.2 242
 111 5 87 321 48 284 3.40E-57 230.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033740 6565 193 UdeM00000033740 XP_022343794.1 82.1 123
 21 1 259 381 312 433 7.10E-46 193 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033741 6596 657.5 UdeM00000033741 XP_045200102.1 54.1 796
 338 11 3 779 2 789 2.10E-185 657.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033742 6596 659.8 UdeM00000033742 XP_045200102.1 54.4 794
 337 11 3 777 2 789 4.20E-186 659.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033743 6596 198 UdeM00000033743 XP_045199597.1 79.4 131
 26 1 1 130 1 131 7.90E-48 198 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033744 1735272 872.1 UdeM00000033744 XP_041358344.1 71.1
 606 174 1 9 613 21 626 4.20E-250 872.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000033745 6596 857.1 UdeM00000033745 XP_045201009.1 50.2 922
 422 14 73 965 53 966 2.20E-245 857.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033746 6579 186.4 UdeM00000033746 XP_033729790.1 40.3 248
 143 2 10 257 17 259 5.20E-44 186.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033748 2652724 170.6 UdeM00000033748 XP_020913146.1 53.6
 166 77 0 166 331 177 342 3.80E-39 170.6 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000033749 6579 100.5 UdeM00000033749 XP_033760905.1 52.3 109
 39 3 5 107 983 1084 2.90E-18 100.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033750 225164 430.3 UdeM00000033750 XP_009050565.1 74.1
 270 70 0 25 294 71 340 2.10E-117 430.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000033751 6596 168.3 UdeM00000033751 XP_045200667.1 40.1 207
 118 3 45 247 16 220 1.20E-38 168.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033752 6579 72.8 UdeM00000033752 XP_033759690.1 39 123
 53 3 247 368 265 366 1.00E-09 72.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033753 6573 438.7 UdeM00000033753 XP_021349795.1 76.2 298
 63 6 1 292 1 296 6.00E-120 438.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033754 6579 486.1 UdeM00000033754 XP_033760193.1 77.1 323
 66 5 1 317 1 321 3.40E-134 486.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033755 6596 1470.3 UdeM00000033755 XP_045200451.1 56.2
 1170 505 6 236 1403 3 1167 0.00E+00 1470.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000033756 7574 137.9 UdeM00000033756 XP_013388573.1 37.6 229
 124 7 96 322 349 560 2.40E-29 137.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;
 Lingulidae;Lingula;Lingula anatina
 UdeM00000033757 6596 235 UdeM00000033757 XP_045200451.1 69.9 146
 43 1 49 194 1189 1333 8.50E-59 235 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000033758 46514 66.2 UdeM00000033758 XP_038049704.1 49.1 53
 27 0 24 76 1092 1144 4.10E-08 66.2 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatataceae;Valvatida;Asterinidae;
 Patiria;Patiria miniata
 UdeM00000033760 6596 271.2 UdeM00000033760 XP_045192533.1 65.8 187
 64 0 1 187 310 496 1.00E-69 271.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000033759 6596 672.9 UdeM00000033759 XP_045192533.1 65.2 486
 166 2 15 498 12 496 3.10E-190 672.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000033762 37653 337.4 UdeM00000033762 XP_014780771.1 63.2 315
 88 11 1 310 1 292 1.90E-89 337.4 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
 Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000033763 6596 396.4 UdeM00000033763 XP_045199906.1 58.2 342
 136 2 9 350 10 344 3.90E-107 396.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000033764 6579 1245 UdeM00000033764 XP_033759336.1 77 829
 167 4 1 828 1 806 0.00E+00 1245 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033765 400682 90.5 UdeM00000033765 XP_019848718.1 25.9
 359 201 10 499 847 373 676 1.10E-14 90.5 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscleromorpha;
 Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000033766 6596 217.2 UdeM00000033766 XP_045172484.1 25.6 648
 451 12 14 646 78 709 6.10E-53 217.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033767	1735272	82	UdeM00000033767	XP_041357572.1	54.2				
72	32	1	1	71	1	72	3.60E-13	82	1735272

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000033768	6596	263.8	UdeM00000033768	XP_045202366.1	73.3	176			
47	0	10	185	14	189	4.80E-67	263.8	6596	cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033769	7574	446.8	UdeM00000033769	XP_013387554.1	45	573			
271	22	2	543	1	560	3.90E-122	446.8	7574	cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000033771	6596	186	UdeM00000033771	XP_045201663.1	65.1	126			
44	0	1	126	124	249	3.00E-44	186	6596	cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033770	6596	248.1	UdeM00000033770	XP_045201663.1	66.9	166			
55	0	33	198	84	249	1.00E-62	248.1	6596	cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033772	10224	344	UdeM00000033772	XP_002736880.1	57.8	282			
117	2	33	312	36	317	2.50E-91	344	10224	cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus kowalevskii

UdeM00000033773	225164	60.5	UdeM00000033773	XP_009048402.1	70.7				
41	12	0	4	44	7	47	4.40E-06	60.5	225164

cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottiidae; Lottia; Lottia gigantea

UdeM00000033774	6596	433	UdeM00000033774	XP_045199400.1	63.2	326			
116	1	1	326	1	322	3.60E-118	433	6596	cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000033775	37621	131	UdeM00000033775	XP_014678336.1	44.7	159			
80	4	32	187	28	181	1.70E-27	131	37621	cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000033776 6596 661.4 UdeM00000033776 XP_045201655.1 60.5 615
 173 13 8 613 38 591 1.10E-186 661.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033777 6596 260.4 UdeM00000033777 XP_045192533.1 43.6 280
 153 3 6 284 221 496 2.70E-66 260.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033778 6596 234.2 UdeM00000033778 XP_045192533.1 58.7 189
 75 3 24 211 22 208 1.60E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033779 6596 499.6 UdeM00000033779 XP_045192533.1 48.5 480
 237 7 1 479 26 496 4.50E-138 499.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033780 6596 305.8 UdeM00000033780 XP_045159519.1 41 390
 228 2 14 403 18 405 8.10E-80 305.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033781 6596 486.9 UdeM00000033781 XP_045192533.1 49 471
 230 7 1 470 35 496 2.90E-134 486.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033782 6596 190.7 UdeM00000033782 XP_045198056.1 27.1 547
 180 7 52 382 31 574 3.60E-45 190.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033783 6596 452.2 UdeM00000033783 XP_045198056.1 44.3 531
 270 6 12 519 7 534 9.20E-124 452.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033784 6596 201.8 UdeM00000033784 XP_045203895.1 56.6 159
 67 1 2 160 26 182 6.40E-49 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000033785 6579 324.3 UdeM00000033785 XP_033761118.1 65.9 223
 76 0 9 231 16 238 1.20E-85 324.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000033786 7029 67 UdeM00000033786 XP_008182687.1 54.5 66
 22 3 3 61 4 68 1.10E-08 67 7029 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Hemiptera;Sternorrhyncha;A
 phidomorpha;Aphidoidea;Aphididae;Aphidinae;Macrosiphini;Acyrtosiphon;Acy
 rthosiphon pisum
 UdeM00000033787 400727 94.4 UdeM00000033787 XP_025078573.1 33.2
 184 83 3 42 188 1784 1964 1.70E-16 94.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000033788 400727 94.7 UdeM00000033788 XP_025078573.1 32.7
 205 92 4 13 174 1763 1964 1.20E-16 94.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000033789 29159 163.3 UdeM00000033789 XP_011435143.2 33.2 271
 166 6 4 265 119 383 4.30E-37 163.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000033790 6596 241.1 UdeM00000033790 XP_045201086.1 31.4 481
 319 6 21 501 34 503 3.10E-60 241.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000033791 6565 193.7 UdeM00000033791 XP_022336074.1 46.7 225
 97 4 2 211 3 219 2.30E-46 193.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000033793 6573 327 UdeM00000033793 XP_021374282.1 63.9 338
 106 6 3 335 40 366 3.00E-86 327 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000033792 6579 902.1 UdeM00000033792 XP_033760049.1 66.3 872
 257 12 3 862 40 886 5.70E-259 902.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021695 6596 97.1 UdeM00000021695 XP_045179815.1 43 121
 65 1 82 198 135 255 2.90E-17 97.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021696 6596 100.1 UdeM00000021696 XP_045164335.1 22.7 278
 152 1 5 282 279 493 7.50E-18 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021697 6573 102.4 UdeM00000021697 XP_021348968.1 44.1 102
 53 1 112 209 3072 3173 1.30E-18 102.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021700 46731 100.9 UdeM00000021700 XP_027060110.1 32.4 170
 102 3 8 173 1416 1576 2.80E-18 100.9 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000021701 46731 99.4 UdeM00000021701 XP_027060110.1 32.8 177
 95 6 8 166 1416 1586 4.90E-18 99.4 46731 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Pocillopora;Pocillopor
 a damicornis
 UdeM00000021702 2652724 134.4 UdeM00000021702 XP_028512668.1 37.3
 193 111 4 40 227 205 392 3.10E-28 134.4 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000021703 2652724 158.7 UdeM00000021703 XP_028512668.1 37.4
 214 122 5 21 227 184 392 1.50E-35 158.7 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000021704 2652724 159.8 UdeM00000021704 XP_028512668.1 34.6
 257 156 5 78 327 141 392 8.60E-36 159.8 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000021707 30069 127.5 UdeM00000021707 XP_035913094.1 48.3 120
 59 2 105 223 317 434 2.40E-26 127.5 30069 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culico
 morpha;Culicoidea;Culicidae;Anophelinae;Anopheles;Cellia;Neocellia;Anophe
 les stephensi
 UdeM00000021708 6565 541.2 UdeM00000021708 XP_022343964.1 52.8 544
 240 5 1 529 682 1223 1.50E-150 541.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021717 6596 447.2 UdeM00000021717 XP_045208259.1 51.5 439
 209 4 1 438 110 545 2.50E-122 447.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021730 7741 75.5 UdeM00000021730 XP_019638973.1 31.8 170
103 4 67 223 128 297 1.10E-10 75.5 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000021732 6573 83.6 UdeM00000021732 XP_021358581.1 32.1 137
85 3 190 322 614 746 7.80E-13 83.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021733 42254 63.5 UdeM00000021733 XP_004619559.1 27.7 188
110 6 134 314 55 223 5.50E-07 63.5 42254 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria;Boreoeutheria;Laurasiatheria;Eulipotyphla;Soricidae;Soricinae;Sorex;Sorex araneus

UdeM00000021734 6573 79 UdeM00000021734 XP_021354371.1 32.6 138
74 3 178 311 246 368 1.50E-11 79 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021735 6573 79 UdeM00000021735 XP_021354371.1 32.6 138
74 3 178 311 246 368 1.40E-11 79 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021736 6596 107.8 UdeM00000021736 XP_045209449.1 29 238
145 8 66 293 295 518 3.90E-20 107.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021737 6596 107.8 UdeM00000021737 XP_045209449.1 29 238
145 8 66 293 295 518 4.00E-20 107.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021738 400727 224.6 UdeM00000021738 XP_025079408.1 42.5
294 143 10 11 298 2 275 4.30E-55 224.6 400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000021740 6596 1075.8 UdeM00000021740 XP_045184898.1 67.6
743 240 1 17 759 285 1026 0.00E+00 1075.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021741 6596 123.2 UdeM00000021741 XP_045184898.1 30.8 237
 145 5 2 219 47 283 4.00E-25 123.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021742 2607531 92.4 UdeM00000021742 XP_029634328.1 33.2
 238 119 8 41 265 54 264 9.10E-16 92.4 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000021743 6596 97.1 UdeM00000021743 XP_045183763.1 41.9 93
 54 0 10 102 35 127 2.10E-17 97.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021744 6412 78.2 UdeM00000021744 XP_009012286.1 34.5 119
 74 2 2 117 3 120 7.90E-12 78.2 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000021745 202533 251.1 UdeM00000021745 XP_035218899.1 40.5
 304 176 3 1 299 165 468 1.70E-63 251.1 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000021747 6579 501.9 UdeM00000021747 XP_033725536.1 62.7 373
 124 3 1 358 639 1011 6.70E-139 501.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021748 29159 451.4 UdeM00000021748 XP_034322015.1 66 353
 117 1 321 670 225 577 1.90E-123 451.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021749 6596 238.4 UdeM00000021749 XP_045183144.1 36.2 505
 257 14 3 477 62 531 1.80E-59 238.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021750 6579 884.8 UdeM00000021750 XP_033725536.1 58.1 756
 306 5 130 877 259 1011 9.00E-254 884.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021752 6596 309.3 UdeM00000021752 XP_045183396.1 70.3 202
 59 1 1 202 539 739 3.60E-81 309.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021751 6579 926.8 UdeM00000021751 XP_033725535.1 61.7 749
 273 5 133 869 285 1031 2.00E-266 926.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021753 6579 926 UdeM00000021753 XP_033725535.1 61.5 749
 272 5 26 761 286 1031 3.10E-266 926 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021755 6573 567 UdeM00000021755 XP_021341211.1 62.9 466
 137 4 33 491 39 475 2.30E-158 567 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021756 6596 331.6 UdeM00000021756 XP_045183782.1 50.2 311
 150 4 83 389 74 383 1.30E-87 331.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021759 29159 65.1 UdeM00000021759 XP_034329457.1 44.4 72
 35 1 52 123 451 517 7.70E-08 65.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;
 Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021760 6596 167.5 UdeM00000021760 XP_045157080.1 53.3 150
 70 0 91 240 93 242 2.30E-38 167.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021762 6596 97.1 UdeM00000021762 XP_045210122.1 35.2 145
 86 5 11 150 43 184 2.20E-17 97.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000021763 6579 148.3 UdeM00000021763 XP_033747151.1 41.8 182
 98 3 1081 1258 35 212 6.60E-32 148.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021764 6579 154.5 UdeM00000021764 XP_033747151.1 43.2 183
 94 4 144 321 35 212 2.40E-34 154.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021765 6579 154.5 UdeM00000021765 XP_033747151.1 43.2 183
 94 4 113 290 35 212 2.20E-34 154.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028350 6596 128.6 UdeM00000028350 XP_045166864.1 45.3 117
64 0 24 140 35 151 1.00E-26 128.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028353 6596 79.7 UdeM00000028353 XP_045166864.1 40.7 108
52 4 2 99 296 401 2.40E-12 79.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028356 6596 522.3 UdeM00000028356 XP_045174854.1 67.1 377
124 0 1 377 1 377 5.20E-145 522.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028357 6596 503.8 UdeM00000028357 XP_045174854.1 67.2 363
119 0 2 364 15 377 1.80E-139 503.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028358 6596 85.9 UdeM00000028358 XP_045174627.1 33.2 193
96 7 9 195 7 172 6.60E-14 85.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028359 6596 447.2 UdeM00000028359 XP_045174619.1 33.4 908
445 12 2 893 300 1063 5.30E-122 447.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028360 6596 1272.3 UdeM00000028360 XP_045174627.1 41.1
1873 988 26 3 1858 1126 2900 0.00E+00 1272.3 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000028361 45264 114.8 UdeM00000028361 XP_044175508.1 31.9 354
144 9 5 270 9 353 1.90E-22 114.8 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000028362 6579 688 UdeM00000028362 XP_033753287.1 69.6 474
140 2 26 498 71 541 1.20E-194 688 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028363 7574 223.4 UdeM00000028363 XP_013401431.1 63 184
68 0 21 204 558 741 2.70E-55 223.4 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000028364 6596 426.4 UdeM00000028364 XP_045177169.1 63.6 313
108 3 52 359 41 352 3.90E-116 426.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028365 6596 976.5 UdeM00000028365 XP_045174896.1 72.4 680
171 7 15 692 8 672 1.80E-281 976.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028366 29159 64.3 UdeM00000028366 XP_011453142.2 43.5 92
43 2 1 83 246 337 1.20E-07 64.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028367 6596 327.8 UdeM00000028367 XP_045175083.1 66.4 241
74 4 1 239 1 236 1.20E-86 327.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028368 6596 162.2 UdeM00000028368 XP_045175083.1 70.2 104
31 0 5 108 48 151 4.40E-37 162.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028369 6579 204.9 UdeM00000028369 XP_033746484.1 40.7 285
153 7 29 308 28 301 1.50E-49 204.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028370 29159 104 UdeM00000028370 XP_011414701.2 29.1 350
195 11 3 307 1 342 3.70E-19 104 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028371 6596 345.1 UdeM00000028371 XP_045174871.1 89.4 180
18 1 1 179 90 269 5.30E-92 345.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000028372 6573 422.2 UdeM00000028372 XP_021348000.1 55.6 376
94 2 477 851 49 352 1.60E-114 422.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028373 400727 112.8 UdeM00000028373 XP_025108466.1 53.6
110 50 1 3 112 235 343 4.00E-22 112.8 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000028374 10224 70.1 UdeM00000028374 XP_006813844.1 41.1 90
53 0 1 90 128 217 1.70E-09 70.1 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus

kowalevskii

UdeM00000028375 1735272 280 UdeM00000028375 XP_041356130.1 32.8
473 282 8 106 549 865 1330 6.60E-72 280 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028376 6596 900.6 UdeM00000028376 XP_045174915.1 47.5 972
484 9 30 993 36 989 1.80E-258 900.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028377 6596 792.7 UdeM00000028377 XP_045174915.1 46.8 884
448 7 1 879 123 989 4.70E-226 792.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028378 210409 96.3 UdeM00000028378 XP_045122094.1 73.6
53 14 0 99 151 333 385 3.60E-17 96.3 210409

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Brachyura;Eubrachyura;Heterotremata;Portunoidea;Portunidae;Portunus;Portunus trituberculatus

UdeM00000028379 6579 583.9 UdeM00000028379 XP_033751467.1 71.8 387
103 1 9 389 10 396 1.60E-163 583.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028380 6565 153.3 UdeM00000028380 XP_022297447.1 53 132
61 1 1 131 150 281 2.20E-34 153.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028381 6596 392.1 UdeM00000028381 XP_045197974.1 36.1 778
333 18 1 756 1 636 1.60E-105 392.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028382 1735272 68.6 UdeM00000028382 XP_041367400.1 51.2
84 39 2 1 84 1 82 4.80E-09 68.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000028383 6596 181.4 UdeM00000028383 XP_045175452.1 66.2 136
42 3 214 346 208 342 2.90E-42 181.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028384 6596 224.9 UdeM00000028384 XP_045177247.1 66.7 159
52 1 8 165 106 264 7.30E-56 224.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028385 6596 114.4 UdeM00000028385 XP_045177247.1 62.5 96
34 1 11 104 10 105 1.00E-22 114.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028386 37653 161.8 UdeM00000028386 XP_014784652.1 72 118
17 2 1 118 1 102 1.20E-36 161.8 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000028387 6573 473 UdeM00000028387 XP_021345838.1 83.3 258
43 0 22 279 121 378 2.60E-130 473 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000028388 37653 224.9 UdeM00000028388 XP_014789154.1 78.4 134
23 2 1 134 1 128 1.10E-55 224.9 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000028389 6565 86.3 UdeM00000028389 XP_022297447.1 28 250
73 6 1 143 117 366 3.60E-14 86.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000028390 7739 85.5 UdeM00000028390 XP_035686596.1 27.5 262
132 8 1 213 1 253 9.30E-14 85.5 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000028391 225164 318.9 UdeM00000028391 XP_009051441.1 88.3
180 20 1 1 179 1 180 4.00E-84 318.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000028392 6579 370.9 UdeM00000028392 XP_033751567.1 49.8 412
187 7 8 415 99 494 2.10E-99 370.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000028393 6579 379.8 UdeM00000028393 XP_033751567.1 49 433
200 8 88 516 79 494 5.60E-102 379.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036822 6596 142.5 UdeM00000036822 XP_045201962.1 42.2 185
83 4 103 263 73 257 9.90E-31 142.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036823 6565 149.1 UdeM00000036823 XP_022321780.1 47.3 146
75 2 5 148 6 151 5.00E-33 149.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036824 6565 152.5 UdeM00000036824 XP_022321780.1 45.7 173
81 4 4 163 5 177 4.60E-34 152.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036825 7574 152.9 UdeM00000036825 XP_013421302.1 44.1 170
84 4 2 162 3 170 3.50E-34 152.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036826 6579 149.1 UdeM00000036826 XP_033750443.1 44.2 154
85 1 2 154 3 156 5.00E-33 149.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036827 6579 151.8 UdeM00000036827 XP_033750443.1 44.8 154
84 1 2 154 3 156 7.80E-34 151.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036828 6579 145.2 UdeM00000036828 XP_033750443.1 43.5 154
86 1 2 154 3 156 7.30E-32 145.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036829 6579 145.2 UdeM00000036829 XP_033750443.1 43.5 154
86 1 2 154 3 156 7.30E-32 145.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036830 6579 145.2 UdeM00000036830 XP_033750443.1 43.5 154
 86 1 2 154 3 156 7.30E-32 145.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036831 7574 149.4 UdeM00000036831 XP_013421302.1 43.9 164
 82 3 2 156 3 165 3.90E-33 149.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000036832 1735272 80.5 UdeM00000036832 XP_041347671.1 25.9
 266 173 7 16 273 16 265 3.90E-12 80.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000036833 6596 716.1 UdeM00000036833 XP_045209932.1 58.7 566
 222 5 36 597 84 641 3.80E-203 716.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036834 29159 356.7 UdeM00000036834 XP_011455099.1 82.8 227
 30 3 1 225 1 220 2.20E-95 356.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036835 6596 62.8 UdeM00000036835 XP_045201869.1 43.7 71
 40 0 11 81 622 692 2.90E-07 62.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036837 6596 301.6 UdeM00000036837 XP_045201869.1 30.7 709
 452 12 11 699 10 699 2.60E-78 301.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036838 6596 187.6 UdeM00000036838 XP_045156697.1 31.7 454
 275 9 1 439 269 702 3.60E-44 187.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036839 6596 110.2 UdeM00000036839 XP_045158373.1 31.7 227
 139 6 8 223 7 228 3.70E-21 110.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036840 6596 125.9 UdeM00000036840 XP_045156924.1 33.6 232
 140 3 92 317 464 687 9.40E-26 125.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036841 6596 105.5 UdeM00000036841 XP_045171977.1 33.7 202
127 4 4 201 3 201 7.90E-20 105.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036842 6596 313.5 UdeM00000036842 XP_045201869.1 31.8 717
448 10 4 699 3 699 6.70E-82 313.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036843 6596 298.1 UdeM00000036843 XP_045201869.1 31.2 718
437 17 11 699 10 699 2.90E-77 298.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036844 6596 268.9 UdeM00000036844 XP_045201222.1 75.8 182
44 0 5 186 8 189 7.10E-69 268.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036845 1735272 349 UdeM00000036845 XP_041352378.1 63.7
259 93 1 1 259 1 258 5.30E-93 349 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036846 6596 707.2 UdeM00000036846 XP_045199863.1 70.8 586
142 5 1 567 1 576 1.80E-200 707.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036847 6596 706.1 UdeM00000036847 XP_045199863.1 71 582
144 5 1 563 1 576 4.10E-200 706.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036849 6596 750.7 UdeM00000036849 XP_045199863.1 77.3 493
83 5 12 483 623 1107 1.10E-213 750.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036853 225164 481.1 UdeM00000036853 XP_009050498.1 40
605 336 6 32 615 23 621 2.10E-132 481.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000036857 6596 436 UdeM00000036857 XP_045200044.1 55.8 387
167 3 14 399 16 399 5.00E-119 436 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036858 6596 466.5 UdeM00000036858 XP_045200044.1 56.9 406
162 6 1 400 1 399 3.50E-128 466.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000036860 1735272 248.1 UdeM00000036860 XP_041372570.1 54.7
201 78 1 1 188 94 294 9.20E-63 248.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036861 259920 146.7 UdeM00000036861 XP_020388871.1 60.2
98 39 0 3 100 161 258 1.50E-32 146.7 259920

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi i;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Rhincodontidae;Rhincod on;Rhincodon typus

UdeM00000036862 441366 126.7 UdeM00000036862 XP_028318793.1 53.5
101 47 0 2 102 657 757 1.70E-26 126.7 441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000036863 6573 284.3 UdeM00000036863 XP_021339447.1 37.8 410
240 8 158 559 5 407 3.40E-73 284.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036864 1735272 1927.5 UdeM00000036864 XP_041350117.1
35.8 3481 1797 70 692 3857 39 3396 0.00E+00 1927.5

1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036865 6596 395.2 UdeM00000036865 XP_045163590.1 34.9 743
443 15 156 878 23 744 4.70E-106 395.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036866 1735272 1770 UdeM00000036866 XP_041350117.1 46.6
2061 1041 26 14 2054 1376 3396 0.00E+00 1770 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036867 6596 235.7 UdeM00000036867 XP_045163590.1 31.3 549
344 15 1 529 209 744 1.80E-58 235.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036869 6596 389 UdeM00000036869 XP_045163590.1 34.5 743
442 14 18 738 25 744 3.10E-104 389 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036870 10224 595.1 UdeM00000036870 XP_006822956.1 25 2384
1425 68 24 2308 274 2394 3.80E-166 595.1 10224 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus kowalevskii

UdeM00000036871 1735272 1694.5 UdeM00000036871 XP_041350117.1
45.4 2042 1008 29 33 2009 1397 3396 0.00E+00 1694.5
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036872 400682 64.7 UdeM00000036872 XP_003390251.1 27.7
202 50 3 12 117 432 633 9.00E-08 64.7 400682
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscleromorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000036873 400682 58.5 UdeM00000036873 XP_003390251.1 37
92 55 2 12 101 432 522 5.70E-06 58.5 400682
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscleromorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000036874 158441 129 UdeM00000036874 XP_021948043.1 39.4
155 94 0 1 155 160 314 6.00E-27 129 158441
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Collembola;Entomobryomorpha;Isotomoidea;Isotomidae;Proisotominae;Folsomia;Folsomia candida

UdeM00000036875 77115 58.2 UdeM00000036875 XP_038157148.1 45.8 59
30 1 7 65 2 58 6.60E-06 58.2 77115 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorphae;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinod
ontini;Cyprinodon;Cyprinodon tularosa
UdeM00000036876 10224 60.5 UdeM00000036876 XP_006816028.1 42 69
38 1 17 83 23 91 1.20E-06 60.5 10224 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
kowalevskii
UdeM00000036877 6596 178.7 UdeM00000036877 XP_045206316.1 54.5 156
70 1 26 180 123 278 6.60E-42 178.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036878 6596 246.9 UdeM00000036878 XP_045163590.1 30.6 569
361 12 21 566 183 740 1.40E-61 246.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036880 1735272 948 UdeM00000036880 XP_041350117.1 38
1520 767 21 16 1375 1185 2689 1.40E-272 948 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000036881 1735272 698 UdeM00000036881 XP_041350117.1 53.5
695 269 12 23 686 2725 3396 1.70E-197 698 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000036882 13397 74.7 UdeM00000036882 XP_041063318.1 23.7 274
187 7 3 272 974 1229 2.70E-10 74.7 13397 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi
i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo
don;Carcharodon carcharias
UdeM00000036883 6579 73.9 UdeM00000036883 XP_033728465.1 25.7 202
132 6 345 534 311 506 8.30E-10 73.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000036884 6596 157.5 UdeM00000036884 XP_045160398.1 74.3 101
26 0 1 101 1 101 9.10E-36 157.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000036886 6596 585.1 UdeM00000036886 XP_045200985.1 72.4 406
96 6 7 400 49 450 6.70E-164 585.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036887 7574 154.8 UdeM00000036887 XP_013412365.1 45.2 188
 102 1 37 224 38 224 1.30E-34 154.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000036889 29159 682.2 UdeM00000036889 XP_034329951.1 71.7 417
 118 0 2 418 16 432 4.20E-193 682.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036888 225164 772.3 UdeM00000036888 XP_009050439.1 73.3
 479 125 3 1 478 1 477 3.60E-220 772.3 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000036890 6596 247.3 UdeM00000036890 XP_045201951.1 46.7 285
 141 4 11 286 7 289 2.40E-62 247.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036891 7604 677.9 UdeM00000036891 XP_033647599.1 30.4 2196
 1334 67 695 2768 323 2446 5.40E-191 677.9 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteriidae;Asterias;Asterias rubens
 UdeM00000036892 7604 694.9 UdeM00000036892 XP_033647599.1 31 2190
 1302 68 710 2768 335 2446 4.30E-196 694.9 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteriidae;Asterias;Asterias rubens
 UdeM00000036895 6105 60.5 UdeM00000036895 XP_031570589.1 32.1 106
 67 3 87 191 97 198 3.60E-06 60.5 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000036896 6573 155.2 UdeM00000036896 XP_021360016.1 22.1 972
 609 33 97 996 1134 2029 7.30E-34 155.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036897 7604 649 UdeM00000036897 XP_033647599.1 29.6 2186
 1336 67 638 2697 337 2446 2.60E-182 649 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteriidae;Asterias;Asterias rubens
 UdeM00000036902 6596 494.6 UdeM00000036902 XP_045200585.1 66.5 430
 138 2 1 430 10 433 1.30E-136 494.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036903 6565 474.6 UdeM00000036903 XP_022344763.1 75.5 294
 72 0 1 294 1 294 9.40E-131 474.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036904 400727 178.7 UdeM00000036904 XP_025091735.1 36.8
 272 161 3 1 261 1 272 9.60E-42 178.7 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000036905 29159 294.3 UdeM00000036905 XP_034316161.1 44.6 332
 183 1 1 331 645 976 3.70E-76 294.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036906 6596 2594.3 UdeM00000036906 XP_045200664.1 75.6
 1761 398 11 1 1742 1 1749 0.00E+00 2594.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036907 6596 2556.2 UdeM00000036907 XP_045200664.1 74.7
 1761 414 11 1 1742 1 1749 0.00E+00 2556.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036910 6596 94 UdeM00000036910 XP_045169614.1 21.3 506
 339 14 191 650 406 898 7.70E-16 94 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036911 6596 90.1 UdeM00000036911 XP_045169614.1 20.5 507
 340 12 144 602 407 898 1.00E-14 90.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036917 6579 540.8 UdeM00000036917 XP_033760433.1 49 621
 289 11 3 607 281 889 2.30E-150 540.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036918 6579 110.5 UdeM00000036918 XP_033759967.1 48.9 131
 46 6 89 215 49 162 5.00E-21 110.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036919 7955 239.6 UdeM00000036919 XP_005171336.1 53.8 210
 93 2 112 320 1039 1245 5.60E-60 239.6 7955 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
idei;Danionidae;Danioninae;Danio;Danio rerio

UdeM00000036920 45264 156.4 UdeM00000036920 XP_044165918.1 32.6 316
133 9 23 264 45 354 5.10E-35 156.4 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora

UdeM00000036921 7955 235 UdeM00000036921 XP_005171336.1 53.8 210
93 2 112 320 1039 1245 1.40E-58 235 7955 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprino
idei;Danionidae;Danioninae;Danio;Danio rerio

UdeM00000036922 6596 236.5 UdeM00000036922 XP_045185790.1 55 209
91 2 32 240 103 308 3.50E-59 236.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000036923 6596 416.8 UdeM00000036923 XP_045200137.1 58.6 367
139 5 1 356 8 372 3.50E-113 416.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000044461 6573 250 UdeM00000044461 XP_021361303.1 79.9 154
31 0 20 173 274 427 2.70E-63 250 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035990 6596 620.2 UdeM00000035990 XP_045207931.1 57.1 714
232 12 35 702 28 713 3.30E-174 620.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000035991 6579 103.6 UdeM00000035991 XP_033731721.1 39.2 158
88 3 130 286 498 648 4.40E-19 103.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035992 6565 94 UdeM00000035992 XP_022287605.1 29.4 204
117 6 1 186 126 320 2.40E-16 94 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035993 215358 122.1 UdeM00000035993 XP_027132200.1 41
166 88 4 1 165 36 192 7.00E-25 122.1 215358
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Eupercaria incertae sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000035994 30732 178.7 UdeM00000035994 XP_024118320.1 40.9 235
130 5 2 235 321 547 8.60E-42 178.7 30732 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Beloniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000035995 1250792 79.3 UdeM00000035995 XP_041861567.1 52.4
63 30 0 28 90 606 668 2.70E-12 79.3 1250792
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Atheriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000035996 77115 310.5 UdeM00000035996 XP_038133904.1 55.5 272
94 2 11 257 13 282 2.10E-81 310.5 77115 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoidei;Cyprinodontidae;Cyprinodontinae;Cyprinodontini;Cyprinodon;Cyprinodon tularosa

UdeM00000035999 6596 1245 UdeM00000035999 XP_045208754.1 51.8 1107
472 14 15 1083 469 1551 0.00E+00 1245 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036000 6596 403.3 UdeM00000036000 XP_045208754.1 54.3 311
138 3 4 311 1130 1439 2.90E-109 403.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036003 6596 216.5 UdeM00000036003 XP_045185723.1 37.9 346
192 6 7 345 455 784 7.90E-53 216.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036004 6596 460.7 UdeM00000036004 XP_045208754.1 49.3 430
197 6 10 420 43 470 2.30E-126 460.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000036005 29159 103.2 UdeM00000036005 XP_034315421.1 54.7 106
 43 2 145 246 370 474 4.80E-19 103.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036006 6565 226.1 UdeM00000036006 XP_022306954.1 40.3 303
 144 6 165 435 651 948 8.70E-56 226.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036006 6565 120.2 UdeM00000036006 XP_022306954.1 33.5 227
 118 4 1 214 4 210 6.70E-24 120.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036008 29159 563.9 UdeM00000036008 XP_034322147.1 55.8 473
 207 1 1 471 481 953 1.90E-157 563.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036011 29159 140.6 UdeM00000036011 XP_011440692.3 42.8 194
 95 5 68 256 271 453 2.80E-30 140.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036012 6596 152.1 UdeM00000036012 XP_045209135.1 54 139
 64 0 1 139 1 139 3.90E-33 152.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036013 2607531 110.9 UdeM00000036013 XP_029635723.1 55.6
 90 40 0 10 99 26 115 9.40E-22 110.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000036014 6579 685.3 UdeM00000036014 XP_033732622.1 33.4 1609
 826 42 12 1503 12 1492 1.80E-193 685.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036016 6579 182.2 UdeM00000036016 XP_033731819.1 55.4 166
 71 3 3 165 169 334 1.00E-42 182.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036017 6596 186 UdeM00000036017 XP_045207908.1 36.1 355
 211 6 8 354 116 462 8.10E-44 186 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036019 6579 186.4 UdeM00000036019 XP_033731819.1 47.9 215
 102 5 8 218 126 334 6.30E-44 186.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036018 6596 296.6 UdeM00000036018 XP_045207908.1 40 465
 258 8 7 460 8 462 5.50E-77 296.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036020 6596 127.1 UdeM00000036020 XP_045207910.1 50 128
 59 2 4 128 5 130 2.20E-26 127.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036021 6596 117.9 UdeM00000036021 XP_045207909.1 50.9 110
 49 2 7 113 8 115 8.90E-24 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036022 6596 312.4 UdeM00000036022 XP_045207908.1 46.9 416
 187 12 5 409 1 393 1.00E-81 312.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036024 6596 196.4 UdeM00000036024 XP_045207908.1 55 180
 78 3 22 199 147 325 3.80E-47 196.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036025 6596 86.7 UdeM00000036025 XP_045207910.1 47.8 92
 45 1 9 97 5 96 3.00E-14 86.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036027 6565 118.6 UdeM00000036027 XP_022287605.1 38.9 167
 82 5 7 169 123 273 7.60E-24 118.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036028 6596 201.8 UdeM00000036028 XP_045207816.1 60.7 168
 63 1 2 169 6 170 7.10E-49 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036029 6596 377.1 UdeM00000036029 XP_045207816.1 61.6 302
 113 1 2 303 6 304 2.20E-101 377.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036030 29159 99.4 UdeM00000036030 XP_011422687.2 34.1 170
 67 5 4 132 5 170 3.80E-18 99.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036031 6596 286.2 UdeM00000036031 XP_045209457.1 39.1 376
 184 7 1 340 1 367 5.50E-74 286.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036032 6596 1234.9 UdeM00000036032 XP_045209360.1 51.4
 1188 555 11 86 1262 54 1230 0.00E+00 1234.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041790 6596 195.3 UdeM00000041790 XP_045209743.1 31.6 475
 261 15 49 464 73 542 1.70E-46 195.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041791 6596 132.5 UdeM00000041791 XP_045209743.1 31.7 309
 162 7 20 281 236 542 8.50E-28 132.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000041792 6573 1722.2 UdeM00000041792 XP_021353973.1 41
 2539 1182 51 15 2368 7 2413 0.00E+00 1722.2 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041793 6579 1767.7 UdeM00000041793 XP_033733062.1 43.8
 2581 1175 41 1 2555 85 2416 0.00E+00 1767.7 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041794 6579 64.3 UdeM00000041794 XP_033733062.1 62.5 48
 18 0 18 65 4 51 8.10E-08 64.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041795 7739 63.2 UdeM00000041795 XP_035699356.1 30.1 136
 88 5 54 186 910 1041 4.20E-07 63.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000041799 6596 79.3 UdeM00000041799 XP_045208815.1 29.6 274
 142 11 1 239 2177 2434 7.50E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041800 6573 101.3 UdeM00000041800 XP_021353973.1 43.4 113
 60 1 50 162 2021 2129 1.20E-18 101.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041801 6565 660.2 UdeM00000041801 XP_022301680.1 65.5 502
 171 2 221 721 980 1480 3.10E-186 660.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041801 6565 68.9 UdeM00000041801 XP_022301680.1 53.3 60
 28 0 150 209 365 424 3.00E-08 68.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041805 6573 886.3 UdeM00000041805 XP_021353973.1 49.7 974
 408 11 106 1057 1363 2276 3.70E-254 886.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041807 6596 75.9 UdeM00000041807 XP_045208818.1 47.5 118
 52 4 120 232 820 932 7.80E-11 75.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041808 6596 138.7 UdeM00000041808 XP_045208815.1 59.3 118
 48 0 16 133 332 449 8.50E-30 138.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041810 7574 63.5 UdeM00000041810 XP_013383008.1 29.5 139
 80 5 51 182 1197 1324 3.20E-07 63.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000041811 29159 63.5 UdeM00000041811 XP_034307860.1 57.4 54
 23 0 1 54 1 54 1.30E-07 63.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041812 7574 63.9 UdeM00000041812 XP_013383008.1 29.5 139
 80 5 51 182 1197 1324 2.40E-07 63.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000041813 6573 1892.5 UdeM00000041813 XP_021353973.1 45.3
 2565 1201 41 21 2532 7 2423 0.00E+00 1892.5 6573
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041815 6596 682.6 UdeM00000041815 XP_045208818.1 49 741
 361 7 7 741 9 738 8.80E-193 682.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041816 6596 649.8 UdeM00000041816 XP_045208818.1 48.2 734
 345 6 7 714 9 733 6.20E-183 649.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041817 6596 679.1 UdeM00000041817 XP_045208818.1 48.3 744
 373 5 7 746 9 744 1.00E-191 679.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041818 6573 688.7 UdeM00000041818 XP_021380358.1 60.9 575
 177 4 60 618 32 574 6.80E-195 688.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041819 1735272 103.2 UdeM00000041819 XP_041372365.1 59.3
 81 32 1 1 80 1 81 1.60E-19 103.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041820 1735272 102.4 UdeM00000041820 XP_041372365.1 59.3
 81 32 1 1 80 1 81 3.20E-19 102.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000041821 6565 107.1 UdeM00000041821 XP_022302274.1 42.4 139
 79 1 122 260 127 264 3.80E-20 107.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041823 6573 232.3 UdeM00000041823 XP_021367508.1 18 1025
 811 6 181 1191 39 1047 3.90E-57 232.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000041824 6596 328.9 UdeM00000041824 XP_045209362.1 50.6 352
166 2 1 344 1 352 7.50E-87 328.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041825 6105 205.3 UdeM00000041825 XP_031564011.1 33.5 397
224 11 15 398 84 453 1.50E-49 205.3 6105 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexacorallia; Actiniaria; Actiniidae; Actinia; Actinia tenebrosa

UdeM00000041826 6596 84.3 UdeM00000041826 XP_045203158.1 32.1 131
88 1 1 130 685 815 1.50E-13 84.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041827 6596 276.2 UdeM00000041827 XP_045192805.1 43.9 287
161 0 9 295 46 332 5.00E-71 276.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041828 6596 282.3 UdeM00000041828 XP_045192805.1 46.8 297
157 1 9 305 37 332 7.20E-73 282.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041829 6596 317.8 UdeM00000041829 XP_045201815.1 31.5 759
443 18 77 795 64 785 4.00E-83 317.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041830 6596 126.3 UdeM00000041830 XP_045192805.1 42.2 147
61 1 42 188 37 159 4.00E-26 126.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041831 6596 134 UdeM00000041831 XP_045201815.1 31.5 327
180 8 1 314 4 299 3.20E-28 134 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041833 6596 263.5 UdeM00000041833 XP_045192805.1 45.3 289
157 1 6 294 45 332 3.40E-67 263.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000044448 225164 97.8 UdeM00000044448 XP_009054455.1 20.7
 468 343 7 1 463 95 539 3.90E-17 97.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000036924 6596 94.7 UdeM00000036924 XP_045156585.1 49.5 105
 48 1 1 100 1 105 1.10E-16 94.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036925 6579 728.4 UdeM00000036925 XP_033750062.1 44.6 1153
 598 15 315 1440 166 1304 1.80E-206 728.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036926 6565 76.3 UdeM00000036926 XP_022333700.1 52.6 76
 36 0 11 86 56 131 2.20E-11 76.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036927 6579 721.5 UdeM00000036927 XP_033749611.1 46.9 1023
 432 19 6 968 38 1009 1.50E-204 721.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036928 6596 419.9 UdeM00000036928 XP_045215947.1 59.7 340
 135 2 12 350 1 339 3.30E-114 419.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036929 6596 675.2 UdeM00000036929 XP_045216714.1 64.5 515
 174 4 18 532 9 514 6.60E-191 675.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036930 6596 360.5 UdeM00000036930 XP_045216765.1 48.9 405
 182 8 25 418 25 415 2.80E-96 360.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036931 6596 320.9 UdeM00000036931 XP_045216765.1 53 296
 134 4 27 317 26 321 2.50E-84 320.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036932 6579 84.7 UdeM00000036932 XP_033732676.1 36.9 103
 64 1 1 102 304 406 7.30E-14 84.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000042764 6596 168.3 UdeM00000042764 XP_045202576.1 55.1 167
66 3 2 160 45 210 1.20E-38 168.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000042765 6596 167.5 UdeM00000042765 XP_045206316.1 55 140
63 0 2 141 128 267 1.20E-38 167.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000042766 6573 114.8 UdeM00000042766 XP_021375729.1 37.6 173
79 2 17 161 73 244 1.20E-22 114.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000042767 2607531 156 UdeM00000042767 XP_036366820.1 55.6
133 51 2 56 180 68 200 4.60E-35 156 2607531
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus sinensis
UdeM00000042768 6579 223.8 UdeM00000042768 XP_033758968.1 24.7 636
460 8 17 635 15 648 6.60E-55 223.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000042769 6573 159.8 UdeM00000042769 XP_021371841.1 25.8 383
273 6 12 390 23 398 6.90E-36 159.8 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000042770 6579 253.8 UdeM00000042770 XP_033758968.1 24.7 679
481 7 6 660 7 679 5.90E-64 253.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000042771 6565 256.1 UdeM00000042771 XP_022321940.1 24.9 666
456 10 20 651 27 682 1.20E-64 256.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000042772 6565 155.2 UdeM00000042772 XP_022333999.1 27.5 375
250 9 16 378 114 478 1.70E-34 155.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000042773 6596 122.1 UdeM00000042773 XP_045168991.1 38.7 186
97 5 1 173 37 218 1.10E-24 122.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042774 6596 124.4 UdeM00000042774 XP_045168991.1 38.8 188
 98 5 29 203 35 218 2.40E-25 124.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042776 6596 110.9 UdeM00000042776 XP_045169258.1 25.1 255
 183 4 159 405 479 733 3.80E-21 110.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042778 2607531 224.2 UdeM00000042778 XP_036366570.1 52.9
 189 88 1 147 334 58 246 2.50E-55 224.2 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000042916 400727 229.6 UdeM00000042916 XP_025093584.1 78.8
 146 31 0 1 146 1 146 3.70E-57 229.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000042921 6596 510 UdeM00000042921 XP_045189688.1 46.9 627
 300 10 60 677 154 756 4.70E-141 510 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042922 6565 131.3 UdeM00000042922 XP_022345648.1 44.4 189
 93 3 136 323 126 303 2.30E-27 131.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042923 6596 156.4 UdeM00000042923 XP_045189050.1 72.9 96
 26 0 4 99 1 96 2.00E-35 156.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042924 6596 550.4 UdeM00000042924 XP_045189050.1 63.3 442
 145 1 3 427 99 540 2.00E-153 550.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042925 6596 719.9 UdeM00000042925 XP_045190493.1 60.2 591
 230 2 18 608 5 590 2.80E-204 719.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000042926 400727 613.6 UdeM00000042926 XP_025093615.1 69.2
428 131 1 6 433 4 430 1.90E-172 613.6 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000042927 6579 109 UdeM00000042927 XP_033756971.1 66.2 77
26 0 30 106 23 99 3.80E-21 109 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000042928 6596 580.5 UdeM00000042928 XP_045188495.1 61.5 475
170 4 21 486 131 601 2.10E-162 580.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000042929 6596 713 UdeM00000042929 XP_045188495.1 61.4 581
210 4 61 627 13 593 3.40E-202 713 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000042930 6596 718 UdeM00000042930 XP_045188495.1 62.8 575
202 3 54 616 19 593 1.00E-203 718 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000042932 29159 209.9 UdeM00000042932 XP_034334600.1 28.2 627
343 15 461 1023 429 1012 1.50E-50 209.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042931 29159 205.7 UdeM00000042931 XP_034334600.1 28 618
347 14 505 1058 429 1012 2.90E-49 205.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042933 29159 209.9 UdeM00000042933 XP_034334600.1 28.2 627
343 15 505 1067 429 1012 1.60E-50 209.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000042934 6596 227.3 UdeM00000042934 XP_045191077.1 74.5 149
38 0 1 149 1 149 1.30E-56 227.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000042935 6579 102.4 UdeM00000042935 XP_033744293.1 24.6 394
228 9 110 453 5 379 1.70E-18 102.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042936 6579 142.5 UdeM00000042936 XP_033744293.1 27 444
281 11 96 519 5 425 1.60E-30 142.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042937 6579 116.3 UdeM00000042937 XP_033744293.1 26.1 398
226 10 96 445 5 382 1.10E-22 116.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042939 9103 75.5 UdeM00000042939 XP_010717288.1 38.3 107
58 2 61 167 149 247 7.50E-11 75.5 9103 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
ognathae;Galloanserae;Galliformes;Phasianidae;Meleagridinae;Meleagris;Mel
eagris gallopavo
UdeM00000042940 6596 79.3 UdeM00000042940 XP_045191040.1 36.8 87
55 0 182 268 242 328 8.20E-12 79.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042941 1735272 92.4 UdeM00000042941 XP_041360121.1 43.7
87 46 3 319 404 275 359 1.40E-15 92.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000042942 6596 481.9 UdeM00000042942 XP_045190172.1 62.8 393
140 3 6 396 8 396 8.00E-133 481.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042943 6596 484.6 UdeM00000042943 XP_045190172.1 62.6 393
141 3 6 396 8 396 1.20E-133 484.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000044491 7668 115.2 UdeM00000044491 XP_030847080.1 40.9 149
81 3 1 147 1 144 8.30E-23 115.2 7668 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
ntrotus purpuratus
UdeM00000044327 83332 407.1 UdeM00000044327 NP_217487.1 76.7 262 61
0 1 262 21 282 1.60E-110 407.1 83332 cellular
organisms;Bacteria;Terrabacteria

group;Actinobacteria;Actinomycetia;Corynebacteriales;Mycobacteriaceae;Mycobacterium;Mycobacterium tuberculosis complex;Mycobacterium tuberculosis;Mycobacterium tuberculosis H37Rv

UdeM00000044328 326968 137.1 UdeM00000044328 XP_015870965.1 37
289 140 8 4 272 6 272 3.40E-29 137.1 326968
cellular

organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta;Tracheophyta;Euphyllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;eudicotyledons;Gunneridae;Pentapetalae;rosids;fabids;Rosales;Rhamnaceae;Palmae;Ziziphus;Ziziphus jujuba

UdeM00000007921 6596 134.8 UdeM00000007921 XP_045201952.1 40.3 206
111 8 14 210 591 793 1.30E-28 134.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007922 6596 100.9 UdeM00000007922 XP_045208184.1 60.7 84
32 1 3 85 1 84 8.90E-19 100.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007923 45264 390.6 UdeM00000007923 XP_044165535.1 49.3 367
182 1 1 363 158 524 2.90E-105 390.6 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000007924 6596 548.1 UdeM00000007924 XP_045207396.1 45 722
359 12 1 703 1 703 1.60E-152 548.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007925 6573 705.3 UdeM00000007925 XP_021372017.1 52.3 761
280 10 3 758 5 687 8.80E-200 705.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007926 6579 595.9 UdeM00000007926 XP_033759184.1 53.6 599
238 10 16 599 13 586 5.80E-167 595.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000007927 6596 118.6 UdeM00000007927 XP_045209337.1 28.5 242
162 7 30 266 29 264 1.30E-23 118.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000007928 6596 297.7 UdeM00000007928 XP_045210434.1 59.4 288
112 4 129 413 161 446 2.70E-77 297.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007929 6596 633.6 UdeM00000007929 XP_045210423.1 55.1 621
 250 6 1 599 73 686 2.50E-178 633.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007930 7574 225.7 UdeM00000007930 XP_013414953.1 82.4 131
 23 0 617 747 211 341 1.90E-55 225.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000007931 6579 448.4 UdeM00000007931 XP_033751332.1 29.3 1866
 1138 77 16 1768 1424 3220 4.90E-122 448.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007937 6596 195.3 UdeM00000007937 XP_045183414.1 30.3 416
 253 7 11 415 12 401 2.40E-46 195.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007939 6596 208 UdeM00000007939 XP_045183414.1 30.1 425
 266 6 11 430 12 410 2.90E-50 208 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007942 6596 266.5 UdeM00000007942 XP_045183414.1 28.5 759
 436 17 28 737 12 712 9.80E-68 266.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007944 7741 74.7 UdeM00000007944 XP_019622189.1 46.5 71
 38 0 4 74 15 85 5.50E-11 74.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000007945 6596 60.8 UdeM00000007945 XP_045200365.1 34.6 78
 50 1 57 133 75 152 1.50E-06 60.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007946 6596 117.9 UdeM00000007946 XP_045199277.1 50.8 130
 59 2 1 126 1 129 9.70E-24 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007947 94835 71.6 UdeM00000007947 XP_019365841.1 25.1 203
 126 6 16 211 2613 2796 2.00E-09 71.6 94835 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Crocodylia;Longirostres;Gavialidae;Gavialinae;Gaviali
 s;Gavialis gangeticus

UdeM00000007948 6596 465.3 UdeM00000007948 XP_045210487.1 45.1 638
 282 15 112 703 184 799 1.40E-127 465.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007949 6596 465.3 UdeM00000007949 XP_045210487.1 45.1 638
 282 15 62 653 184 799 1.30E-127 465.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007951 6573 134.4 UdeM00000007951 XP_021349366.1 36.4 195
 122 2 52 245 3 196 2.20E-28 134.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000007952 6596 1188.3 UdeM00000007952 XP_045207916.1 55.6
 1184 422 20 1 1111 1 1153 0.00E+00 1188.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007953 6596 387.1 UdeM00000007953 XP_045207917.1 76.7 245
 57 0 1 245 1 245 1.70E-104 387.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007954 6565 338.6 UdeM00000007954 XP_022323349.1 95.1 183
 9 0 2 184 269 451 5.20E-90 338.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000007955 1735272 247.3 UdeM00000007955 XP_041373718.1 47.8
 274 134 4 1 269 1 270 2.30E-62 247.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000007956 6596 194.1 UdeM00000007956 XP_045210329.1 44.3 230
 114 4 39 263 1 221 2.20E-46 194.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000007957 6596 1159.1 UdeM00000007957 XP_045207375.1 71
 814 198 5 2 790 4 804 0.00E+00 1159.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007958 6596 1170.6 UdeM00000007958 XP_045207375.1 70.5
 827 218 6 2 828 4 804 0.00E+00 1170.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007959 6596 1174.5 UdeM00000007959 XP_045209499.1 92
 622 50 0 1 622 1 622 0.00E+00 1174.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007960 6596 302 UdeM00000007960 XP_045208042.1 87 169
 21 1 1 168 1 169 4.80E-79 302 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007961 6596 488 UdeM00000007961 XP_045210314.1 54.1 479
 206 6 81 549 22 496 1.50E-134 488 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007962 6596 365.9 UdeM00000007962 XP_045210314.1 58.3 333
 131 2 3 327 152 484 5.30E-98 365.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007963 6596 535 UdeM00000007963 XP_045210314.1 56.3 483
 179 8 77 554 60 515 1.10E-148 535 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007964 6596 223.4 UdeM00000007964 XP_045208606.1 33.4 344
 226 3 5 345 4 347 8.10E-55 223.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007965 6565 772.3 UdeM00000007965 XP_022327319.1 76.3 486
 114 1 14 498 10 495 3.80E-220 772.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000007966 6596 750.7 UdeM00000007966 XP_045209655.1 56.5 634
268 2 1 634 1 626 1.50E-213 750.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007967 6596 260.8 UdeM00000007967 XP_045207318.1 47.9 326
141 6 1 305 1 318 2.30E-66 260.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007968 6596 207.2 UdeM00000007968 XP_045207722.1 43.2 273
135 6 55 310 51 320 3.30E-50 207.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007969 1529436 253.8 UdeM00000007969 XP_033096781.1 98.4
128 2 0 1 128 1 128 1.10E-64 253.8 1529436
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
matulinae;Anneissia;Anneissia japonica
UdeM00000007970 6596 1035 UdeM00000007970 XP_045209822.1 47.9 1327
566 38 21 1275 152 1425 8.00E-299 1035 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007971 6579 293.1 UdeM00000007971 XP_033757902.1 55.3 246
100 1 9 244 1 246 3.60E-76 293.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000007972 29159 228 UdeM00000007972 XP_011436344.2 67.8 174
54 1 9 180 374 547 9.40E-57 228 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000007973 6596 623.2 UdeM00000007973 XP_045209096.1 77.6 380
73 1 11 390 8 375 2.20E-175 623.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000007974 6596 378.6 UdeM00000007974 XP_045207008.1 45.6 608
305 10 1 601 1 589 1.50E-101 378.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000007975 1735272 474.2 UdeM00000007975 XP_041373744.1 34.5
 785 441 21 412 1167 172 912 4.90E-130 474.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007976 6573 620.5 UdeM00000007976 XP_021346440.1 57.6 583
 201 9 1 579 1 541 2.10E-174 620.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007978 6596 2231.4 UdeM00000007978 XP_045207325.1 73.5
 1695 443 4 1 1690 388 2080 0.00E+00 2231.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007979 6596 2223.4 UdeM00000007979 XP_045207325.1 73.5
 1689 440 4 1 1684 394 2080 0.00E+00 2223.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007980 6596 165.6 UdeM00000007980 XP_045160385.1 24.6 753
 443 21 12 673 10 728 4.30E-37 165.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000007981 6579 147.9 UdeM00000007981 XP_033763705.1 51.9 154
 72 2 38 189 101 254 1.40E-32 147.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007982 37653 513.8 UdeM00000007982 XP_014784610.1 60.8 408
 147 4 2 397 3 409 1.90E-142 513.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000007983 37653 417.9 UdeM00000007983 XP_014784610.1 56.2 381
 121 5 9 344 33 412 1.20E-113 417.9 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000007984 37653 291.6 UdeM00000007984 XP_014784610.1 49.8 325
 108 5 1 270 1 325 1.10E-75 291.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000007985 37653 488.8 UdeM00000007985 XP_014784610.1 58.6 408
 153 4 2 394 3 409 6.50E-135 488.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000007986 6565 513.8 UdeM00000007986 XP_022293897.1 64.4 382
 118 3 9 372 40 421 1.80E-142 513.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000007987 37653 522.7 UdeM00000007987 XP_014784610.1 61.2 410
 147 3 1 399 1 409 4.20E-145 522.7 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000007988 1735272 449.1 UdeM00000007988 XP_041373019.1 93.6
 235 15 0 92 326 83 317 4.70E-123 449.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000007989 37653 510.4 UdeM00000007989 XP_014784610.1 63.9 382
 119 4 10 374 33 412 2.00E-141 510.4 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000007990 37653 523.5 UdeM00000007990 XP_014784610.1 61.8 408
 144 3 2 398 3 409 2.40E-145 523.5 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000007992 6579 438.3 UdeM00000007992 XP_033759088.1 64.2 349
 108 5 87 430 128 464 1.10E-119 438.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007991 6579 438.3 UdeM00000007991 XP_033759088.1 64.2 349
 108 5 94 437 128 464 1.10E-119 438.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000007998 6573 77 UdeM00000007998 XP_021345496.1 32.4 170
 108 4 15 178 538 706 2.80E-11 77 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000007999 6579 229.6 UdeM00000007999 XP_033751405.1 32.1 645
 369 22 35 645 1858 2467 1.50E-56 229.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008002 6565 146.4 UdeM00000008002 XP_022325035.1 27 396
 262 11 30 411 1091 1473 8.40E-32 146.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000008003 1234273 74.7 UdeM00000008003 XP_026998426.1 24.2
 165 120 1 6 165 1618 1782 2.50E-10 74.7 1234273
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Bagridae;Tachysurus;Tachysurus fulvidraco
 UdeM00000008004 7213 61.2 UdeM00000008004 XP_020714027.1 25.7 183
 120 4 50 217 97 278 2.80E-06 61.2 7213 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscom
 orpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Tephritoidea;Tephr
 itidae;Dacinae;Ceratitidini;Ceratitis;Ceratitis;Ceratitis capitata
 UdeM00000008007 29159 164.9 UdeM00000008007 XP_034331610.1 36.6 292
 168 7 3 283 822 1107 1.50E-37 164.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008009 6565 149.8 UdeM00000008009 XP_022337267.1 28.2 575
 352 14 1 523 1 566 9.90E-33 149.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008010 29159 129.8 UdeM00000008010 XP_034318141.1 29.1 598
 288 17 1 471 2 590 9.60E-27 129.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008012 6596 89.7 UdeM00000008012 XP_045169519.1 47.1 85
 40 1 17 101 1 80 2.30E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008013 48498 267.3 UdeM00000008013 XP_020608165.1 32.8 622
 370 17 35 644 459 1044 6.00E-68 267.3 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000008014 6596 3675.6 UdeM00000008014 XP_045210442.1 44.4
 4548 2353 72 53 4525 32 4479 0.00E+00 3675.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008015 6565 72.8 UdeM00000008015 XP_022313998.1 22.6 301
 218 6 1 298 1 289 1.00E-09 72.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008016 29159 244.2 UdeM00000008016 XP_034322429.1 35.1 490
 189 9 1 365 148 633 2.90E-61 244.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008020 6596 3350.1 UdeM00000008020 XP_045210442.1 42.2
4563 2393 83 27 4454 32 4483 0.00E+00 3350.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008021 37621 127.1 UdeM00000008021 XP_014672571.1 38.9 203
98 3 10 186 1 203 3.00E-26 127.1 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000008022 7668 202.6 UdeM00000008022 XP_003729577.2 38.5 314
158 5 2 280 313 626 7.10E-49 202.6 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000008023 7668 83.2 UdeM00000008023 XP_003729577.2 68 50
16 0 14 63 717 766 2.30E-13 83.2 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000008024 29159 435.6 UdeM00000008024 XP_034321382.1 49.2 657
249 19 17 655 20 609 1.10E-118 435.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008025 29159 326.2 UdeM00000008025 XP_034319300.1 59.3 1489
377 27 1 1290 3 1461 1.80E-85 326.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008026 29159 108.6 UdeM00000008026 XP_011448393.2 30.6 291
133 8 11 240 35 317 1.10E-20 108.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008030 6596 305.4 UdeM00000008030 XP_045184565.1 44.9 354
191 2 1 354 5 354 9.90E-80 305.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008031 6596 425.2 UdeM00000008031 XP_045176363.1 60.6 436
136 12 1 421 1 415 1.00E-115 425.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008032 6565 869.4 UdeM00000008032 XP_022306135.1 63.1 1216
 374 11 8 1219 5 1149 5.40E-249 869.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008033 29159 94.7 UdeM00000008033 XP_034339165.1 47.2 89
 46 1 16 104 233 320 7.50E-17 94.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008034 6565 115.9 UdeM00000008034 XP_022290343.1 73.9 69
 17 1 1 68 126 194 2.00E-23 115.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008035 6596 638.6 UdeM00000008035 XP_045183622.1 63.1 509
 153 7 103 582 739 1241 7.50E-180 638.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008036 400727 624.4 UdeM00000008036 XP_025080633.1 64.7
 476 155 6 638 1106 778 1247 2.80E-175 624.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000008037 45351 64.3 UdeM00000008037 XP_001639127.2 32.8 116
 72 3 35 149 287 397 1.60E-07 64.3 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000008039 6596 586.3 UdeM00000008039 XP_045189705.1 50.2 625
 290 5 2 617 20 632 4.70E-164 586.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008038 6596 596.3 UdeM00000008038 XP_045189705.1 49.4 644
 305 5 3 637 1 632 4.70E-167 596.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008040 29159 310.8 UdeM00000008040 XP_011439834.1 95.8 167
 7 0 1 167 1 167 1.00E-81 310.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008041 6579 133.3 UdeM00000008041 XP_033726174.1 38.8 170
 85 6 38 204 22 175 5.20E-28 133.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000008042 48498 126.3 UdeM00000008042 XP_020632435.1 39 187
 99 7 2 184 570 745 4.20E-26 126.3 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000008043 6596 76.6 UdeM00000008043 XP_045184349.1 35.1 111
 58 3 3 108 47 148 3.40E-11 76.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008044 299321 69.3 UdeM00000008044 XP_028823701.1 46.9
 64 34 0 31 94 4625 4688 1.00E-08 69.3 299321
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Clupei;Clupeiformes;Denticipitoidei;Denticipitidae;Dentic
 eps;Denticeps clupeoides
 UdeM00000008045 7741 429.1 UdeM00000008045 XP_019627143.1 51.2 406
 187 11 195 594 134 534 1.60E-116 429.1 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000008046 48498 271.2 UdeM00000008046 XP_020605241.1 40.4 334
 189 3 125 453 231 559 2.60E-69 271.2 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000008047 6596 173.7 UdeM00000008047 XP_045209343.1 30.6 333
 165 11 22 316 24 328 5.00E-40 173.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008048 6565 77 UdeM00000008048 XP_022307436.1 43.5 85
 46 1 43 125 97 181 1.90E-11 77 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000008049 6596 64.3 UdeM00000008049 XP_045184378.1 47.1 51
 27 0 38 88 80 130 1.20E-07 64.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008050 6596 164.9 UdeM00000008050 XP_045209345.1 29.6 321
 169 7 35 322 24 320 2.30E-37 164.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008051 6596 164.9 UdeM00000008051 XP_045209345.1 29.6 321
 169 7 5 292 24 320 2.10E-37 164.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008052 29159 70.1 UdeM00000008052 XP_034319472.1 54.2 48
 22 0 24 71 28 75 1.40E-09 70.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008054 6596 89.7 UdeM00000008054 XP_045184528.1 33.5 170
 96 6 26 186 285 446 5.20E-15 89.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008055 45264 70.9 UdeM00000008055 XP_044166631.1 41.2 85
 42 2 17 100 191 268 1.60E-09 70.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000008056 6579 88.6 UdeM00000008056 XP_033726174.1 36.7 128
 61 4 4 128 59 169 7.10E-15 88.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000008057 6596 141.4 UdeM00000008057 XP_045209343.1 30 293
 142 9 1 257 54 319 2.10E-30 141.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008058 6596 162.9 UdeM00000008058 XP_045209343.1 29.1 323
 166 9 24 310 24 319 7.90E-37 162.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008059 7574 276.9 UdeM00000008059 XP_013380319.1 72.7 165
 45 0 1 165 104 268 5.30E-71 276.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000008060 7574 109.4 UdeM00000008060 XP_013410728.1 32.7 297
 126 8 276 505 55 344 1.40E-20 109.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000008061 6596 77.8 UdeM00000008061 XP_045207044.1 31.3 147
 100 1 1 147 1 146 1.70E-11 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008064 6596 149.4 UdeM00000008064 XP_045174611.1 36.2 254
 147 8 21 265 374 621 6.30E-33 149.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008066 6596 76.6 UdeM00000008066 XP_045177317.1 43.7 87
45 1 8 94 73 155 3.90E-11 76.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008067 6596 76.6 UdeM00000008067 XP_045177317.1 43.7 87
45 1 8 94 73 155 2.80E-11 76.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008068 6596 164.1 UdeM00000008068 XP_045174611.1 38.6 272
151 9 28 292 359 621 2.70E-37 164.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008071 29159 72 UdeM00000008071 XP_034329457.1 47.2 72
33 1 119 190 451 517 9.50E-10 72 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000008072 70779 227.3 UdeM00000008072 XP_015759403.1 42.2 268
104 1 1 217 156 423 2.10E-56 227.3 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000008073 6596 83.2 UdeM00000008073 XP_045187600.1 41.2 114
60 3 13 121 250 361 2.70E-13 83.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008077 400727 95.1 UdeM00000008077 XP_025109413.1 38.8
160 82 4 156 304 56 210 1.60E-16 95.1 400727

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000008078 6596 80.1 UdeM00000008078 XP_045179438.1 36.5 126
77 3 28 150 93 218 2.80E-12 80.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008082 400727 92.4 UdeM00000008082 XP_025088536.1 37.2
148 88 2 41 183 56 203 6.50E-16 92.4 400727

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000008083 6596 95.1 UdeM00000008083 XP_045175388.1 41.4 133
71 4 306 432 257 388 2.30E-16 95.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008085 400727 94 UdeM00000008085 XP_025088536.1 36.7
150 90 2 163 307 57 206 3.70E-16 94 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000008086 6596 94 UdeM00000008086 XP_045175388.1 33.7 187
108 6 122 302 212 388 3.70E-16 94 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008087 6596 92.8 UdeM00000008087 XP_045207937.1 88.9 45
4 1 195 238 222 266 6.30E-16 92.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000008088 6573 1602.4 UdeM00000008088 XP_021377283.1 40.4
2275 1235 47 6 2230 14 2216 0.00E+00 1602.4 6573
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000008089 29159 575.1 UdeM00000008089 XP_034304086.1 49.5 556
277 4 1 555 1 553 9.70E-161 575.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008091 6565 236.1 UdeM00000008091 XP_022322789.1 51.1 221
108 0 1 221 4 224 4.30E-59 236.1 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000008101 29159 330.5 UdeM00000008101 XP_034304086.1 48.8 330
160 6 2 326 234 559 2.40E-87 330.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000008103 6596 100.5 UdeM00000008103 XP_045209622.1 31.5 302
176 9 1 277 25 320 3.50E-18 100.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000008104 6596 336.7 UdeM00000008104 XP_045216057.1 53.8 286
 128 3 56 339 71 354 3.60E-89 336.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008105 6573 226.5 UdeM00000008105 XP_021341057.1 64.2 151
 53 1 4 153 2 152 2.30E-56 226.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000008106 6596 548.1 UdeM00000008106 XP_045208907.1 48.1 781
 327 25 158 887 27 780 2.00E-152 548.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008107 6596 834.3 UdeM00000008107 XP_045208907.1 49.9 1659
 627 41 136 1748 824 2324 2.90E-238 834.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000008108 29159 211.8 UdeM00000008108 XP_011431082.1 89.2 111
 12 0 1 111 1 111 4.30E-52 211.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000008109 29159 285.8 UdeM00000008109 XP_011431082.1 91.3 149
 13 0 1 149 1 149 3.20E-74 285.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000044392 6945 87 UdeM00000044392 XP_040065097.1 31.2 170
 91 4 59 202 85 254 4.50E-14 87 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000040008 6579 540 UdeM00000040008 XP_033739920.1 49.7 537
 239 5 1 507 1 536 3.30E-150 540 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040010 6565 151.8 UdeM00000040010 XP_022310266.1 33.4 353
 192 10 1 337 1 326 1.60E-33 151.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040011 6596 634.8 UdeM00000040011 XP_045198045.1 61.6 497
 188 2 9 503 48 543 9.70E-179 634.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040012 6579 259.2 UdeM00000040012 XP_033731739.1 57.7 201
 85 0 8 208 178 378 4.40E-66 259.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040013 6579 252.3 UdeM00000040013 XP_033731739.1 59.2 191
 78 0 1 191 188 378 5.00E-64 252.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040014 6573 61.2 UdeM00000040014 XP_021341725.1 60.4 48
 19 0 1 48 1 48 7.80E-07 61.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040015 6579 63.5 UdeM00000040015 XP_033761099.1 22.8 276
 188 8 124 377 40 312 6.70E-07 63.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040016 6596 723.8 UdeM00000040016 XP_045198045.1 64.2 544
 192 2 1 542 1 543 1.70E-205 723.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040017 6579 543.5 UdeM00000040017 XP_033740119.1 49.9 535
 232 4 1 502 1 532 3.00E-151 543.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040018 6596 633.3 UdeM00000040018 XP_045198045.1 61.6 497
 188 2 9 503 48 543 2.80E-178 633.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040019 109280 168.7 UdeM00000040019 XP_019729826.1 40.7
 209 107 1 6 197 10 218 7.40E-39 168.7 109280
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Syngnathiaria;Syngnathiformes;S
 yngnathoidei;Syngnathidae;Hippocampinae;Hippocampus;Hippocampus comes
 UdeM00000040020 6573 61.2 UdeM00000040020 XP_021341725.1 60.4 48
 19 0 1 48 1 48 7.80E-07 61.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000040021 6579 60.1 UdeM00000040021 XP_033761099.1 22.4 321
 214 10 79 377 5 312 7.40E-06 60.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000040022 6596 722.6 UdeM00000040022 XP_045198045.1 64.2 544
192 2 1 542 1 543 3.80E-205 722.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000040023 29159 572.8 UdeM00000040023 XP_011428614.2 51.5 550
253 4 1 542 1 544 4.70E-160 572.8 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000040024 6596 199.5 UdeM00000040024 XP_045198045.1 62.1 145
55 0 1 145 399 543 3.30E-48 199.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000040025 6596 391 UdeM00000040025 XP_045198045.1 57.7 331
137 2 1 329 35 364 1.50E-105 391 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000040026 6579 259.2 UdeM00000040026 XP_033731739.1 57.7 201
85 0 8 208 178 378 4.40E-66 259.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000040027 6579 252.3 UdeM00000040027 XP_033731739.1 59.2 191
78 0 1 191 188 378 5.00E-64 252.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000040028 6573 61.2 UdeM00000040028 XP_021341725.1 60.4 48
19 0 1 48 1 48 7.80E-07 61.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000040029 6579 72 UdeM00000040029 XP_033761099.1 23 204
137 5 12 198 112 312 1.00E-09 72 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000040030 6596 722.6 UdeM00000040030 XP_045198045.1 64.2 544
192 2 1 542 1 543 3.80E-205 722.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000040031 29159 573.2 UdeM00000040031 XP_011428614.2 51.5 550
253 4 1 542 1 544 3.60E-160 573.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042268 1735272 145.6 UdeM00000042268 XP_041372805.1 29.6
341 224 6 41 371 350 684 1.30E-31 145.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000042269 1735272 808.5 UdeM00000042269 XP_041347279.1 46.8
876 436 9 1 849 1 873 8.00E-231 808.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000042270 1735272 79.3 UdeM00000042270 XP_041379277.1 27.8
241 158 9 2 231 35 270 7.90E-12 79.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000042271 6579 208 UdeM00000042271 XP_033758269.1 28.2 748
429 29 412 1127 4 675 6.60E-50 208 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000042273 7054 483.8 UdeM00000042273 XP_031328250.1 50.1 467
231 2 1 465 1 467 2.50E-133 483.8 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
UdeM00000042274 45264 144.8 UdeM00000042274 XP_044184031.1 43.5 191
85 5 1 172 300 486 1.00E-31 144.8 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000042275 6565 105.5 UdeM00000042275 XP_022323483.1 30.2 288
167 11 6 277 174 443 1.10E-19 105.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042276 6596 148.7 UdeM00000042276 XP_045209241.1 28.9 425
271 14 3 413 603 1010 1.80E-32 148.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000042277 6596 148.7 UdeM00000042277 XP_045209241.1 28.9 425
271 14 3 413 603 1010 1.80E-32 148.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000042278 6579 62 UdeM00000042278 XP_033725862.1 40.8 76
 45 0 70 145 215 290 7.40E-07 62 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042280 37621 105.5 UdeM00000042280 XP_014667591.1 24.8 432
 244 13 7 415 480 853 2.50E-19 105.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000042281 6596 105.9 UdeM00000042281 XP_045181571.1 23.3 645
 393 21 14 579 339 960 1.90E-19 105.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042283 218467 99.4 UdeM00000042283 XP_023213810.1 33.3
 171 110 3 28 198 4 170 5.70E-18 99.4 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000042284 6596 156.4 UdeM00000042284 XP_045208734.1 33.4 329
 204 12 48 367 6 328 7.10E-35 156.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042286 400727 253.1 UdeM00000042286 XP_025108466.1 45.7
 302 156 3 60 361 145 438 5.60E-64 253.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000042287 151771 287.7 UdeM00000042287 XP_028408207.1 42.7
 337 148 4 2 303 280 606 1.70E-74 287.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000042288 451745 95.1 UdeM00000042288 XP_037553707.1 45.1
 91 50 0 3 93 545 635 5.00E-17 95.1 451745
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Rivulidae;Nematolebias;Nematolebias whitei
 UdeM00000042289 7739 80.1 UdeM00000042289 XP_035677667.1 44.7 85
 46 1 4 88 7 90 2.20E-12 80.1 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000042292 6087 276.9 UdeM00000042292 XP_012565456.1 44.6 325
 163 8 54 375 706 1016 3.70E-71 276.9 6087 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
 oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
 UdeM00000042293 6579 80.9 UdeM00000042293 XP_033730094.1 39.3 112
 63 3 234 343 9 117 4.20E-12 80.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042294 6579 142.5 UdeM00000042294 XP_033747958.1 56.4 101
 44 0 1 101 57 157 4.60E-31 142.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042295 1735272 125.2 UdeM00000042295 XP_041361861.1 32.1
 221 55 2 1 126 1 221 6.20E-26 125.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042296 1735272 195.7 UdeM00000042296 XP_041374187.1 43.3
 261 125 9 1 247 1 252 7.90E-47 195.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042297 400727 248.1 UdeM00000042297 XP_025100004.1 27.5
 796 496 29 285 1042 770 1522 5.40E-62 248.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000042300 6596 75.5 UdeM00000042300 XP_045208720.1 32.4 250
 122 11 22 240 1055 1288 1.10E-10 75.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042301 6565 125.6 UdeM00000042301 XP_022287370.1 26.3 533
 336 25 156 676 8 495 2.80E-25 125.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042302 1735272 157.9 UdeM00000042302 XP_041366048.1 27.1
 468 156 5 36 318 18 485 2.10E-35 157.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042303 37621 65.5 UdeM00000042303 XP_014670827.1 44.3 115
 49 6 563 672 52 156 3.10E-07 65.5 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus

UdeM00000042305 46514 65.5 UdeM00000042305 XP_038045891.1 33.6 110
 57 2 1 94 299 408 6.00E-08 65.5 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000042306 7739 265.4 UdeM00000042306 XP_035665616.1 60.4 202
 80 0 1 202 480 681 6.80E-68 265.4 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000042307 1735272 77.8 UdeM00000042307 XP_041366048.1 37
 119 62 2 6 111 7 125 1.00E-11 77.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042308 37621 70.1 UdeM00000042308 XP_014670827.1 42.7 96
 51 2 5 99 118 210 2.30E-09 70.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000042309 37621 118.2 UdeM00000042309 XP_014677368.1 50.9 114
 50 3 1 108 1 114 6.40E-24 118.2 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000042310 6565 136 UdeM00000042310 XP_022339536.1 29.3 311
 203 8 34 339 299 597 1.10E-28 136 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042311 6579 69.3 UdeM00000042311 XP_033726360.1 34.2 111
 61 2 16 123 488 589 7.90E-09 69.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042312 1735272 105.1 UdeM00000042312 XP_041347279.1 29.1
 285 96 7 23 203 219 501 1.10E-19 105.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042315 1735272 132.9 UdeM00000042315 XP_041379632.1 31.7
 334 207 11 42 367 173 493 1.20E-27 132.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042316 6565 99.8 UdeM00000042316 XP_022287370.1 30.1 306
 184 12 151 453 2 280 1.00E-17 99.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000042318 7574 82.8 UdeM00000042318 XP_013388573.1 40.9 110
 58 3 98 206 351 454 6.00E-13 82.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000042319 6596 87.8 UdeM00000042319 XP_045171063.1 45.6 90
 48 1 8 96 3 92 9.80E-15 87.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042323 1735272 151.8 UdeM00000042323 XP_041372788.1 30
 426 254 11 4 415 982 1377 2.10E-33 151.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000042325 6596 370.2 UdeM00000042325 XP_045156248.1 35 625
 288 9 4 541 7 600 4.60E-99 370.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042326 7906 189.1 UdeM00000042326 XP_033853648.2 27.7 411
 205 7 30 352 368 774 9.50E-45 189.1 7906 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipen
 seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus
 UdeM00000042328 7574 124.8 UdeM00000042328 XP_013388573.1 40.9 186
 92 6 25 209 349 517 1.30E-25 124.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000042329 29159 64.7 UdeM00000042329 XP_034315424.1 36.1 108
 60 3 12 116 213 314 9.90E-08 64.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042331 6579 134 UdeM00000042331 XP_033758288.1 31.4 290
 176 8 143 424 153 427 4.60E-28 134 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042332 6565 57.8 UdeM00000042332 XP_022287521.1 43.5 62
 35 0 2 63 313 374 9.10E-06 57.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042333 1735272 131 UdeM00000042333 XP_041379632.1 30.3
 360 218 10 83 429 173 512 5.00E-27 131 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000027725 50390 304.3 UdeM00000027725 XP_028145157.1 55.9 229
93 1 3 223 379 607 1.30E-79 304.3 50390 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucujiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; Diabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera virgifera

UdeM00000027726 8208 80.1 UdeM00000027726 XP_010779273.1 58.6 70
26 1 14 83 2 68 2.00E-12 80.1 8208 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorpha; Euacanthomorpha; Percomorphaceae; Eupercaria; Perciformes; Notothenioidei; Nototheniidae; Notothenia; Notothenia coriiceps

UdeM00000027728 7739 60.5 UdeM00000027728 XP_035659254.1 34.9 109
68 1 15 120 73 181 1.80E-06 60.5 7739 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Branchiostoma; Branchiostoma floridae

UdeM00000027729 105023 191.8 UdeM00000027729 XP_015796939.1 61.3
119 46 0 2 120 182 300 8.30E-46 191.8 105023
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorpha; Euacanthomorpha; Percomorphaceae; Ovalentaria; Atherinomorphae; Cyprinodontiformes; Aplocheiloidei; Nothobranchiidae; Nothobranchius; Nothobranchius furzeri

UdeM00000027733 6573 292 UdeM00000027733 XP_021359218.1 63.2 220
80 1 31 250 419 637 8.20E-76 292 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000027732 6573 292 UdeM00000027732 XP_021359218.1 63.2 220
80 1 15 234 419 637 7.80E-76 292 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000027734 50390 500 UdeM00000027734 XP_028142380.1 56.5 347
151 0 1 347 3 349 2.50E-138 500 50390 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Insecta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucujiformia; Chrysomeloidea; Chrysomelidae; Galerucinae; Luperini; Diabroticina; Diabroticites; Diabrotica; Diabrotica virgifera; Diabrotica virgifera virgifera

UdeM00000027736 7719 184.5 UdeM00000027736 XP_004227365.1 50.9 161
79 0 6 166 2 162 1.10E-43 184.5 7719 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia

a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000027737	1735272	61.2	UdeM00000027737	XP_041350990.1	43.5
62	35	0	125	186	461
					522
					1.60E-06
					61.2
					1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027738	50390	520	UdeM00000027738	XP_028154228.1	56.3	375
164	0	1	375	154	528	2.50E-144
					520	50390

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000027739	6565	338.6	UdeM00000027739	XP_022327962.1	40.5	472
170	3	1	361	247	718	9.90E-90
					338.6	6565

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027740	6596	410.6	UdeM00000027740	XP_045187536.1	41.3	596
135	3	4	386	131	724	2.20E-111
					410.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027741	6596	91.3	UdeM00000027741	XP_045190923.1	69.1	68
21	0	84	151	463	530	1.20E-15
					91.3	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027742	36176	303.9	UdeM00000027742	XP_043534371.1	58.1	227
94	1	3	228	112	338	1.70E-79
					303.9	36176

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Hemiscylliidae;Chiloscyllium;Chiloscyllium plagiosum

UdeM00000027743	50390	446.8	UdeM00000027743	XP_028142380.1	55.4	316
139	1	1	316	59	372	2.30E-122
					446.8	50390

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000027744	150288	279.6	UdeM00000027744	XP_020788097.1	63.9	
180	65	0	1	180	365	544
					2.70E-72	279.6
					150288	

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
UdeM00000027746 6579 99.8 UdeM00000027746 XP_033725148.1 60.4 91
33 2 68 158 281 368 3.50E-18 99.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000027748 150288 282.7 UdeM00000027748 XP_020788097.1 61.6
190 72 1 1 189 365 554 3.40E-73 282.7 150288
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
UdeM00000027749 133901 246.1 UdeM00000027749 XP_026275386.1 62.7
166 62 0 6 171 77 242 3.40E-62 246.1 133901
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;Thripidae;Thripinae;Frankliniella;Frankliniella occidentalis
UdeM00000027750 29159 138.3 UdeM00000027750 XP_034331441.1 46.5 142
76 0 1 142 1 142 1.90E-29 138.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000027752 6596 156.8 UdeM00000027752 XP_045171063.1 32.6 285
174 6 5 274 39 320 6.00E-35 156.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000027753 6596 58.2 UdeM00000027753 XP_045202117.1 55.6 45
20 0 1 45 19 63 5.10E-06 58.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000027754 278856 629.4 UdeM00000027754 XP_032528088.1 58.6
449 186 0 6 454 293 741 3.70E-177 629.4 278856
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus plexippus;Danaus plexippus plexippus
UdeM00000027755 50390 422.9 UdeM00000027755 XP_028154228.1 53.9 330
146 1 83 406 192 521 4.60E-115 422.9 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucuc

jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000027756 29159 117.9 UdeM00000027756 XP_034307341.1 35.4 192
109 3 25 202 62 252 1.60E-23 117.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027757 7739 97.4 UdeM00000027757 XP_035659254.1 40.5 148
79 5 6 147 37 181 1.60E-17 97.4 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000027758 225164 362.8 UdeM00000027758 XP_009062376.1 65.5
232 80 0 1 232 314 545 3.20E-97 362.8 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000027759 150288 275.8 UdeM00000027759 XP_020788097.1 61.1
185 72 0 1 185 365 549 4.10E-71 275.8 150288

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000027760 50390 387.1 UdeM00000027760 XP_028147518.1 60.2 261
104 0 1 261 40 300 1.80E-104 387.1 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000027761 278856 558.5 UdeM00000027761 XP_032528089.1 59.1
406 157 1 1 406 178 574 6.90E-156 558.5 278856

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus plexippus;Danaus plexippus plexippus

UdeM00000027762 6596 394.4 UdeM00000027762 XP_045160375.1 58.4 329
131 6 1 326 1 326 1.40E-106 394.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027763 6596 200.7 UdeM00000027763 XP_045176664.1 28.3 561
275 14 47 505 35 570 4.50E-48 200.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027765 278856 616.7 UdeM00000027765 XP_032528088.1 55.8
473 196 1 1 473 147 606 2.50E-173 616.7 278856

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus

plexippus;Danaus plexippus plexippus

UdeM00000027766 6565 164.1 UdeM00000027766 XP_022327962.1 47.6 164
84 1 2 163 555 718 1.50E-37 164.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027767 6565 252.3 UdeM00000027767 XP_022297447.1 50.8 248
106 2 1 232 117 364 6.10E-64 252.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027768 90988 114.4 UdeM00000027768 XP_039535825.1 60.5 86
34 0 1 86 111 196 7.50E-23 114.4 90988 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas

UdeM00000027769 29159 160.2 UdeM00000027769 XP_034331549.1 43.8 240
115 6 7 234 221 452 3.20E-36 160.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027770 278856 561.2 UdeM00000027770 XP_032528089.1 59.2
400 163 0 1 400 178 577 1.00E-156 561.2 278856

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus

plexippus;Danaus plexippus plexippus

UdeM00000027771 105023 411 UdeM00000027771 XP_015798255.1 56.1
314 131 1 6 319 131 437 1.40E-111 411 105023

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Cyprinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothobranchius furzeri

UdeM00000027772 6596 77.8 UdeM00000027772 XP_045216906.1 57.1 56
 24 0 1 56 297 352 5.00E-12 77.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
 a mercenaria

UdeM00000027773 105023 293.1 UdeM00000027773 XP_015798255.1 59.6
 203 82 0 1 203 123 325 2.70E-76 293.1 105023
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo-
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp-
 rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc-
 hius furzeri

UdeM00000027774 105023 414.5 UdeM00000027774 XP_015798255.1 55.6
 320 135 1 1 320 125 437 1.30E-112 414.5 105023
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo-
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp-
 rinodontiformes;Aplocheiloidei;Nothobranchiidae;Nothobranchius;Nothbranc-
 hius furzeri

UdeM00000027775 46514 86.3 UdeM00000027775 XP_038049677.1 59.4 69
 28 0 1 69 1 69 1.80E-14 86.3 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As-
 terinidae;Patiria;Patiria miniata

UdeM00000027776 6565 108.6 UdeM00000027776 XP_022290306.1 55.7 79
 35 0 1 79 101 179 7.00E-21 108.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr-
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027779 50390 479.6 UdeM00000027779 XP_028154228.1 53.1 358
 167 1 5 362 215 571 3.60E-132 479.6 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse-
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu-
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D-
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000027780 150288 141.7 UdeM00000027780 XP_020788097.1 63.8
 94 32 1 1 94 449 540 4.90E-31 141.7 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi-
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti-
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce-
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo-
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000027782 133901 280.8 UdeM00000027782 XP_026276565.1 52.7
 220 104 0 2 221 75 294 1.50E-72 280.8 133901
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;T
 hripoidea;Thripidae;Thripinae;Frankliniella;Frankliniella occidentalis
 UdeM00000027784 205130 119.4 UdeM00000027784 XP_026168408.1 33.9
 186 102 5 6 191 9 173 1.60E-23 119.4 205130
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Anabantaria;Synbranchiformes;Ma
 stacembeloidei;Mastacembelidae;Mastacembelus;Mastacembelus armatus
 UdeM00000027788 29159 817.4 UdeM00000027788 XP_034313473.1 25.4 3455
 1947 121 246 3343 1847 5027 3.80E-232 817.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027789 29159 161.8 UdeM00000027789 XP_034313418.1 24.2 753
 442 29 61 731 3998 4703 4.40E-36 161.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027790 6573 377.5 UdeM00000027790 XP_021356201.1 27.2 1185
 703 35 4 1110 2576 3678 5.90E-101 377.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027791 6565 341.3 UdeM00000027791 XP_022305712.1 34.5 655
 379 25 75 706 77 704 3.00E-90 341.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027792 29159 345.5 UdeM00000027792 XP_034313418.1 33.1 701
 401 25 69 744 4788 5445 1.70E-91 345.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027793 29159 152.5 UdeM00000027793 XP_034313418.1 25.6 543
 319 24 280 775 2380 2884 3.00E-33 152.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027794 2607531 166 UdeM00000027794 XP_029632986.1 24
 595 375 19 21 560 358 930 1.40E-37 166 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000027795 2607531 173.7 UdeM00000027795 XP_029632986.1 24.8
 589 377 20 21 559 358 930 6.50E-40 173.7 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000027796 29159 329.3 UdeM00000027796 XP_034313418.1 30.7 863
521 32 2 848 4365 5166 1.40E-86 329.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027797 6596 115.5 UdeM00000027797 XP_045194988.1 32.4 213
136 4 16 223 1194 1403 8.60E-23 115.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027798 29159 323.2 UdeM00000027798 XP_034313418.1 30.2 767
411 23 170 841 4708 5445 1.00E-84 323.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027799 29159 335.9 UdeM00000027799 XP_034313418.1 31.1 768
447 24 170 885 4708 5445 1.60E-88 335.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027800 6596 213.8 UdeM00000027800 XP_045194988.1 27.5 509
337 10 35 528 626 1117 5.40E-52 213.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027801 29159 160.2 UdeM00000027801 XP_034313418.1 31.8 280
169 7 14 283 5171 5438 3.90E-36 160.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027802 6596 370.2 UdeM00000027802 XP_045193405.1 31.6 831
463 28 52 827 1686 2466 7.10E-99 370.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027803 6579 69.3 UdeM00000027803 XP_033726800.1 29.2 113
78 1 63 173 5791 5903 7.80E-09 69.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027804 6596 359.8 UdeM00000027804 XP_045194988.1 29.6 812
487 27 77 843 626 1397 9.80E-96 359.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027805 6596 77.4 UdeM00000027805 XP_045194988.1 30.1 146
 96 3 4 143 998 1143 3.00E-11 77.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027806 29159 271.6 UdeM00000027806 XP_034313418.1 30.7 600
 376 20 9 593 4807 5381 2.50E-69 271.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027807 29159 310.1 UdeM00000027807 XP_034313418.1 31.4 665
 414 22 9 656 4807 5446 6.90E-81 310.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027808 6596 357.8 UdeM00000027808 XP_045193405.1 30.2 819
 483 25 52 825 1692 2466 3.60E-95 357.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027809 29159 375.6 UdeM00000027809 XP_034313418.1 31.9 836
 486 30 18 831 4671 5445 1.70E-100 375.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027810 7741 138.7 UdeM00000027810 XP_019641868.1 26.5 457
 256 14 83 521 973 1367 2.50E-29 138.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri

UdeM00000027811 6565 319.7 UdeM00000027811 XP_022305712.1 32.7 652
 401 20 67 702 75 704 9.30E-84 319.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027812 6565 313.5 UdeM00000027812 XP_022305712.1 32.1 685
 416 23 29 691 47 704 6.60E-82 313.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027813 6596 359.8 UdeM00000027813 XP_045194988.1 28.8 834
 535 20 18 823 601 1403 9.50E-96 359.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027814 6596 278.9 UdeM00000027814 XP_045194988.1 26.4 807
 460 18 52 753 626 1403 2.00E-71 278.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027815 6596 112.8 UdeM00000027815 XP_045174482.1 27.6 398
 223 17 5 353 2 383 8.70E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027816 6596 167.2 UdeM00000027816 XP_045181277.1 33.6 289
 174 8 130 406 139 421 4.50E-38 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027820 6596 86.3 UdeM00000027820 XP_045185032.1 54.8 73
 33 0 38 110 1 73 5.30E-14 86.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027821 6565 674.5 UdeM00000027821 XP_022322857.1 67.7 470
 143 1 12 472 37 506 1.00E-190 674.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027822 6573 405.2 UdeM00000027822 XP_021374920.1 44.4 462
 240 3 13 457 24 485 1.20E-109 405.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027823 6596 786.2 UdeM00000027823 XP_045214304.1 56.2 694
 291 9 20 708 12 697 3.60E-224 786.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027824 6573 327 UdeM00000027824 XP_021377525.1 39.7 574
 225 16 1 497 87 616 4.10E-86 327 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027825 6596 627.1 UdeM00000027825 XP_045182563.1 41.3 1069
 536 22 18 1051 58 1070 4.10E-176 627.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027826 6596 161 UdeM00000027826 XP_045171063.1 35.5 259
 152 6 2 249 41 295 2.50E-36 161 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027827 29159 73.2 UdeM00000027827 XP_034339171.1 36.3 102
 59 2 1 96 452 553 2.20E-10 73.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000027828 29159 232.6 UdeM00000027828 XP_034339171.1 38.8 325
182 8 1 312 452 772 6.70E-58 232.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000027829 29159 85.5 UdeM00000027829 XP_034331441.1 46.2 91
47 2 1 90 722 811 3.90E-14 85.5 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000027830 6573 125.9 UdeM00000027830 XP_021364238.1 49.3 136
61 2 5 132 26 161 3.70E-26 125.9 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000027831 6579 73.6 UdeM00000027831 XP_033744278.1 55.9 59
24 1 61 119 989 1045 2.20E-10 73.6 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000027832 6579 100.5 UdeM00000027832 XP_033741736.1 62 71
27 0 67 137 700 770 2.20E-18 100.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000027833 6596 472.2 UdeM00000027833 XP_045181551.1 73 318
80 1 17 334 209 520 5.40E-130 472.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000027834 6596 479.2 UdeM00000027834 XP_045181551.1 74.4 312
80 0 17 328 209 520 4.40E-132 479.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000027835 400727 255.4 UdeM00000027835 XP_025092029.1 60.7
244 78 5 15 247 568 804 1.50E-64 255.4 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaeniogl
ossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata
UdeM00000027836 6526 324.3 UdeM00000027836 XP_013068480.1 86.7 181
23 1 1 181 1 180 9.70E-86 324.3 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan
pulmonata; Hygrophila; Lymnaeioidea; Planorbidae; Biomphalaria; Biomphalaria
glabrata
UdeM00000027837 6579 753.1 UdeM00000027837 XP_033727266.1 65.9 742
240 4 1 730 1 741 3.40E-214 753.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000027838 6565 417.9 UdeM00000027838 XP_022309566.1 50.3 342
170 0 7 348 558 899 1.20E-113 417.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000027839 6596 321.2 UdeM00000027839 XP_045171211.1 47.9 284
146 1 8 289 3 286 1.30E-84 321.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027840 6596 262.7 UdeM00000027840 XP_045171211.1 46.7 261
134 3 10 265 24 284 5.20E-67 262.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027841 6596 96.7 UdeM00000027841 XP_045180326.1 43.5 124
63 2 27 150 54 170 3.40E-17 96.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027843 6596 259.2 UdeM00000027843 XP_045171211.1 49.3 229
114 1 2 228 58 286 4.90E-66 259.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027842 6596 318.5 UdeM00000027842 XP_045171211.1 47.5 284
147 1 8 289 3 286 8.70E-84 318.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000027844 30611 390.6 UdeM00000027844 XP_023364769.1 58.4 296
123 0 3 298 59 354 1.80E-105 390.6 30611 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Mammalia; Theria; Eutheria; Boreoeutheria; Euarchontoglires; Primates; Strepsirrhini; Lorisiformes; Galagidae; Otolemur; Otolemur garnettii

UdeM00000027845 6565 409.5 UdeM00000027845 XP_022309566.1 52.9 329
155 0 2 330 717 1045 4.20E-111 409.5 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000027846 6565 159.8 UdeM00000027846 XP_022328252.1 44.5 211
99 5 1 193 1105 1315 3.40E-36 159.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000027847 6565 407.5 UdeM00000027847 XP_022328252.1 49.5 432
 199 6 18 431 885 1315 2.10E-110 407.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027848 6565 466.1 UdeM00000027848 XP_022309566.1 54.3 357
 163 0 2 358 689 1045 4.10E-128 466.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027849 6945 62.8 UdeM00000027849 XP_042150637.1 35.7 112
 70 1 315 424 205 316 1.30E-06 62.8 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000027851 6596 199.5 UdeM00000027851 XP_045209410.1 51.1 178
 81 1 11 188 10 181 3.80E-48 199.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027852 6573 258.8 UdeM00000027852 XP_021377592.1 64.4 202
 70 2 3 202 7 208 5.60E-66 258.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027853 6596 68.6 UdeM00000027853 XP_045177843.1 31.2 144
 74 4 17 152 37 163 1.10E-08 68.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027854 35525 117.5 UdeM00000027854 XP_032791024.2 50.4 123
 61 0 6 128 4 126 1.30E-23 117.5 35525 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Bra
 nchiopoda;Phyllozoa;Diplostraca;Cladocera;Anomopoda;Daphniidae;Daphnia;D
 aphnia magna
 UdeM00000027855 396416 201.1 UdeM00000027855 XP_043585883.1 45.8
 238 127 1 7 242 5 242 1.70E-48 201.1 396416
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Apoidea;Apidae;Apinae;Bombini;Bombus;Melanobombus;Bombus pyrosoma
 UdeM00000027856 6596 1016.1 UdeM00000027856 XP_045209404.1 68.8
 720 222 3 2 720 5 722 2.10E-293 1016.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027857 6596 1020 UdeM00000027857 XP_045209404.1 68.8 724
 223 3 1 723 1 722 1.50E-294 1020 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027859 1735272 170.2 UdeM00000027859 XP_041361652.1 33.2
391 237 6 16 387 30 415 5.00E-39 170.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027861 6596 316.2 UdeM00000027861 XP_045202349.1 34.5 988
533 16 1 921 1 941 1.40E-82 316.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027862 1735272 159.8 UdeM00000027862 XP_041370779.1 31.6
358 238 4 16 368 22 377 6.60E-36 159.8 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027864 1735272 174.9 UdeM00000027864 XP_041370779.1 32.2
370 231 4 16 381 22 375 2.00E-40 174.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027865 6596 145.6 UdeM00000027865 XP_045165713.1 29.3 382
246 5 19 379 10 388 1.30E-31 145.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027866 6565 169.5 UdeM00000027866 XP_022321425.1 51 157
77 0 3 159 16 172 3.60E-39 169.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027867 29159 153.7 UdeM00000027867 XP_011445141.2 40.8 184
107 1 1 182 179 362 2.30E-34 153.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027868 6596 268.5 UdeM00000027868 XP_045193365.1 65.3 176
61 0 81 256 70 245 9.00E-69 268.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027869 6596 265.8 UdeM00000027869 XP_045194144.1 53.4 234
106 2 57 289 38 269 8.90E-68 265.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027870 6596 338.2 UdeM00000027870 XP_045202349.1 40.6 991
 517 16 1 969 1 941 3.60E-89 338.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027871 6596 343.6 UdeM00000027871 XP_045202349.1 31.9 658
 428 9 224 871 304 951 7.60E-91 343.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027872 6596 338.2 UdeM00000027872 XP_045202351.1 34.8 954
 558 11 1 896 1 948 3.30E-89 338.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027873 6596 75.5 UdeM00000027873 XP_045201970.1 30.3 175
 115 4 85 256 306 476 1.20E-10 75.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027874 6596 73.9 UdeM00000027874 XP_045201970.1 30.2 162
 109 3 5 163 316 476 2.40E-10 73.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027876 6596 330.1 UdeM00000027876 XP_045202349.1 32.9 633
 410 9 61 683 314 941 7.00E-87 330.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027877 6596 322.4 UdeM00000027877 XP_045202349.1 33.1 608
 395 8 2 602 339 941 1.30E-84 322.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027879 400727 106.3 UdeM00000027879 XP_025103735.1 47.2
 106 53 3 131 233 321 426 5.40E-20 106.3 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000027880 7176 106.3 UdeM00000027880 XP_038109987.1 44.9 127
 64 4 103 223 391 517 5.10E-20 106.3 7176 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Nematocera;Culicomorpha;Culicoidea;Culicidae;Culicinae;Culicini;Culex;Culex;Culex pipiens complex;Culex quinquefasciatus

UdeM00000027881 7668 63.2 UdeM00000027881 XP_030833544.1 45.9 61
33 0 6 66 891 951 2.80E-07 63.2 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000027883 29159 158.3 UdeM00000027883 XP_034329456.1 48.5 171
86 2 3 172 219 388 9.90E-36 158.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027884 29159 201.1 UdeM00000027884 XP_034331610.1 39.8 289
127 5 105 352 446 728 2.60E-48 201.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027886 6596 446 UdeM00000027886 XP_045181000.1 58.3 606
135 13 6 515 1033 1616 6.30E-122 446 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027889 6596 578.2 UdeM00000027889 XP_045182316.1 41.4 884
423 16 6 883 361 1155 1.80E-161 578.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027890 29159 285 UdeM00000027890 XP_011428124.2 53.9 256
117 1 1 255 1 256 9.40E-74 285 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027891 29159 284.6 UdeM00000027891 XP_011428124.2 54.4 252
114 1 4 254 5 256 1.20E-73 284.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027893 29159 117.5 UdeM00000027893 XP_011428125.2 62.8 94
35 0 8 101 4 97 1.40E-23 117.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027894 29159 114.8 UdeM00000027894 XP_011428125.2 53.5 114
50 1 6 119 4 114 1.00E-22 114.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027895 29159 116.7 UdeM00000027895 XP_034315479.1 46.4 110
50 3 4 112 8 109 2.20E-23 116.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027896 400727 174.1 UdeM00000027896 XP_025089754.1 41.9
234 122 5 50 275 42 269 2.60E-40 174.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000027897 6596 265.4 UdeM00000027897 XP_045194144.1 48.8 281
132 6 16 292 8 280 8.60E-68 265.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027899 6596 141.4 UdeM00000027899 XP_045158582.1 29.7 249
132 2 3 209 89 336 1.40E-30 141.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027901 6596 163.7 UdeM00000027901 XP_045186396.1 31.2 256
142 3 5 227 64 318 2.80E-37 163.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027902 6596 103.6 UdeM00000027902 XP_045164611.1 28.1 224
137 8 79 291 70 280 5.20E-19 103.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027903 6596 270 UdeM00000027903 XP_045194144.1 49.5 279
133 4 16 292 8 280 3.50E-69 270 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027904 412133 181.4 UdeM00000027904 XP_001301365.1 29
483 281 10 158 635 239 664 6.70E-42 181.4 412133
cellular

organisms;Eukaryota;Metamonada;Parabasalia;Trichomonadida;Trichomonadidae
;Trichomonas;Trichomonas vaginalis;Trichomonas vaginalis G3

UdeM00000027906 48498 194.9 UdeM00000027906 XP_020626127.1 24.4 634
410 13 387 978 104 710 5.80E-46 194.9 48498 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata

UdeM00000027907 6565 101.7 UdeM00000027907 XP_022311947.1 43.6 110
60 2 10 118 815 923 8.10E-19 101.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000027910 6596 331.6 UdeM00000027910 XP_045206316.1 50.1 337
164 2 45 380 84 417 1.50E-87 331.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027911 7668 106.3 UdeM00000027911 XP_011661625.2 38.6 145
77 3 2 137 1092 1233 3.20E-20 106.3 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000027916 50390 186 UdeM00000027916 XP_028154718.1 67.6 142
38 2 8 141 78 219 3.30E-44 186 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000027917 6596 589 UdeM00000027917 XP_045197768.1 54.3 505
228 2 1 502 48 552 5.90E-165 589 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027918 6596 602.4 UdeM00000027918 XP_045197768.1 54.1 519
235 2 33 548 34 552 5.60E-169 602.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027922 6596 142.9 UdeM00000027922 XP_045197768.1 46.4 140
75 0 1 140 413 552 3.10E-31 142.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027923 6596 303.9 UdeM00000027923 XP_045197768.1 62.4 221
83 0 4 224 132 352 1.80E-79 303.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027924 6596 306.2 UdeM00000027924 XP_045197768.1 62.6 222
83 0 4 225 132 353 3.60E-80 306.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027925 6596 86.7 UdeM00000027925 XP_045188836.1 52.5 59
28 0 129 187 29 87 3.80E-14 86.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000027927 6596 232.6 UdeM00000027927 XP_045206987.1 46.6 249
 128 4 1 244 122 370 5.20E-58 232.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027928 6596 290 UdeM00000027928 XP_045197768.1 61.4 223
 81 2 28 245 26 248 2.90E-75 290 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027929 6596 100.9 UdeM00000027929 XP_045181290.1 45.6 114
 57 1 29 137 36 149 1.40E-18 100.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027931 6596 178.3 UdeM00000027931 XP_045181290.1 58.4 149
 62 0 1 149 1 149 7.50E-42 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027932 6596 112.8 UdeM00000027932 XP_045180427.1 39 177
 105 2 76 250 98 273 6.50E-22 112.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027933 6573 134.8 UdeM00000027933 XP_021365376.1 51.6 128
 57 4 11 136 20 144 1.60E-28 134.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027934 6596 157.5 UdeM00000027934 XP_045215574.1 45.5 145
 77 1 202 346 15 157 4.50E-35 157.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027935 8049 72.8 UdeM00000027935 XP_030197744.1 29.9 127
 76 3 25 151 140 253 4.30E-10 72.8 8049 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
 e;Gadus;Gadus morhua
 UdeM00000027937 69319 122.1 UdeM00000027937 XP_014297673.1 38.5 200
 98 3 3 177 95 294 7.30E-25 122.1 69319 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para

sitoida; Ichneumonoidea; Braconidae; Microgastrinae; Microplitis; Microplitis demolitor
 UdeM00000027939 69319 122.1 UdeM00000027939 XP_014297673.1 38.5 200
 98 3 3 177 95 294 7.30E-25 122.1 69319 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Para
 sitoida; Ichneumonoidea; Braconidae; Microgastrinae; Microplitis; Microplitis
 demolitor
 UdeM00000027940 69319 122.1 UdeM00000027940 XP_014297673.1 38.5 200
 98 3 3 177 95 294 7.30E-25 122.1 69319 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Hymenoptera; Apocrita; Para
 sitoida; Ichneumonoidea; Braconidae; Microgastrinae; Microplitis; Microplitis
 demolitor
 UdeM00000027941 29159 193 UdeM00000027941 XP_019926413.2 58.1 167
 63 3 41 207 441 600 4.30E-46 193 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000027941 29159 73.2 UdeM00000027941 XP_019926413.2 89.2 37
 4 0 1 37 292 328 5.00E-10 73.2 29159 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
 eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000027942 6596 186 UdeM00000027942 XP_045202387.1 25.4 658
 413 16 133 753 77 693 1.70E-43 186 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027944 6596 68.6 UdeM00000027944 XP_045205668.1 26.6 143
 87 2 17 141 591 733 7.80E-09 68.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027945 6596 181.4 UdeM00000027945 XP_045203959.1 25.7 734
 480 16 44 753 32 724 4.30E-42 181.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027946 6596 181.4 UdeM00000027946 XP_045203959.1 25.6 735
 480 19 44 753 32 724 4.30E-42 181.4 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000027948 6596 98.6 UdeM00000027948 XP_045215606.1 23.7 392
 200 8 62 356 313 702 1.70E-17 98.6 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027949 6596 59.7 UdeM00000027949 XP_045181029.1 38.3 107
 61 3 114 216 104 209 7.80E-06 59.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027950 6596 145.6 UdeM00000027950 XP_045170933.1 25.7 424
 268 9 1 413 348 735 1.40E-31 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027951 6596 186.4 UdeM00000027951 XP_045170933.1 24.3 752
 490 21 46 759 25 735 1.30E-43 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034971 6579 110.5 UdeM00000034971 XP_033734341.1 39.6 154
 85 3 3 156 4 149 1.90E-21 110.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034972 29159 177.9 UdeM00000034972 XP_034311318.1 46.8 203
 91 8 4 193 127 325 1.50E-41 177.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034974 6565 67 UdeM00000034974 XP_022316733.1 40.8 71
 42 0 1 71 259 329 2.90E-08 67 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034975 6565 177.2 UdeM00000034975 XP_022322655.1 36.2 287
 89 3 4 197 330 615 3.10E-41 177.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034976 6565 77 UdeM00000034976 XP_022322655.1 50 76
 38 0 1 76 629 704 1.30E-11 77 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034977 29159 124 UdeM00000034977 XP_034330911.1 60.9 92
 34 2 1 91 308 398 1.00E-25 124 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034981 46514 134.8 UdeM00000034981 XP_038073135.1 44.2 156
 80 2 325 480 380 528 3.20E-28 134.8 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000034983 46514 120.6 UdeM00000034983 XP_038073135.1 42.6 148
78 2 1 148 393 533 1.80E-24 120.6 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000034987 29159 108.2 UdeM00000034987 XP_034315421.1 55.7 106
42 2 145 246 370 474 1.50E-20 108.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034988 29159 1035.8 UdeM00000034988 XP_034322147.1 52
975 417 5 1 948 3 953 3.40E-299 1035.8
29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034989 225164 104 UdeM00000034989 XP_009046685.1 68.1
69 22 0 83 151 167 235 1.70E-19 104 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000034990 6565 82 UdeM00000034990 XP_022322206.1 42.4 92
52 1 6 96 106 197 7.30E-13 82 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034991 7054 85.5 UdeM00000034991 XP_031356742.1 44 84
47 0 23 106 344 427 5.10E-14 85.5 7054 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
UdeM00000034993 29159 75.5 UdeM00000034993 XP_034315421.1 36.2 116
71 2 40 155 221 333 6.80E-11 75.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034996 29159 483.4 UdeM00000034996 XP_034322147.1 67.8 326
105 0 1 326 374 699 2.30E-133 483.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034997 6565 197.2 UdeM00000034997 XP_022306954.1 44.3 212
116 1 1 210 737 948 2.10E-47 197.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000035000 6596 131.7 UdeM00000035000 XP_045181000.1 69.3 88
27 0 29 116 867 954 6.10E-28 131.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000035001 6573 110.5 UdeM00000035001 XP_021346496.1 37.3 169
 99 3 1 169 406 567 2.60E-21 110.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038532 50390 166.4 UdeM00000038532 XP_028151694.1 24.1 685
 410 23 138 783 250 863 1.50E-37 166.4 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;
 Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;
 Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera
 UdeM00000038534 6573 411 UdeM00000038534 XP_021369526.1 55.3 338
 147 2 4 340 10 344 1.50E-111 411 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038535 37653 145.6 UdeM00000038535 XP_014774078.1 47.1 136
 71 1 6 140 7 142 5.20E-32 145.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;
 Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000038536 6573 869 UdeM00000038536 XP_021374219.1 73 555
 144 2 1 555 1 549 3.20E-249 869 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038537 6596 98.2 UdeM00000038537 XP_045172529.1 52.7 112
 42 2 8 108 6 117 6.80E-18 98.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000038538 6596 1047.7 UdeM00000038538 XP_045172405.1 68.7
 767 222 6 1 762 1 754 7.00E-303 1047.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000038539 29159 115.9 UdeM00000038539 XP_034338978.1 31.5 308
 190 9 94 386 41 342 1.10E-22 115.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000038540 29159 120.9 UdeM00000038540 XP_034338978.1 31.5 308
 191 8 94 387 41 342 3.60E-24 120.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;
 Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000038541 400727 119 UdeM00000038541 XP_025089279.1 56
 109 40 4 1 105 1 105 3.70E-24 119 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000038542 6596 642.9 UdeM00000038542 XP_045171233.1 48.3 667
 311 9 10 651 6 663 4.40E-181 642.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000038545 6573 328.2 UdeM00000038545 XP_021373130.1 50.9 330
 155 4 1 328 54 378 1.20E-86 328.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000038546 202533 80.5 UdeM00000038546 XP_035227235.1 62.7
 67 23 2 5 69 106 172 9.40E-13 80.5 202533
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;
 Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola
 UdeM00000038547 1735272 178.3 UdeM00000038547 XP_041350219.1 66.7
 165 48 4 59 218 154 316 1.60E-41 178.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;
 Gigantopelta;Gigantopelta aegis
 UdeM00000038548 6579 438.3 UdeM00000038548 XP_033748241.1 70.5 315
 88 3 1 310 3 317 1.10E-119 438.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000038552 195615 333.6 UdeM00000038552 XP_035017619.1 51
 312 151 1 15 324 9 320 2.90E-88 333.6 195615
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
 Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
 Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;
 Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;
 Percomorphaceae;Carangaria;Pleuronectiformes;Pleuronectoidei;Pleuronectidae;
 Hippoglossus;Hippoglossus stenolepis
 UdeM00000044442 133901 82.4 UdeM00000044442 XP_026284932.1 61.9
 63 24 0 1 63 1 63 2.50E-13 82.4 133901
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
 Dicondylia;Pterygota;Neoptera;Paraneoptera;Thysanoptera;Terebrantia;Thripidae;
 Thripidae;Thripinae;Frankliniella;Frankliniella occidentalis
 UdeM00000005481 6596 70.5 UdeM00000005481 XP_045165709.1 28.9 187
 110 9 54 235 1470 1638 7.70E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000005482 6596 70.5 UdeM00000005482 XP_045165709.1 28.9 187
 110 9 54 235 1470 1638 7.10E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000005483 6596 312.4 UdeM00000005483 XP_045161502.1 72.2 209
 56 2 1 208 1 208 5.00E-82 312.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000005484 2607531 71.2 UdeM00000005484 XP_029643184.1 33.6
 137 77 3 1 129 1 131 1.80E-09 71.2 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000005485 1735272 330.5 UdeM00000005485 XP_041353423.1 38.8
 485 274 7 3 476 60 532 4.60E-87 330.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005486 6565 181.8 UdeM00000005486 XP_022295065.1 59.3 145
 59 0 1 145 187 331 6.40E-43 181.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005487 29159 269.6 UdeM00000005487 XP_034313077.1 66.5 191
 64 0 2 192 107 297 5.40E-69 269.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005488 6500 323.6 UdeM00000005488 XP_005108212.1 45.6 388
 193 5 4 385 130 505 4.20E-85 323.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000005489 6565 314.3 UdeM00000005489 XP_022329962.1 61.3 292
 94 5 1 292 1 273 1.60E-82 314.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000005491 29159 485.7 UdeM00000005491 XP_011449697.1 72.7 333
 90 1 1 332 1 333 4.60E-134 485.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005492 6596 284.3 UdeM00000005492 XP_045184976.1 56.8 206
 89 0 1 206 1 206 1.30E-73 284.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005493 6596 640.6 UdeM00000005493 XP_045184976.1 60.2 548
183 8 1 524 218 754 1.80E-180 640.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005494 400727 164.5 UdeM00000005494 XP_025104772.1 46.2
160 86 0 35 194 30 189 1.40E-37 164.5 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005495 6565 101.3 UdeM00000005495 XP_022329838.1 38.5 182
100 7 1 181 1 171 1.80E-18 101.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005497 9244 78.6 UdeM00000005497 XP_030321995.1 38.4 125
56 6 2 126 1043 1146 1.70E-11 78.6 9244 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Neognathae;Caprimulgimorphae;Apodiformes;Trochilidae;Calypte;Calypte anna

UdeM00000005498 6596 809.7 UdeM00000005498 XP_045162023.1 57.2 680
281 5 20 693 5 680 2.90E-231 809.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005499 6596 310.1 UdeM00000005499 XP_045185533.1 44.3 379
199 8 52 425 22 393 4.50E-81 310.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005500 6596 328.9 UdeM00000005500 XP_045185527.1 44.8 359
192 3 24 378 3 359 8.30E-87 328.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005501 6596 467.2 UdeM00000005501 XP_045185496.1 86.8 265
35 0 1 265 1 265 1.40E-128 467.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005502 6596 475.7 UdeM00000005502 XP_045166271.1 68.7 332
103 1 1 331 1 332 6.70E-131 475.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005503 6596 523.1 UdeM00000005503 XP_045190303.1 53.4 485
223 3 6 487 11 495 3.80E-145 523.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005504 6596 526.2 UdeM00000005504 XP_045190303.1 53.4 485
223 3 6 487 11 495 4.50E-146 526.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005505 6596 533.5 UdeM00000005505 XP_045190303.1 54.3 484
218 3 6 487 13 495 2.80E-148 533.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005506 1606681 92.8 UdeM00000005506 XP_043081525.1 53.2
79 37 0 16 94 378 456 2.60E-16 92.8 1606681

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Cyprinidae;Smiliogastrinae;Puntigrus;Puntigrus tetrazona

UdeM00000005507 6596 89 UdeM00000005507 XP_045190303.1 59.1 66
27 0 13 78 430 495 3.00E-15 89 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005508 6596 490.7 UdeM00000005508 XP_045190303.1 49.4 484
241 3 6 486 13 495 2.10E-135 490.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005509 6579 219.2 UdeM00000005509 XP_033735923.1 67.9 165
53 0 19 183 7 171 5.90E-54 219.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005510 29159 172.6 UdeM00000005510 XP_034312908.1 25.9 649
318 18 5 523 6 621 1.40E-39 172.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005511 6579 241.9 UdeM00000005511 XP_033735922.1 36.1 382
220 3 11 391 14 372 1.40E-60 241.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000005512 6596 200.3 UdeM00000005512 XP_045176668.1 52 348
141 14 49 383 2 336 4.50E-48 200.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005514 6596 443.7 UdeM00000005514 XP_045172355.1 86.3 255
34 1 1 254 1 255 1.50E-121 443.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005515 6579 251.5 UdeM00000005515 XP_033736320.1 57.9 214
88 2 2 214 3 215 9.50E-64 251.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000005516 6596 251.5 UdeM00000005516 XP_045187784.1 46.9 258
136 1 6 262 7 264 1.20E-63 251.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005517 6596 354.4 UdeM00000005517 XP_045187784.1 41.4 461
225 6 6 465 7 423 3.80E-94 354.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005518 6596 66.2 UdeM00000005518 XP_045187784.1 66.7 45
15 0 126 170 379 423 1.30E-07 66.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005519 6596 511.9 UdeM00000005519 XP_045187705.1 58.5 463
149 11 1 432 4 454 7.90E-142 511.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000005520 37621 60.8 UdeM00000005520 XP_014669305.1 46.1 76
30 4 16 88 3840 3907 1.10E-06 60.8 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus
UdeM00000005521 6573 64.7 UdeM00000005521 XP_021341942.1 26.5 287
177 11 77 342 4717 4990 3.10E-07 64.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005522 7574 122.9 UdeM00000005522 XP_013386504.1 60.6 94
 37 0 1 94 486 579 9.30E-25 122.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000005524 6596 589.3 UdeM00000005524 XP_045216363.1 25.4 6502
 2905 205 1 6135 305 5226 5.50E-164 589.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005525 29159 335.9 UdeM00000005525 XP_034318058.1 73.2 220
 59 0 1 220 78 297 3.90E-89 335.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005526 6573 574.7 UdeM00000005526 XP_021341930.1 58 550
 213 4 6 553 9 542 1.30E-160 574.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005530 7574 89 UdeM00000005530 XP_013400039.1 34.8 161
 101 2 1 161 1 157 6.20E-15 89 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000005531 6596 1754.2 UdeM00000005531 XP_045174101.1 60.1
 1473 538 14 7 1441 6 1467 0.00E+00 1754.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005534 6573 582 UdeM00000005534 XP_021341940.1 68.3 394
 125 0 1 394 994 1387 5.60E-163 582 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005535 6596 372.9 UdeM00000005535 XP_045172941.1 48.3 511
 192 14 1 506 291 734 1.10E-99 372.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005536 6596 311.6 UdeM00000005536 XP_045172941.1 58.7 259
 97 2 25 273 28 286 1.30E-81 311.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005537 6596 486.5 UdeM00000005537 XP_045172951.1 65.4 356
 120 2 1 356 1 353 3.80E-134 486.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005538 6596 657.9 UdeM00000005538 XP_045172970.1 75.1 417
 104 0 1 417 1 417 8.60E-186 657.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005539 6579 804.3 UdeM00000005539 XP_033747726.1 50.7 773
 356 7 1 772 3 751 1.40E-229 804.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005540 6596 471.5 UdeM00000005540 XP_045181100.1 71.2 302
 87 0 1 302 1 302 8.20E-130 471.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005541 6596 873.6 UdeM00000005541 XP_045161126.1 65.9 633
 214 2 1 631 1 633 1.50E-250 873.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005542 6596 671 UdeM00000005542 XP_045187145.1 72.7 440
 120 0 6 445 7 446 1.00E-189 671 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005543 29159 359 UdeM00000005543 XP_011415824.1 84.6 195
 30 0 1 195 1 195 3.80E-96 359 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005544 6596 68.2 UdeM00000005544 XP_045188034.1 38.2 102
 51 1 6 95 84 185 7.20E-09 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005545 6596 517.7 UdeM00000005545 XP_045210495.1 50.9 686
 308 7 84 768 117 774 2.50E-143 517.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005546 6596 192.6 UdeM00000005546 XP_045187378.1 67.4 135
 44 0 6 140 5 139 1.10E-45 192.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005547 29159 226.1 UdeM00000005547 XP_034325278.1 52.7 364
 157 4 1 358 1 355 7.10E-56 226.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005548 6596 1417.5 UdeM00000005548 XP_045185726.1 54.6
 1362 555 16 2 1342 357 1676 0.00E+00 1417.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005549 7739 616.7 UdeM00000005549 XP_035665106.1 65.6 465
 158 1 11 475 3 465 2.50E-173 616.7 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000005551 6596 180.6 UdeM00000005551 XP_045157471.1 41.6 231
 115 2 21 249 15 227 2.40E-42 180.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005550 6573 406 UdeM00000005550 XP_021371146.1 46.8 417
 222 0 74 490 46 462 6.90E-110 406 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005552 6573 258.1 UdeM00000005552 XP_021371146.1 53.4 223
 104 0 3 225 240 462 1.10E-65 258.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000005554 6596 311.6 UdeM00000005554 XP_045175380.1 43.6 431
 236 4 1 428 16 442 1.60E-81 311.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005555 6596 315.8 UdeM00000005555 XP_045175380.1 43.9 433
 236 4 26 455 14 442 8.90E-83 315.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005556 6596 2072.4 UdeM00000005556 XP_045186863.1 61.1
 1808 651 18 4 1792 6 1779 0.00E+00 2072.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005557 6596 866.7 UdeM00000005557 XP_045186863.1 64.9 664
 211 4 1 662 975 1618 1.90E-248 866.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005561 6596 555.1 UdeM00000005561 XP_045190527.1 47.3 598
289 3 1 576 36 629 1.10E-154 555.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005562 6573 566.6 UdeM00000005562 XP_021344408.1 51.3 571
262 10 25 579 28 598 3.60E-158 566.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005563 6596 423.3 UdeM00000005563 XP_045162799.1 50 478
219 4 10 487 13 470 4.30E-115 423.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005564 6579 99.4 UdeM00000005564 XP_033734292.1 53.6 110
38 4 183 289 205 304 8.10E-18 99.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005565 6565 1140.9 UdeM00000005565 XP_022332033.1 86.8
728 89 3 1 728 1 721 0.00E+00 1140.9 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005567 6565 1135.9 UdeM00000005567 XP_022332033.1 86.2
724 93 3 1 720 1 721 0.00E+00 1135.9 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005566 6565 1135.9 UdeM00000005566 XP_022332033.1 86.2
724 93 3 2 721 1 721 0.00E+00 1135.9 6565
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005568 6596 897.5 UdeM00000005568 XP_045162779.1 73.5 593
135 6 1 590 1 574 9.20E-258 897.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005569 6596 655.6 UdeM00000005569 XP_045162751.1 56 587
245 3 1 578 1 583 5.90E-185 655.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005570 6596 648.3 UdeM00000005570 XP_045162751.1 55.4 587
 249 3 1 578 1 583 9.40E-183 648.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005571 6596 123.2 UdeM00000005571 XP_045187190.1 39.2 143
 87 0 3 145 4 146 2.70E-25 123.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005572 6596 114.4 UdeM00000005572 XP_045187190.1 37.1 143
 87 1 3 142 4 146 1.20E-22 114.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005573 6596 119 UdeM00000005573 XP_045179362.1 41.6 149
 84 3 12 158 64 211 5.60E-24 119 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005574 6596 119 UdeM00000005574 XP_045187191.1 39.2 143
 87 0 3 145 4 146 5.10E-24 119 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005576 400727 84 UdeM00000005576 XP_025095657.1 44
 91 39 2 169 252 1117 1202 6.10E-13 84 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000005577 6596 180.6 UdeM00000005577 XP_045187601.1 51.6 184
 88 1 1 184 3 185 2.60E-42 180.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005578 6596 749.2 UdeM00000005578 XP_045163165.1 60.5 602
 238 0 1 602 1 602 4.10E-213 749.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005579 6596 117.1 UdeM00000005579 XP_045186953.1 24.4 541
 361 17 28 557 1 504 9.90E-23 117.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000005580 6579 172.9 UdeM00000005580 XP_033735009.1 50.2 207
 98 4 203 408 170 372 8.30E-40 172.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005581 225164 62.4 UdeM00000005581 XP_009055795.1 39.4
 71 43 0 7 77 3 73 3.10E-07 62.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000005582 1735272 370.2 UdeM00000005582 XP_041352026.1 85.9
 249 30 3 1 246 1 247 2.10E-99 370.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000005583 400727 125.6 UdeM00000005583 XP_025105878.1 37.6
 194 103 5 9 192 11 196 7.00E-26 125.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000005584 6596 1212.2 UdeM00000005584 XP_045173723.1 84.2
 836 128 3 9 843 6 838 0.00E+00 1212.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005585 2607531 1163.7 UdeM00000005585 XP_029642674.1
 74.4 886 165 7 1 880 3 832 0.00E+00 1163.7
 2607531 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000005589 6850 63.5 UdeM00000005589 XP_022241012.1 42 81
 43 1 37 113 219 299 2.60E-07 63.5 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000005590 7719 200.3 UdeM00000005590 XP_004227365.1 53.4 161
 75 0 6 166 2 162 1.90E-48 200.3 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Phlebobranhia;Cionidae;Ciona;Ciona
 intestinalis
 UdeM00000005591 7054 270.4 UdeM00000005591 XP_031350480.1 53.4 219
 101 1 1 218 249 467 2.00E-69 270.4 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis

UdeM00000005592 110368 154.8 UdeM00000005592 XP_023937102.1 32.6
 313 199 7 18 321 34 343 2.20E-34 154.8 110368
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoide
 a;Nymphalidae;Satyrinae;Satyrini;Mycalesina;Bicyclus;Bicyclus anynana
 UdeM00000005593 110368 163.3 UdeM00000005593 XP_023937102.1 32.5
 335 214 7 114 439 12 343 7.50E-37 163.3 110368
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
 era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoide
 a;Nymphalidae;Satyrinae;Satyrini;Mycalesina;Bicyclus;Bicyclus anynana
 UdeM00000005594 7054 445.3 UdeM00000005594 XP_031328250.1 47.4 468
 219 3 1 442 1 467 9.20E-122 445.3 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000005595 6596 185.3 UdeM00000005595 XP_045163472.1 46.6 208
 106 2 2 209 20 222 8.20E-44 185.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005596 400727 892.1 UdeM00000005596 XP_025089151.1 89.5
 505 52 1 1 505 1 504 3.30E-256 892.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000005597 6596 579.3 UdeM00000005597 XP_045176703.1 76.8 397
 61 7 31 410 357 739 3.80E-162 579.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005598 6596 570.5 UdeM00000005598 XP_045176713.1 80.3 370
 52 7 31 383 357 722 1.60E-159 570.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005599 29159 77 UdeM00000005599 XP_011451629.2 38.8 121
 71 3 7 126 13 131 1.90E-11 77 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000005600 29159 77 UdeM00000005600 XP_011451629.2 38.8 121
 71 3 3 122 13 131 1.90E-11 77 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005601 6596 66.6 UdeM00000005601 XP_045193083.1 32.1 131
83 2 1 127 1 129 2.60E-08 66.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005602 29159 75.1 UdeM00000005602 XP_011451629.2 39.7 121
70 3 7 126 13 131 7.30E-11 75.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005603 6596 69.7 UdeM00000005603 XP_045214773.1 33.3 126
84 0 1 126 1 126 3.10E-09 69.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005604 6579 68.2 UdeM00000005604 XP_033732683.1 35.8 120
74 1 3 122 13 129 8.60E-09 68.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000005605 6596 72 UdeM00000005605 XP_045214773.1 34.1 126
83 0 1 126 1 126 6.20E-10 72 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005606 29159 71.6 UdeM00000005606 XP_011451629.2 38.5 122
70 4 3 122 13 131 7.80E-10 71.6 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005607 6579 436 UdeM00000005607 XP_033733997.1 61.9 362
102 6 1 356 1 332 4.70E-119 436 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000005608 29159 172.2 UdeM00000005608 XP_011449844.1 23.1 711
477 20 8 688 5 675 2.40E-39 172.2 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005611 29159 100.9 UdeM00000005611 XP_034308868.1 30.5 167
113 1 21 187 20 183 4.80E-18 100.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005613 6596 436.8 UdeM00000005613 XP_045161383.1 45.6 485
236 5 1 485 1 457 3.70E-119 436.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005614 6579 257.3 UdeM00000005614 XP_033735746.1 39 554
 251 15 309 854 337 811 6.90E-65 257.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000005615 6596 291.6 UdeM00000005615 XP_045187156.1 80.9 178
 34 0 1 178 1 178 6.90E-76 291.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005616 6596 525 UdeM00000005616 XP_045187156.1 70.3 357
 105 1 15 371 188 543 4.50E-145 525 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005616 6596 273.5 UdeM00000005616 XP_045187156.1 78.4 167
 36 0 2010 2176 547 713 2.40E-69 273.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005617 6596 82 UdeM00000005617 XP_045187159.1 31.2 237
 125 7 107 339 96 298 2.10E-12 82 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005618 6596 975.7 UdeM00000005618 XP_045187162.1 55.8 1015
 348 28 1 958 1 971 4.20E-281 975.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005619 6596 1219.9 UdeM00000005619 XP_045187161.1 38.1
 1902 1048 33 23 1880 20 1836 0.00E+00 1219.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005620 6596 1206.8 UdeM00000005620 XP_045187161.1 37.9
 1902 1045 34 23 1873 20 1836 0.00E+00 1206.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005621 6596 856.3 UdeM00000005621 XP_045187163.1 61.9 666
 246 4 1 658 1 666 2.70E-245 856.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005622 400727 270.4 UdeM00000005622 XP_025105951.1 32.7
502 321 12 77 569 92 585 5.40E-69 270.4 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005623 6596 578.9 UdeM00000005623 XP_045187173.1 66.9 444
142 2 58 500 14 453 6.10E-162 578.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005624 1735272 451.1 UdeM00000005624 XP_041355157.1 87.8
246 30 0 1 246 1 246 9.40E-124 451.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005625 6596 684.5 UdeM00000005625 XP_045187176.1 76.7 604
99 7 1 578 1 588 1.20E-193 684.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005626 6596 682.6 UdeM00000005626 XP_045187175.1 76.4 609
100 8 1 581 1 593 4.50E-193 682.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005627 7574 110.2 UdeM00000005627 XP_013408026.1 32.9 164
98 4 392 543 415 578 8.70E-21 110.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000005628 6573 146.4 UdeM00000005628 XP_021377785.1 27.4 343
213 6 40 354 15 349 7.10E-32 146.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000005629 37621 151.4 UdeM00000005629 XP_014678815.1 36 261
144 5 47 293 38 289 1.80E-33 151.4 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000005630 2652724 233.8 UdeM00000005630 XP_020903442.1 41.7
300 153 5 10 301 290 575 3.00E-58 233.8 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000005631 2652724 155.2 UdeM00000005631 XP_020903442.1 43.7
 199 88 1 9 183 2 200 1.00E-34 155.2 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000005632 7741 234.2 UdeM00000005632 XP_019636537.1 24.7 960
 622 29 120 1017 65 985 7.50E-58 234.2 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000005633 7739 110.2 UdeM00000005633 XP_035666835.1 33.7 163
 96 5 54 204 368 530 3.40E-21 110.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000005634 7739 110.2 UdeM00000005634 XP_035666835.1 33.7 163
 96 5 164 314 368 530 5.20E-21 110.2 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000005635 10224 165.6 UdeM00000005635 XP_006813734.1 28.8 333
 224 7 122 445 69 397 1.50E-37 165.6 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000005636 45264 108.6 UdeM00000005636 XP_044165179.1 34.5 174
 111 2 1 172 239 411 9.30E-21 108.6 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000005637 2652724 164.1 UdeM00000005637 XP_020903442.1 42.7
 199 113 1 9 206 2 200 2.10E-37 164.1 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000005638 7741 197.2 UdeM00000005638 XP_019640989.1 21.6 916
 558 28 119 893 102 998 8.90E-47 197.2 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000005640 7574 99.8 UdeM00000005640 XP_013408026.1 32.4 148
 91 3 1 139 431 578 3.20E-18 99.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000005641 7741 191 UdeM00000005641 XP_019640989.1 22.2 863
 592 24 1 805 157 998 5.80E-45 191 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000005642 6596 602.4 UdeM00000005642 XP_045187175.1 76.3 548
 110 7 69 612 62 593 6.20E-169 602.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000005643 7741 171.8 UdeM00000005643 XP_019640989.1 25.2 433
 292 11 107 512 110 537 3.10E-39 171.8 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri
 UdeM00000005644 6596 79.3 UdeM00000005644 XP_045181558.1 36 136
 86 1 21 155 4 139 5.50E-12 79.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM000000044445 50429 156.4 UdeM000000044445 XP_022809021.1 74.8 107
 27 0 6 112 243 349 2.80E-35 156.4 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata
 UdeM000000044446 69820 532.3 UdeM000000044446 XP_022835978.1 71.2 368
 106 0 2 369 20 387 4.80E-148 532.3 69820 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Noctuoidea;Noctuidae;Amphipyrrinae;Spodoptera;Spodoptera litura
 UdeM000000044447 116153 99 UdeM000000044447 XP_019872652.1 43
 100 55 1 2 99 204 303 3.70E-18 99 116153
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Cucujoidea;Nitidulidae;Nitidulinae;Aethina;Aethina tumida
 UdeM00000010422 6596 124.4 UdeM00000010422 XP_045206291.1 41.1 175
 92 2 32 199 111 281 1.70E-25 124.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000010423 6596 190.3 UdeM00000010423 XP_045169782.1 41.8 225
 110 2 1 204 56 280 2.60E-45 190.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000010424 50390 450.3 UdeM00000010424 XP_028142380.1 58.3 324
 135 0 2 325 77 400 2.30E-123 450.3 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 UdeM00000010426 6565 66.2 UdeM00000010426 XP_022299602.1 40.2 92
 47 3 1 92 80 163 1.30E-07 66.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010427 6596 214.5 UdeM00000010427 XP_045177776.1 41.6 262
147 3 182 442 700 956 3.60E-52 214.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010428 6573 117.9 UdeM00000010428 XP_021371412.1 52.6 97
45 1 2 98 1012 1107 9.10E-24 117.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000010429 6565 126.3 UdeM00000010429 XP_022297447.1 39.3 183
55 2 40 166 38 220 5.50E-26 126.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010430 50390 440.3 UdeM00000010430 XP_028154228.1 54.4 344
142 1 2 345 228 556 2.30E-120 440.3 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera
UdeM00000010431 50390 204.1 UdeM00000010431 XP_028153657.1 68.8 128
40 0 2 129 34 161 1.00E-49 204.1 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera
UdeM00000010432 50390 533.5 UdeM00000010432 XP_028148951.1 56.8 410
177 0 2 411 400 809 2.40E-148 533.5 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera
UdeM00000010433 29159 209.1 UdeM00000010433 XP_034313077.1 77.3 119
27 0 1 119 1 119 4.50E-51 209.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010434 29159 60.1 UdeM00000010434 XP_034319277.1 44.2 77
38 1 1 72 42 118 1.70E-06 60.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010435 6565 125.9 UdeM00000010435 XP_022306621.1 77.5 71
 16 0 1 71 1 71 2.00E-26 125.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010436 50390 562.8 UdeM00000010436 XP_028142380.1 59 388
 159 0 2 389 49 436 3.50E-157 562.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010437 29159 441 UdeM00000010437 XP_034313077.1 63.5 323
 118 0 1 323 1 323 1.30E-120 441 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010439 1735272 410.2 UdeM00000010439 XP_041372570.1 57.8
 313 131 1 1 312 94 406 2.30E-111 410.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010440 50390 509.2 UdeM00000010440 XP_028154228.1 60.2 354
 141 0 2 355 116 469 4.20E-141 509.2 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010442 1735272 152.1 UdeM00000010442 XP_041366822.1 39.2
 232 134 3 354 579 3 233 4.10E-33 152.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010443 6565 472.6 UdeM00000010443 XP_022309566.1 61.2 348
 132 2 1 346 643 989 4.20E-130 472.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010444 6087 271.6 UdeM00000010444 XP_012565456.1 49.6 272
 123 6 4 272 756 1016 1.10E-69 271.6 6087 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
 oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
 UdeM00000010445 150288 300.4 UdeM00000010445 XP_020788097.1 61.5
 208 80 0 1 208 365 572 1.70E-78 300.4 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000010446 150288 247.7 UdeM00000010446 XP_020788097.1 66
 159 54 0 2 160 383 541 1.00E-62 247.7 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000010447 50390 641 UdeM00000010447 XP_028142380.1 59.6 436
 176 0 2 437 21 456 1.20E-180 641 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010448 6565 387.1 UdeM00000010448 XP_022309566.1 61.7 261
 99 1 2 262 605 864 1.80E-104 387.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010449 50390 371.7 UdeM00000010449 XP_028142380.1 57.4 270
 114 1 2 270 77 346 8.00E-100 371.7 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010450 6087 272.3 UdeM00000010450 XP_012565456.1 49.4 271
 125 7 46 314 756 1016 7.70E-70 272.3 6087 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
 oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
 UdeM00000010451 7739 77.8 UdeM00000010451 XP_035659254.1 37.4 99
 57 1 2 95 824 922 8.50E-12 77.8 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000010452 7574 73.9 UdeM00000010452 XP_013388573.1 41.2 114
 64 2 1 113 828 939 1.50E-10 73.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000010453 50390 290.8 UdeM00000010453 XP_028149219.1 55 238
 96 2 3 230 146 382 1.60E-75 290.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000010454 6565 152.5 UdeM00000010454 XP_022309566.1 69.9 93
 28 0 1 93 615 707 2.60E-34 152.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010455 1250792 166 UdeM00000010455 XP_041857892.1 69.9
 103 30 1 2 104 377 478 2.90E-38 166 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
 eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani
 UdeM00000010457 1250792 211.8 UdeM00000010457 XP_041858049.1 62.6
 147 54 1 1 147 69 214 5.70E-52 211.8 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
 eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani
 UdeM00000010456 6565 355.1 UdeM00000010456 XP_022309566.1 60.8 260
 101 1 2 261 754 1012 7.40E-95 355.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010458 6105 107.1 UdeM00000010458 XP_031561747.1 52.3 86
 41 0 1 86 1 86 1.50E-20 107.1 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000010460 6596 62.4 UdeM00000010460 XP_045177022.1 54.2 48
 22 0 1 48 20 67 4.80E-07 62.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010461 50390 529.6 UdeM00000010461 XP_028142380.1 58.8 369
 152 0 2 370 49 417 3.10E-147 529.6 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010462 8218 355.1 UdeM00000010462 XP_034089596.1 55 291
 89 3 1 252 451 738 7.20E-95 355.1 8218 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps

UdeM00000010463 52239 351.7 UdeM00000010463 XP_033949456.1 64.5 231
 81 1 1 231 1 230 7.30E-94 351.7 52239 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Channichthyidae;Pseudochaenichthys;Pseudochaenichthys georgianus
 UdeM00000010464 150288 290.8 UdeM00000010464 XP_020788097.1 60.8
 204 80 0 1 204 365 568 1.40E-75 290.8 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris
 UdeM00000010465 441366 288.9 UdeM00000010465 XP_028318794.1 61.7
 206 79 0 1 206 482 687 5.20E-75 288.9 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000010466 441366 194.9 UdeM00000010466 XP_028309546.1 68.5
 124 39 0 1 124 271 394 6.10E-47 194.9 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000010467 441366 288.1 UdeM00000010467 XP_028318794.1 61.7
 206 79 0 1 206 482 687 8.80E-75 288.1 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000010468 441366 194.9 UdeM00000010468 XP_028309546.1 68.5
 124 39 0 1 124 271 394 6.10E-47 194.9 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000010469 441366 288.9 UdeM00000010469 XP_028318794.1 62.1
206 78 0 1 206 482 687 5.20E-75 288.9 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000010470 441366 196.4 UdeM00000010470 XP_028309546.1 69.4
124 38 0 1 124 271 394 2.10E-47 196.4 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000010471 13397 91.7 UdeM00000010471 XP_041069283.1 43.4 113
58 2 2 109 48 159 6.90E-16 91.7 13397 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharodon;Carcharodon carcharias

UdeM00000010472 150288 221.5 UdeM00000010472 XP_020788097.1 63.8
149 53 1 1 149 421 568 7.50E-55 221.5 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000010473 52239 173.7 UdeM00000010473 XP_033948871.1 64.2 120
43 0 1 120 98 217 1.50E-40 173.7 52239 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Channichthyidae;Pseudochaenichthys;Pseudochaenichthys georgianus

UdeM00000010474 1735272 213.4 UdeM00000010474 XP_041372570.1 64.8
145 51 0 1 145 1005 1149 2.00E-52 213.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010475 8218 152.5 UdeM00000010475 XP_034088853.1 70.5 95
28 0 1 95 275 369 2.70E-34 152.5 8218 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Notothen
ioidei;Bathdraconidae;Gymnodraco;Gymnodraco acuticeps

UdeM00000010476 50390 243.8 UdeM00000010476 XP_028154228.1 64.5 152
54 0 1 152 126 277 1.40E-61 243.8 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera

UdeM00000010477 6565 229.9 UdeM00000010477 XP_022309566.1 68.4 152
46 2 1 152 643 792 4.50E-57 229.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010478 1735272 138.3 UdeM00000010478 XP_041347065.1 64.9
97 34 0 1 97 1 97 6.20E-30 138.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010479 6565 559.3 UdeM00000010479 XP_022309566.1 61.2 400
155 0 1 400 643 1042 4.00E-156 559.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010480 6596 66.6 UdeM00000010480 XP_045170483.1 42.3 71
40 1 1 70 8 78 2.00E-08 66.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010482 50390 531.2 UdeM00000010482 XP_028142380.1 58.8 369
152 0 2 370 49 417 1.10E-147 531.2 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera

UdeM00000010483 6565 94.4 UdeM00000010483 XP_022322655.1 35 197
93 8 48 220 561 746 2.00E-16 94.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010484 29159 144.1 UdeM00000010484 XP_034299474.1 52 148
64 3 1 141 329 476 2.80E-31 144.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010485 6596 93.2 UdeM00000010485 XP_045193669.1 30.9 191
 95 4 1 157 740 927 3.20E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010486 441366 182.2 UdeM00000010486 XP_028318793.1 63.8
 127 37 1 2 128 654 771 4.30E-43 182.2 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000010487 6565 62 UdeM00000010487 XP_022299023.1 48.5 68
 34 1 1 68 148 214 3.60E-07 62 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010488 7574 102.4 UdeM00000010488 XP_013388573.1 40.8 147
 85 1 1 147 795 939 5.00E-19 102.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000010489 8218 507.3 UdeM00000010489 XP_034089596.1 63 354
 131 0 2 355 441 794 1.60E-140 507.3 8218 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps
 UdeM00000010490 6596 79 UdeM00000010490 XP_045207454.1 45.7 94
 42 2 3 96 2 86 4.20E-12 79 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010491 441366 420.6 UdeM00000010491 XP_028309546.1 64.2
 293 105 0 1 293 243 535 1.60E-114 420.6 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000010493 7092 100.9 UdeM00000010493 XP_028032122.1 69.8 63
 19 0 2 64 307 369 1.20E-18 100.9 7092 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Bombycoidea;Bombycidae;Bombycinae;Bombyx;Bombyx mandarina

UdeM00000010494 6596 374 UdeM00000010494 XP_045177779.1 40.2 517
287 8 1 500 97 608 3.80E-100 374 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010496 6596 349.7 UdeM00000010496 XP_045182627.1 66.1 319
91 7 1 311 1 310 3.70E-93 349.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010497 6596 226.9 UdeM00000010497 XP_045182444.1 44.7 282
140 6 1 268 171 450 3.40E-56 226.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010498 6596 430.6 UdeM00000010498 XP_045182444.1 46.9 473
230 8 25 482 14 480 2.60E-117 430.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010499 6596 832.4 UdeM00000010499 XP_045180373.1 59.9 666
265 2 1 664 1 666 4.00E-238 832.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010501 6596 197.6 UdeM00000010501 XP_045182148.1 29.6 678
393 28 22 660 20 652 5.30E-47 197.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010502 6596 205.3 UdeM00000010502 XP_045176768.1 35.5 290
183 2 4 292 34 320 1.30E-49 205.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010503 29159 200.3 UdeM00000010503 XP_011413207.2 83.9 118
19 0 105 222 29 146 4.10E-48 200.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010506 6596 97.4 UdeM00000010506 XP_045188065.1 28.7 209
145 2 2 206 159 367 2.50E-17 97.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010507 6596 120.9 UdeM00000010507 XP_045206702.1 27 452
 305 9 47 477 37 484 4.40E-24 120.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010508 50390 464.2 UdeM00000010508 XP_028154228.1 52 342
 164 0 4 345 267 608 1.50E-127 464.2 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010509 6596 139.8 UdeM00000010509 XP_045200918.1 21.8 1103
 687 43 471 1475 914 1939 2.90E-29 139.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010510 6596 139.8 UdeM00000010510 XP_045200918.1 21.8 1103
 687 43 506 1510 914 1939 3.00E-29 139.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010511 50390 566.6 UdeM00000010511 XP_028148951.1 58.5 407
 169 0 1 407 410 816 2.50E-158 566.6 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010512 40690 115.2 UdeM00000010512 XP_033989749.1 59.6 89
 35 1 1 88 839 927 4.40E-23 115.2 40690 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Nototheniidae;Trematomus;Trematomus bernacchii
 UdeM00000010513 50390 327.8 UdeM00000010513 XP_028148913.1 57.4 235
 99 1 1 235 555 788 1.10E-86 327.8 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010514 6565 174.9 UdeM00000010514 XP_022291128.1 55.4 148
 66 0 168 315 94 241 1.70E-40 174.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010515 6565 435.3 UdeM00000010515 XP_022345219.1 51.8 384
182 2 1 382 1 383 8.30E-119 435.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010516 6596 74.7 UdeM00000010516 XP_045215643.1 44.4 81
42 1 1 78 1 81 5.80E-11 74.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010518 6565 101.3 UdeM00000010518 XP_022299602.1 41.7 132
70 4 78 204 2 131 1.50E-18 101.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010519 6596 73.6 UdeM00000010519 XP_045192981.1 25.9 189
130 4 6 191 23 204 3.30E-10 73.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010520 29159 67.8 UdeM00000010520 XP_034329354.1 59.3 54
21 1 16 68 190 243 6.40E-09 67.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010521 6596 89.4 UdeM00000010521 XP_045208792.1 41.5 135
73 2 1 129 1 135 8.40E-15 89.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010522 1735272 175.3 UdeM00000010522 XP_041363079.1 68.7
131 40 1 17 146 132 262 5.90E-41 175.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000010523 8078 166 UdeM00000010523 XP_036002885.1 42.3 213
98 3 1 191 1 210 4.80E-38 166 8078 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoides;Fundulidae;Fundulus;Fundulus
heteroclitus
UdeM00000010524 6596 375.9 UdeM00000010524 XP_045177779.1 39 521
306 7 1 518 97 608 1.30E-100 375.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010525 6596 380.6 UdeM00000010525 XP_045177779.1 39.1 519
306 6 1 516 97 608 5.40E-102 380.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010526 6596 323.2 UdeM00000010526 XP_045177779.1 36.6 503
307 6 1 497 97 593 8.10E-85 323.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010527 6596 123.2 UdeM00000010527 XP_045187052.1 58.7 104
41 2 38 140 186 288 2.70E-25 123.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010528 6596 88.6 UdeM00000010528 XP_045202576.1 56 91
32 2 1 83 124 214 8.40E-15 88.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010529 6596 84 UdeM00000010529 XP_045202576.1 57.7 78
26 1 10 80 137 214 2.00E-13 84 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010530 6596 283.1 UdeM00000010530 XP_045177779.1 40.2 361
209 6 95 449 273 632 8.40E-73 283.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010531 29159 114 UdeM00000010531 XP_034307341.1 32.5 197
96 3 3 162 5 201 2.90E-22 114 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010532 441366 438 UdeM00000010532 XP_028309531.1 55
382 172 0 2 383 264 645 1.30E-119 438 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000010534 50390 550.1 UdeM00000010534 XP_028142380.1 59.2 382
 156 0 2 383 49 430 2.30E-153 550.1 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera

UdeM00000010536 6596 142.1 UdeM00000010536 XP_045216906.1 35 223
 103 4 120 302 176 396 1.20E-30 142.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010537 8218 277.7 UdeM00000010537 XP_034089596.1 58.2 225
 92 2 1 225 535 757 1.40E-71 277.7 8218 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps

UdeM00000010538 1250792 366.7 UdeM00000010538 XP_041857893.1 60.1
 263 105 0 2 264 209 471 2.50E-98 366.7 1250792
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Ath
 eriniformes;Melanotaeniidae;Melanotaenia;Melanotaenia boesemani

UdeM00000010539 150288 260.4 UdeM00000010539 XP_020788097.1 61.9
 181 68 1 1 181 365 544 1.70E-66 260.4 150288
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;
 Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000010542 1735272 305.1 UdeM00000010542 XP_041347017.1 50
 312 121 3 8 286 90 399 1.00E-79 305.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010543 6579 204.5 UdeM00000010543 XP_033743002.1 44.1 220
 121 2 113 330 10 229 2.10E-49 204.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010544 7739 195.3 UdeM00000010544 XP_035659254.1 38.1 307
 176 5 1 303 579 875 1.10E-46 195.3 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000010545 50390 80.9 UdeM00000010545 XP_028135830.1 37.9 103
52 1 1 91 201 303 9.60E-13 80.9 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;
Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;
Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;
Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000010546 29159 82.8 UdeM00000010546 XP_034331441.1 38.7 119
71 1 1 117 883 1001 3.20E-13 82.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010548 6596 226.5 UdeM00000010548 XP_045216906.1 41.3 271
131 5 1 269 154 398 5.50E-56 226.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010549 6573 62.4 UdeM00000010549 XP_021339675.1 38.1 97
56 2 5 97 81 177 5.80E-07 62.4 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010550 29159 161.8 UdeM00000010550 XP_034319609.1 52.3 132
63 0 44 175 823 954 8.10E-37 161.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010551 29159 96.3 UdeM00000010551 XP_034315421.1 52.8 108
45 3 3 106 364 469 2.60E-17 96.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010552 150288 258.8 UdeM00000010552 XP_020788097.1 60.2
181 71 1 1 181 393 572 5.00E-66 258.8 150288
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;
Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;
Neoteleostei;Eurypterygia;Ctenosquamata;Acanthopterygii;Euacanthopterygii;
Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;
Boleophthalmus pectinirostris

UdeM00000010554 6579 58.2 UdeM00000010554 XP_033752164.1 40 65
33 1 4 68 400 458 5.10E-06 58.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010557 8218 91.3 UdeM00000010557 XP_034052687.1 60.3 68
27 0 2 69 341 408 5.30E-16 91.3 8218 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;

nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps

UdeM00000010558 150288 285.4 UdeM00000010558 XP_020788097.1 60.3
199 79 0 2 200 383 581 5.60E-74 285.4 150288
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000010559 6500 397.5 UdeM00000010559 XP_035826907.1 40.5 571
322 8 253 818 120 677 4.50E-107 397.5 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidae;Aplysiidae;Aplysia;Aplysia californica

UdeM00000010560 7739 84.3 UdeM00000010560 XP_035659254.1 41.2 131
70 4 14 138 43 172 1.40E-13 84.3 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000010561 6596 60.1 UdeM00000010561 XP_045184751.1 37.8 74
45 1 14 86 207 280 1.80E-06 60.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010562 37621 60.8 UdeM00000010562 XP_014678256.1 49.1 55
25 1 1 52 114 168 1.00E-06 60.8 37621 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000010563 441366 345.5 UdeM00000010563 XP_028318792.1 62.9
237 88 0 1 237 538 774 5.40E-92 345.5 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidae;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000010564 7574 461.1 UdeM00000010564 XP_023932112.1 49.1 454
226 4 353 804 1 451 3.40E-126 461.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000010566 6596 106.3 UdeM00000010566 XP_045177674.1 60.8 79
31 0 1 79 328 406 2.40E-20 106.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010567 6596 125.2 UdeM00000010567 XP_045189229.1 47.6 126
 65 1 120 244 154 279 1.20E-25 125.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010568 6573 100.9 UdeM00000010568 XP_021371412.1 43 107
 60 1 2 107 1126 1232 1.00E-18 100.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010569 10224 344 UdeM00000010569 XP_006820181.1 40.2 503
 239 5 2 443 92 593 3.00E-91 344 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000010570 6596 97.8 UdeM00000010570 XP_045179269.1 47.6 105
 48 2 13 117 373 470 2.50E-17 97.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010571 6596 199.9 UdeM00000010571 XP_045177776.1 35.6 289
 180 2 5 293 818 1100 6.70E-48 199.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010572 133434 70.5 UdeM00000010572 XP_022111405.1 37
 92 54 3 79 167 19 109 4.30E-09 70.5 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000010573 133434 71.6 UdeM00000010573 XP_022111405.1 36.5
 96 57 3 79 171 19 113 1.50E-09 71.6 133434
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Ac
 anthasteridae;Acanthaster;Acanthaster planci
 UdeM00000010574 6565 122.5 UdeM00000010574 XP_022322655.1 51.7 118
 55 1 6 123 422 537 3.80E-25 122.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010575 6565 133.7 UdeM00000010575 XP_022322655.1 50.3 145
 55 2 2 129 225 369 1.80E-28 133.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010576 29159 220.7 UdeM00000010576 XP_034339165.1 38.3 334
 192 8 1 331 186 508 2.80E-54 220.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010578 29159 419.5 UdeM00000010578 XP_034299474.1 43.7 526
281 7 3 522 239 755 6.40E-114 419.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010577 29159 485.7 UdeM00000010577 XP_034299474.1 42.9 606
330 8 32 630 159 755 8.80E-134 485.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010579 7574 105.1 UdeM00000010579 XP_013388573.1 42.2 147
83 1 1 147 795 939 7.70E-20 105.1 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000010580 7739 123.2 UdeM00000010580 XP_035685260.1 37.1 210
122 5 1 206 586 789 4.10E-25 123.2 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae
UdeM00000010581 6596 476.1 UdeM00000010581 XP_045177779.1 35.6 765
416 12 1 752 97 797 1.00E-130 476.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010582 6596 351.7 UdeM00000010582 XP_045177779.1 34.1 634
320 10 1 622 97 644 2.40E-93 351.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010584 6596 207.2 UdeM00000010584 XP_045179269.1 38.8 273
159 2 35 306 244 509 4.60E-50 207.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010585 29159 104.4 UdeM00000010585 XP_034318217.1 43 114
57 2 1 106 414 527 9.70E-20 104.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010586 6596 212.2 UdeM00000010586 XP_045216906.1 45.1 226
119 4 9 232 176 398 9.70E-52 212.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010587 6565 66.2 UdeM00000010587 XP_022334997.1 41.2 80
41 1 9 88 121 194 4.80E-08 66.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr

UdeM00000010588 1735272 141 UdeM00000010588 XP_041373491.1 61.3
93 36 0 2 94 252 344 8.30E-31 141 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel

UdeM00000010590 70779 69.7 UdeM00000010590 XP_015778628.1 49.4 81
40 1 1 80 1 81 2.00E-09 69.7 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
digitifera

UdeM00000010593 181472 156 UdeM00000010593 XP_029958384.1 49.7
151 75 1 2 151 62 212 4.10E-35 156 181472

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Blennioidei;Blenniidae;Salariinae;Salarias;Salarias fasciatus

UdeM00000010594 6573 142.9 UdeM00000010594 XP_021375729.1 40 190
97 3 1 173 442 631 4.10E-31 142.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect

UdeM00000010595 1676925 89.7 UdeM00000010595 XP_023670281.1 47.1
87 44 1 1 85 14 100 1.90E-15 89.7 1676925

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Osteoglo
ssocephala;Osteoglossomorpha;Osteoglossiformes;Mormyridae;Paramormyrops;P
aramormyrops kingsleyae

UdeM00000010597 50390 352.4 UdeM00000010597 XP_028142380.1 59.5 242
98 0 2 243 49 290 4.50E-94 352.4 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

UdeM00000010598 8218 433.3 UdeM00000010598 XP_034089596.1 59.1 330
135 0 1 330 451 780 2.70E-118 433.3 8218 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
ioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps

UdeM00000010599 41875 190.7 UdeM00000010599 XP_007513533.1 63.8 127
39 1 1 127 157 276 1.20E-45 190.7 41875 cellular

organisms;Eukaryota;Viridiplantae;Chlorophyta;Mamiellophyceae;Mamiellales
;Bathycoccaceae;Bathycoccus;Bathycoccus prasinos
UdeM00000010600 29159 128.3 UdeM00000010600 XP_034338992.1 39.3 196
100 2 4 180 111 306 1.00E-26 128.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010601 6579 65.9 UdeM00000010601 XP_033739317.1 35.3 119
72 3 4 121 199 313 6.80E-08 65.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010602 45264 188.3 UdeM00000010602 XP_044175508.1 33.9 357
211 8 6 349 9 353 1.60E-44 188.3 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000010604 50390 334 UdeM00000010604 XP_028147518.1 60.7 224
88 0 1 224 72 295 1.60E-88 334 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera
UdeM00000010605 6579 69.3 UdeM00000010605 XP_033752164.1 33.6 146
74 5 68 197 320 458 6.20E-09 69.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010606 6579 69.7 UdeM00000010606 XP_033752164.1 33.6 146
74 5 16 145 320 458 3.50E-09 69.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010607 8218 389 UdeM00000010607 XP_034089596.1 61.1 285
111 0 1 285 479 763 5.10E-105 389 8218 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
ioidei;Bathydraconidae;Gymnodraco;Gymnodraco acuticeps
UdeM00000010608 50390 241.9 UdeM00000010608 XP_028142380.1 62 158
60 0 2 159 273 430 5.60E-61 241.9 50390 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
virgifera
UdeM00000010609 7830 108.6 UdeM00000010609 XP_038671297.1 55.4 74
33 0 3 76 700 773 3.60E-21 108.6 7830 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Carcharhiniformes;Scyliorhinidae;Scyliorhinus;Scyliorhinus canicula

UdeM00000010610 6579 149.4 UdeM00000010610 XP_033758276.1 50.3 145
70 1 1 143 32 176 5.10E-33 149.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010611 29159 142.5 UdeM00000010611 XP_034339168.1 53.4 133
62 0 1 133 879 1011 3.90E-31 142.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010612 150288 258.8 UdeM00000010612 XP_020788097.1 59.4
175 71 0 1 175 365 539 5.30E-66 258.8 150288

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Gobiaria;Gobiiformes;Gobioidei;Gobiidae;Oxudercinae;Boleophthalmus;Boleophthalmus pectinirostris

UdeM00000010613 6573 110.5 UdeM00000010613 XP_021346189.1 35.2 210
113 4 173 363 1 206 4.60E-21 110.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010615 278856 645.6 UdeM00000010615 XP_032528088.1 55.1
481 216 0 1 481 287 767 5.10E-182 645.6 278856

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus

plexippus;Danaus plexippus plexippus

UdeM00000010616 50390 469.2 UdeM00000010616 XP_028142380.1 58.7 332
136 1 1 331 31 362 4.50E-129 469.2 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000010617 441366 276.9 UdeM00000010617 XP_028320243.1 55.8
226 98 1 1 224 509 734 2.30E-71 276.9 441366

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidae;Gobiesocidae;Gobiesocinae;Gouania;Gouania

willdenowi

UdeM00000010618 1529436 438 UdeM00000010618 XP_033101539.1 31.3
 1031 518 23 15 867 5 1023 2.90E-119 438 1529436
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Pelmatozoa;Crinoidea;Articulata;Comatulida;Comatulidae;Co
 matulinae;Anneissia;Anneissia japonica
 UdeM00000010619 6579 265.4 UdeM00000010619 XP_033730606.1 43.9 358
 184 8 1 347 1 352 1.00E-67 265.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010622 6579 76.6 UdeM00000010622 XP_033761504.1 50 64
 32 0 1 64 1135 1198 1.80E-11 76.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010623 29159 63.2 UdeM00000010623 XP_034307878.1 39.4 94
 48 2 5 89 174 267 3.00E-07 63.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010626 50390 470.7 UdeM00000010626 XP_028142380.1 55 360
 157 2 1 360 3 357 1.90E-129 470.7 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010627 6412 64.7 UdeM00000010627 XP_009017867.1 46.5 71
 35 2 1 69 302 371 7.30E-08 64.7 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000010628 50390 496.1 UdeM00000010628 XP_028142380.1 54.2 382
 173 2 2 381 21 402 3.90E-137 496.1 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D
 iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010629 2607531 308.1 UdeM00000010629 XP_029657462.1 56.3
 277 121 0 92 368 7 283 1.80E-80 308.1 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000010630 50390 467.2 UdeM00000010630 XP_028142380.1 55.4 341
 152 0 1 341 59 399 1.70E-128 467.2 50390 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucu
 jiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;D

iabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera
 virgifera
 UdeM00000010631 6412 64.7 UdeM00000010631 XP_009017867.1 39.1 87
 50 2 1 85 302 387 8.20E-08 64.7 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssisphoniidae;Helobdella;Helobdella robusta
 UdeM00000010632 441366 342.4 UdeM00000010632 XP_028317970.1 62.7
 241 90 0 2 242 138 378 4.60E-91 342.4 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000010633 6579 87.4 UdeM00000010633 XP_033743002.1 27.7 282
 178 7 19 276 528 807 3.20E-14 87.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010634 1735272 324.3 UdeM00000010634 XP_041347016.1 60.5
 256 90 3 1 249 1 252 1.30E-85 324.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010635 6596 68.2 UdeM00000010635 XP_045191827.1 34.7 101
 59 3 44 142 68 163 1.00E-08 68.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010636 441366 583.2 UdeM00000010636 XP_028318212.1 60
 422 169 0 2 423 148 569 2.70E-163 583.2 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi
 UdeM00000010637 441366 270 UdeM00000010637 XP_028309551.1 62
 187 70 1 1 186 296 482 2.30E-69 270 441366
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
 niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
 willdenowi

UdeM00000010638 441366 156 UdeM00000010638 XP_028318793.1 71.7
92 26 0 1 92 599 690 2.40E-35 156 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
willdenowi

UdeM00000010639 225164 91.3 UdeM00000010639 XP_009062398.1 54.8
73 28 1 1 73 28 95 5.60E-16 91.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000010640 225164 200.7 UdeM00000010640 XP_009064447.1 58.8
153 58 1 3 150 336 488 1.40E-48 200.7 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000010641 441366 157.5 UdeM00000010641 XP_028318799.1 63.2
106 35 1 2 103 411 516 9.00E-36 157.5 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
willdenowi

UdeM00000010642 441366 94 UdeM00000010642 XP_028291048.1 64.7
68 24 0 8 75 311 378 8.90E-17 94 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blen
niiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania
willdenowi

UdeM00000010644 278856 924.9 UdeM00000010644 XP_032528088.1 56.4
686 299 0 2 687 137 822 6.20E-266 924.9 278856
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidopt
era;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoide
a;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus
plexippus;Danaus plexippus plexippus

UdeM00000010645 278856 776.9 UdeM00000010645 XP_032528088.1 56.2
585 249 1 2 586 221 798 1.80E-221 776.9 278856
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus

plexippus;Danaus plexippus plexippus
UdeM00000010646 6689 65.1 UdeM00000010646 XP_027214905.1 42.9 84
45 3 36 117 40 122 1.10E-07 65.1 6689 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Multicrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiata;Penaeoidea;Penaeidae;Penaeus;Penaeus vannamei

UdeM00000010647 278856 813.5 UdeM00000010647 XP_032528088.1 57
602 259 0 2 603 137 738 1.80E-232 813.5 278856
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus

plexippus;Danaus plexippus plexippus
UdeM00000010648 278856 552.7 UdeM00000010648 XP_032528088.1 57
407 175 0 2 408 137 543 3.80E-154 552.7 278856
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Amphiesmenoptera;Lepidoptera;Glossata;Neolepidoptera;Heteroneura;Ditrysia;Obtectomera;Papilionoidea;Nymphalidae;Danainae;Danaini;Danaina;Danaus;Danaus;Danaus

plexippus;Danaus plexippus plexippus
UdeM00000010649 6579 105.5 UdeM00000010649 XP_033758276.1 61.7 81
29 1 2 80 1 81 3.40E-20 105.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010650 29159 205.3 UdeM00000010650 XP_034339171.1 39.6 255
147 5 7 258 564 814 9.90E-50 205.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010651 29159 137.1 UdeM00000010651 XP_034331441.1 37.8 222
131 5 1 219 1 218 3.90E-29 137.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010652 6596 148.7 UdeM00000010652 XP_045171063.1 34.4 259
155 6 2 249 41 295 1.40E-32 148.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010655 7668 98.2 UdeM00000010655 XP_030842965.1 50 100
49 1 1 100 628 726 9.80E-18 98.2 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea; Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000010656 202533 126.7 UdeM00000010656 XP_035231949.1 45.2
126 68 1 1 125 318 443 2.10E-26 126.7 202533
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomorphae;Entelegynae;Eresoidea;Eresidae;Stegodyphus;Stegodyphus dumicola

UdeM00000010657 50390 438 UdeM00000010657 XP_028154228.1 52.2 339
162 0 22 360 212 550 1.20E-119 438 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000010658 70779 84.3 UdeM00000010658 XP_015777172.1 38.3 94
58 0 12 105 44 137 1.10E-13 84.3 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000010659 6565 108.2 UdeM00000010659 XP_022288562.1 44.3 115
64 0 1 115 73 187 1.20E-20 108.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010660 8083 80.9 UdeM00000010660 XP_023194722.1 44 109
51 3 1 105 903 1005 1.20E-12 80.9 8083 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Xiphophorus;Xiphophorus maculatus

UdeM00000010661 441366 476.5 UdeM00000010661 XP_028318212.1 46.1
486 249 6 2 478 157 638 4.00E-131 476.5 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000010662 50390 477.6 UdeM00000010662 XP_028135826.1 51.4 401
193 2 9 407 192 592 1.60E-131 477.6 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000010663 6596 369 UdeM00000010663 XP_045177776.1 39.3 529
 294 8 1 522 405 913 1.30E-98 369 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010664 6596 288.9 UdeM00000010664 XP_045179269.1 44 327
 180 3 138 461 128 454 1.60E-74 288.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010665 46514 124.4 UdeM00000010665 XP_038052832.1 45.2 135
 67 1 27 161 35 162 1.30E-25 124.4 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000010666 1735272 229.6 UdeM00000010666 XP_041378840.1 46.2
 240 103 2 2 241 263 476 4.40E-57 229.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010667 1735272 322.8 UdeM00000010667 XP_041347065.1 46.4
 416 161 5 17 370 75 490 5.80E-85 322.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010668 6596 264.6 UdeM00000010668 XP_045177776.1 35.1 464
 217 9 68 529 552 933 3.90E-67 264.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010669 6573 213.8 UdeM00000010669 XP_021371412.1 41.9 265
 148 5 82 342 970 1232 3.50E-52 213.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000010670 6565 85.1 UdeM00000010670 XP_022317389.1 38.5 104
 62 1 15 116 816 919 2.10E-13 85.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010671 6689 193.7 UdeM00000010671 XP_027230835.1 47.2 195
 92 3 10 196 179 370 2.80E-46 193.7 6689 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Dendrobranchiat
 a;Penaeoidea;Penaeidae;Penaeus;Penaeus vannamei
 UdeM00000010676 6573 146 UdeM00000010676 XP_021365376.1 42.7 164
 89 3 8 169 3 163 4.60E-32 146 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000010677 6573 133.7 UdeM00000010677 XP_021365376.1 39.6 164
94 3 8 169 3 163 2.40E-28 133.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000010678 6573 73.6 UdeM00000010678 XP_021380144.1 26.4 178
116 7 15 183 47 218 3.40E-10 73.6 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000010679 29159 236.9 UdeM00000010679 XP_034301796.1 59 244
93 1 1 244 1 237 2.80E-59 236.9 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000010680 6596 671 UdeM00000010680 XP_045212788.1 46.1 816
386 9 7 773 13 823 1.80E-189 671 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010681 29159 74.7 UdeM00000010681 XP_034302682.1 38.1 105
62 1 70 174 726 827 1.30E-10 74.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000010682 6596 633.6 UdeM00000010682 XP_045212787.1 44.8 828
378 12 6 756 13 838 3.10E-178 633.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010683 6596 635.2 UdeM00000010683 XP_045212787.1 43.4 859
427 11 7 839 13 838 1.20E-178 635.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010684 6596 219.9 UdeM00000010684 XP_045212788.1 37 433
198 8 1 367 357 780 5.50E-54 219.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010685 6596 288.5 UdeM00000010685 XP_045212787.1 47.2 335
114 3 7 279 13 346 9.10E-75 288.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000010686 6596 642.1 UdeM00000010686 XP_045212788.1 45.9 815
383 11 6 766 13 823 8.90E-181 642.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010687 6596 618.6 UdeM00000010687 XP_045212787.1 43.8 837
385 10 6 763 13 843 1.00E-173 618.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010688 6596 141 UdeM00000010688 XP_045177095.1 44 159
84 2 438 591 649 807 5.00E-30 141 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010689 6573 244.6 UdeM00000010689 XP_021356453.1 49.8 263
122 6 2 259 9 266 1.40E-61 244.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010690 6596 72.4 UdeM00000010690 XP_045181185.1 42 81
47 0 1 81 138 218 3.60E-10 72.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010691 6596 98.6 UdeM00000010691 XP_045181185.1 56.8 74
32 0 1 74 308 381 3.60E-18 98.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010692 6596 129.8 UdeM00000010692 XP_045198374.1 43.3 171
83 4 1 167 1 161 3.30E-27 129.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010693 6565 166.8 UdeM00000010693 XP_022327962.1 48.8 164
82 1 2 163 555 718 2.30E-38 166.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010694 6596 261.9 UdeM00000010694 XP_045181185.1 52.2 245
115 2 1 244 138 381 8.00E-67 261.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010695 6565 135.6 UdeM00000010695 XP_022327962.1 51.8 137
62 1 9 141 208 344 5.40E-29 135.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010696 6565 210.7 UdeM00000010696 XP_022327962.1 51.2 211
102 1 1 210 445 655 2.00E-51 210.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010697 6565 175.3 UdeM00000010697 XP_022327962.1 50.8 177
86 1 1 176 445 621 7.80E-41 175.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010698 6596 251.9 UdeM00000010698 XP_045198374.1 39.8 410
132 5 1 302 1 403 1.00E-63 251.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010699 6565 275.8 UdeM00000010699 XP_022327962.1 51.8 274
129 2 1 271 445 718 5.90E-71 275.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010700 6579 552.4 UdeM00000010700 XP_033746357.1 68.5 378
117 1 1 378 116 491 4.60E-154 552.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010701 6596 1986.5 UdeM00000010701 XP_045182638.1 86.8
1212 159 1 1 1212 25 1235 0.00E+00 1986.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010702 6596 412.1 UdeM00000010702 XP_045181185.1 56.1 358
148 3 5 354 25 381 6.90E-112 412.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010703 6596 385.6 UdeM00000010703 XP_045177779.1 39.1 562
324 8 1 548 80 637 1.60E-103 385.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010704 225164 163.3 UdeM00000010704 XP_009058199.1 54.4
149 61 2 1 149 31 172 2.40E-37 163.3 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
Lottiidae;Lottia;Lottia gigantea

UdeM00000010705 6579 109.8 UdeM00000010705 XP_033752673.1 43.3 150
 73 5 54 199 274 415 4.40E-21 109.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010706 6579 189.9 UdeM00000010706 XP_033752673.1 50.2 203
 90 4 22 221 274 468 3.80E-45 189.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010707 109280 201.4 UdeM00000010707 XP_019729826.1 41.5
 217 114 1 6 222 8 211 1.20E-48 201.4 109280
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Syngnathiaria;Syngnathiformes;S
 yngnathoidei;Syngnathidae;Hippocampinae;Hippocampus;Hippocampus comes
 UdeM00000010711 6565 115.9 UdeM00000010711 XP_022299602.1 39.9 158
 90 4 78 234 2 155 2.00E-22 115.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010710 6596 373.6 UdeM00000010710 XP_045177779.1 38.9 571
 324 10 1 561 97 652 9.80E-100 373.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010712 6565 97.4 UdeM00000010712 XP_022336926.1 28.8 240
 159 7 137 370 516 749 4.10E-17 97.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010713 6565 75.1 UdeM00000010713 XP_022337018.1 36.8 76
 48 0 27 102 27 102 6.00E-11 75.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010714 6596 170.2 UdeM00000010714 XP_045181185.1 57.2 138
 52 1 5 135 25 162 1.80E-39 170.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010715 6596 105.5 UdeM00000010715 XP_045181185.1 59.5 74
 30 0 1 74 308 381 2.90E-20 105.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010716 151771 82.4 UdeM00000010716 XP_028412185.1 29.6
 189 118 4 13 188 371 557 8.00E-13 82.4 151771

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
gigantea
UdeM00000010717 6596 375.9 UdeM00000010717 XP_045177776.1 42.9 522
285 8 58 571 397 913 9.00E-101 375.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010718 6596 104 UdeM00000010718 XP_045182638.1 68.8 80
20 1 49 128 848 922 1.50E-19 104 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010719 6579 292.4 UdeM00000010719 XP_033744239.1 45.7 339
178 3 22 360 78 410 8.60E-76 292.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010720 6596 143.3 UdeM00000010720 XP_045206702.1 25.1 383
241 5 20 400 398 736 7.20E-31 143.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010722 6565 128.3 UdeM00000010722 XP_022341861.1 78.2 78
17 0 474 551 986 1063 3.20E-26 128.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010723 6596 324.3 UdeM00000010723 XP_045177779.1 31.7 720
336 14 1 692 97 688 4.60E-85 324.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010724 63155 147.9 UdeM00000010724 XP_030575909.1 42.8 229
68 5 78 244 515 742 1.80E-32 147.9 63155 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
iformes;Cichlidae;New World
cichlids;Cichlasomatinae;Heroini;Archocentrus;Archocentrus centrarchus
UdeM00000010725 1735272 92.4 UdeM00000010725 XP_041360121.1 43.7
87 46 3 93 178 275 359 6.30E-16 92.4 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010726 6596 221.5 UdeM00000010726 XP_045203959.1 26.2 767
 487 21 26 772 32 739 3.90E-54 221.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010727 6596 216.9 UdeM00000010727 XP_045182997.1 59 173
 66 2 8 178 48 217 2.20E-53 216.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010728 6596 208.8 UdeM00000010728 XP_045182997.1 57.8 180
 72 3 1 178 41 218 5.90E-51 208.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010729 6596 115.2 UdeM00000010729 XP_045182997.1 53.3 105
 46 1 1 105 104 205 5.30E-23 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010730 6596 73.6 UdeM00000010730 XP_045182997.1 49.3 73
 34 1 3 75 136 205 1.30E-10 73.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010731 6596 123.6 UdeM00000010731 XP_045181560.1 27 460
 299 11 6 439 11 459 7.30E-25 123.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010732 6596 216.9 UdeM00000010732 XP_045182997.1 59.5 173
 65 2 8 178 48 217 2.20E-53 216.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010733 6596 206.5 UdeM00000010733 XP_045182997.1 57.2 180
 73 3 1 178 41 218 2.90E-50 206.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010735 6596 112.1 UdeM00000010735 XP_045182997.1 53.3 105
 46 1 1 105 104 205 4.50E-22 112.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010734 6596 69.7 UdeM00000010734 XP_045182997.1 47.9 73
 35 1 3 75 136 205 1.80E-09 69.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010736 6596 204.9 UdeM00000010736 XP_045182997.1 57.2 180
 73 3 1 178 41 218 8.50E-50 204.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010737 6596 127.5 UdeM00000010737 XP_045182997.1 51.7 118
 52 2 1 116 104 218 1.10E-26 127.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010738 6596 206.1 UdeM00000010738 XP_045182997.1 57.2 180
 73 3 1 178 41 218 3.80E-50 206.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010739 6596 223 UdeM00000010739 XP_045182997.1 59.1 181
 69 3 1 179 41 218 3.00E-55 223 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010740 6596 2726.4 UdeM00000010740 XP_045164107.1 40
 4312 2013 63 28 4069 38 4044 0.00E+00 2726.4 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010741 6596 196.8 UdeM00000010741 XP_045177779.1 37.4 348
 182 10 9 350 90 407 8.10E-47 196.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010743 7574 471.9 UdeM00000010743 XP_013380319.1 69.7 297
 90 0 1 297 38 334 2.60E-129 471.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000010744 7574 471.9 UdeM00000010744 XP_013380319.1 69.7 297
 90 0 1 297 38 334 2.30E-129 471.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000010745 2652724 82 UdeM00000010745 XP_020913146.1 50.7
 73 36 0 53 125 177 249 6.30E-13 82 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000010746 6596 193.7 UdeM00000010746 XP_045200973.1 25.1 678
 445 19 114 764 103 744 8.40E-46 193.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010748 6596 184.5 UdeM00000010748 XP_045203906.1 29.5 413
 275 6 366 769 15 420 5.10E-43 184.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010749 6596 179.1 UdeM00000010749 XP_045203906.1 28.8 413
 278 6 364 767 15 420 2.20E-41 179.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010750 29159 85.9 UdeM00000010750 XP_034331086.1 23.6 487
 283 16 1 416 2 470 1.30E-13 85.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010751 29159 86.3 UdeM00000010751 XP_034331085.1 22.8 495
 280 14 1 419 2 470 1.00E-13 86.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010752 29159 86.7 UdeM00000010752 XP_034331085.1 22.8 495
 278 14 1 417 2 470 7.90E-14 86.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010753 6596 241.9 UdeM00000010753 XP_045215628.1 45.5 255
 110 2 22 272 99 328 9.70E-61 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010754 6596 161.4 UdeM00000010754 XP_045200973.1 25.6 542
 312 16 156 679 276 744 4.10E-36 161.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010755 6596 196.8 UdeM00000010755 XP_045177779.1 37.4 348
 182 10 9 350 90 407 8.40E-47 196.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010757 7574 470.3 UdeM00000010757 XP_013380319.1 69.8 298
89 1 1 298 38 334 6.80E-129 470.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000010758 2652724 77 UdeM00000010758 XP_020913146.1 50.7
73 35 1 53 124 177 249 2.00E-11 77 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000010759 6596 185.7 UdeM00000010759 XP_045200973.1 28.1 427
269 8 356 767 341 744 2.30E-43 185.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010760 225164 102.1 UdeM00000010760 XP_009057378.1 38.8
129 78 1 2 129 30 158 6.30E-19 102.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000010761 29159 95.1 UdeM00000010761 XP_019926769.2 30.4 204
131 4 339 541 332 525 2.90E-16 95.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010762 6596 183 UdeM00000010762 XP_045203906.1 29.1 413
277 6 249 652 15 420 1.30E-42 183 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010763 6596 198.7 UdeM00000010763 XP_045200973.1 25.4 678
443 19 114 764 103 744 2.60E-47 198.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010764 7888 201.8 UdeM00000010764 XP_043944824.1 36 361
213 5 21 368 769 1124 1.80E-48 201.8 7888 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Dipnomorpha;Ceratodontae;Ceratodontiformes;Lepidosirenoidei;Protopterygidae;Protopterus;Protopterus annectens

UdeM00000010765 29159 81.6 UdeM00000010765 XP_034331086.1 23.4 487
307 16 1 439 2 470 2.70E-12 81.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010766 29159 80.5 UdeM00000010766 XP_034331086.1 23.4 491
305 17 1 442 2 470 6.00E-12 80.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010767 29159 81.6 UdeM00000010767 XP_034331086.1 23.4 487
307 16 1 439 2 470 2.70E-12 81.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010768 29159 79 UdeM00000010768 XP_034331086.1 23.2 491
307 16 1 443 2 470 1.70E-11 79 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010769 6596 241.9 UdeM00000010769 XP_045215628.1 45.5 255
110 2 22 272 99 328 9.70E-61 241.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010770 6596 161.4 UdeM00000010770 XP_045200973.1 25.6 542
312 16 156 679 276 744 4.10E-36 161.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010771 6596 157.5 UdeM00000010771 XP_045191793.1 34 315
162 7 1 314 283 552 6.20E-35 157.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010772 29159 265.8 UdeM00000010772 XP_034316161.1 45 291
159 1 1 290 718 1008 6.60E-68 265.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr

eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010773 6596 499.2 UdeM00000010773 XP_045204106.1 50.3 497
242 4 1 493 1 496 7.20E-138 499.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000010774 1735272 365.9 UdeM00000010774 XP_041362825.1 53.9
330 143 3 71 395 344 669 6.30E-98 365.9 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel

tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000010775 6596 494.6 UdeM00000010775 XP_045204674.1 44.6 590
307 10 12 598 4 576 1.80E-136 494.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010776 225164 367.9 UdeM00000010776 XP_009062152.1 50.4
 363 168 4 38 395 330 685 1.70E-98 367.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010777 7668 94 UdeM00000010777 XP_030853395.1 27 267
 163 9 46 304 1486 1728 4.40E-16 94 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000010779 6596 474.9 UdeM00000010779 XP_045204674.1 43 579
 320 8 17 593 6 576 1.50E-130 474.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010780 6596 164.5 UdeM00000010780 XP_045210214.1 60.6 132
 51 1 6 136 2 133 9.70E-38 164.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010781 6579 86.7 UdeM00000010781 XP_033743088.1 63.9 72
 20 2 1 72 170 235 1.50E-14 86.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010783 6596 120.9 UdeM00000010783 XP_045204106.1 50.4 113
 55 1 1 113 258 369 1.20E-24 120.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010784 225164 359.8 UdeM00000010784 XP_009062152.1 53
 328 145 3 73 395 362 685 4.50E-96 359.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010785 6596 380.6 UdeM00000010785 XP_045204674.1 42.7 468
 260 6 1 467 116 576 2.90E-102 380.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010786 1735272 366.3 UdeM00000010786 XP_041362825.1 53.6
 330 144 3 71 395 344 669 4.90E-98 366.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000010787 6596 490 UdeM00000010787 XP_045204674.1 43.7 581
 317 8 12 590 4 576 4.40E-135 490 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010789 6596 494.2 UdeM00000010789 XP_045204674.1 44.9 579
 307 7 14 586 4 576 2.30E-136 494.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010790 7998 316.2 UdeM00000010790 XP_017339836.1 53.6 280
 121 3 28 300 366 643 4.40E-83 316.2 7998 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Ictaluridae;Ictalurus;Ictalurus punctatus

UdeM00000010792 6596 362.5 UdeM00000010792 XP_045204176.1 53.5 325
 142 2 12 329 2 324 5.80E-97 362.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010793 6596 102.8 UdeM00000010793 XP_045205238.1 42.1 121
 69 1 1 121 373 492 3.10E-19 102.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010794 225164 292.4 UdeM00000010794 XP_009062152.1 55.4
 251 110 1 73 323 362 610 7.30E-76 292.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000010795 6596 611.7 UdeM00000010795 XP_045203343.1 67 469
 142 5 2 462 4 467 8.60E-172 611.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010796 6565 126.7 UdeM00000010796 XP_022325237.1 72.8 92
 24 1 1 91 1 92 1.60E-26 126.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010797 6573 965.3 UdeM00000010797 XP_021376944.1 57.6 922
 325 20 1 892 1 886 5.40E-278 965.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010798 6596 204.9 UdeM00000010798 XP_045205285.1 43.6 381
 146 6 12 386 2 319 1.80E-49 204.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010799 29159 706.8 UdeM00000010799 XP_034301111.1 57.7 705
 274 11 81 776 51 740 3.00E-200 706.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010800 6596 308.5 UdeM00000010800 XP_045203625.1 50.4 282
 135 2 1 281 1 278 1.30E-80 308.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010801 6596 470.7 UdeM00000010801 XP_045205403.1 73.2 317
 85 0 7 323 8 324 1.50E-129 470.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010802 2607531 785 UdeM00000010802 XP_029648709.1 64.5
 617 174 6 17 602 309 911 6.70E-224 785 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000010803 6596 513.5 UdeM00000010803 XP_045205403.1 77.6 304
 67 1 1 304 421 723 1.90E-142 513.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010804 6850 126.7 UdeM00000010804 NP_001301020.1 44.7 179
 79 6 4 175 758 923 2.90E-26 126.7 6850 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limu
 lidae;Limulus;Limulus polyphemus
 UdeM00000010805 29159 444.9 UdeM00000010805 XP_011429627.2 86.9 252
 33 0 13 264 292 543 7.20E-122 444.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010806 6596 545 UdeM00000010806 XP_045205723.1 50.2 821
 388 9 11 820 6 816 1.80E-151 545 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010807 6573 224.9 UdeM00000010807 XP_021364076.1 39.2 385
 158 10 1 378 15 330 1.70E-55 224.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010808 6596 129.4 UdeM00000010808 XP_045205379.1 32 331
133 10 25 340 62 315 2.60E-26 129.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010810 6596 1312.4 UdeM00000010810 XP_045203354.1 63.3
1124 311 18 31 1101 1442 2517 0.00E+00 1312.4 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010811 6596 146.4 UdeM00000010811 XP_045203354.1 30.2 474
250 15 321 727 914 1373 1.60E-31 146.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010812 6596 1152.5 UdeM00000010812 XP_045205986.1 72.7
916 231 2 1 901 1 912 0.00E+00 1152.5 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010813 6596 273.9 UdeM00000010813 XP_045205986.1 70.6 170
50 0 32 201 743 912 1.70E-70 273.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010814 6596 1048.9 UdeM00000010814 XP_045205628.1 66.6
770 254 2 27 794 32 800 3.30E-303 1048.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010815 6596 959.9 UdeM00000010815 XP_045205627.1 56.7 855
317 12 38 852 25 866 2.10E-276 959.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010816 6596 959.9 UdeM00000010816 XP_045205627.1 56.9 850
316 12 38 845 25 866 2.10E-276 959.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000010817 6596 193.4 UdeM00000010817 XP_045205627.1 58.6 152
 63 0 2 153 133 284 2.90E-46 193.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010818 6596 233.8 UdeM00000010818 XP_045205892.1 50.9 285
 131 4 1 283 1 278 2.90E-58 233.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010819 6579 64.7 UdeM00000010819 XP_033742737.1 47.8 67
 33 1 1 67 1 65 7.00E-08 64.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010820 7574 63.9 UdeM00000010820 XP_013412596.1 54 63
 26 1 5 67 104 163 1.30E-07 63.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000010821 6596 114.8 UdeM00000010821 XP_045204842.1 30.2 255
 139 9 297 522 333 577 3.40E-22 114.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010822 6596 775.8 UdeM00000010822 XP_045203675.1 58.2 627
 258 3 1 625 58 682 4.20E-221 775.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010823 6596 558.1 UdeM00000010823 XP_045203675.1 47.2 576
 301 3 2 574 72 647 1.30E-155 558.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010824 6596 577 UdeM00000010824 XP_045203675.1 48.4 576
 294 3 2 574 72 647 2.60E-161 577 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010825 6596 589 UdeM00000010825 XP_045203675.1 49.7 590
 287 6 1 581 58 646 6.80E-165 589 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010827 7396 79.7 UdeM00000010827 XP_037888883.1 61 59
 23 0 1 59 1 59 1.60E-12 79.7 7396 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscomorpha;Eremoneura;Cyclorrhapha;Schizophora;Calyptratae;Hippoboscoidea;Glossinidae;Glossina;Nemorhina;Glossina fuscipes

UdeM00000010828 6573 245.7 UdeM00000010828 XP_021360212.1 38 466
228 13 3 459 33 446 1.10E-61 245.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010829 6596 440.3 UdeM00000010829 XP_045211974.1 51.2 443
201 7 62 496 4 439 3.40E-120 440.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010830 6596 440.3 UdeM00000010830 XP_045211974.1 51.2 443
201 7 35 469 4 439 3.20E-120 440.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010831 6596 174.1 UdeM00000010831 XP_045211975.1 61.3 137
53 0 1 137 457 593 1.40E-40 174.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010832 6596 145.2 UdeM00000010832 XP_045211975.1 65.7 105
36 0 2 106 489 593 5.60E-32 145.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010833 6573 90.1 UdeM00000010833 XP_021354625.1 32.5 191
117 5 26 207 41 228 3.50E-15 90.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010834 7574 679.5 UdeM00000010834 XP_013392570.1 50.8 971
381 12 1 942 1 903 6.20E-192 679.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000010835 6596 459.5 UdeM00000010835 XP_045205412.1 67.7 439
128 1 8 432 2 440 4.60E-126 459.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010836 6596 459.5 UdeM00000010836 XP_045205412.1 67.2 439
128 1 8 430 2 440 4.60E-126 459.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010837 6579 676.8 UdeM00000010837 XP_033742894.1 60.9 696
269 2 41 734 2 696 3.10E-191 676.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010838 6579 659.1 UdeM00000010838 XP_033742894.1 59.2 711
272 3 41 749 2 696 6.90E-186 659.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010842 6573 810.8 UdeM00000010842 XP_021346569.1 53.7 761
295 8 1 706 1 759 1.30E-231 810.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010843 6596 133.3 UdeM00000010843 XP_045200408.1 38.3 175
101 2 12 179 3 177 3.10E-28 133.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010845 225164 174.1 UdeM00000010845 XP_009059786.1 43.1
195 103 4 1 187 248 442 1.70E-40 174.1 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000010844 6596 243 UdeM00000010844 XP_045204817.1 37 338
185 8 131 450 225 552 7.30E-61 243 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010847 29159 228 UdeM00000010847 XP_019923390.1 45.9 305
163 1 65 369 4 306 2.00E-56 228 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010848 400727 176.8 UdeM00000010848 XP_025087031.1 46.4
222 119 0 6 227 4 225 3.40E-41 176.8 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000010849 6596 348.2 UdeM00000010849 XP_045204967.1 81.9 221
39 1 1 220 1 221 7.70E-93 348.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010850 6596 625.2 UdeM00000010850 XP_045183823.1 60.8 482
183 1 7 488 5 480 8.30E-176 625.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010851 6596 302.8 UdeM00000010851 XP_045185195.1 77.8 180
40 0 1 180 1 180 3.00E-79 302.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010852 6596 471.5 UdeM00000010852 XP_045202956.1 33.3 1237
667 37 817 1964 463 1630 8.60E-129 471.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010852 6596 61.6 UdeM00000010852 XP_045202956.1 30.9 204
117 6 2741 2937 2275 2461 2.10E-05 61.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010853 6596 341.3 UdeM00000010853 XP_045202958.1 68.5 248
69 3 3 242 23 269 1.00E-90 341.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010854 6565 693.7 UdeM00000010854 XP_022328400.1 77.6 419
94 0 4 422 6 424 1.40E-196 693.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010855 6596 772.7 UdeM00000010855 XP_045206449.1 72.9 513
119 5 1 503 80 582 2.90E-220 772.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010856 6565 166.4 UdeM00000010856 XP_022301960.1 69.4 108
32 1 6 112 11 118 2.20E-38 166.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010857 6565 167.5 UdeM00000010857 XP_022301960.1 69.4 108
32 1 7 113 11 118 1.00E-38 167.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010858 6565 355.5 UdeM00000010858 XP_022324796.1 84.2 203
32 0 1 203 1 203 4.40E-95 355.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010859 6565 464.2 UdeM00000010859 XP_022326557.1 65.6 352
 121 0 70 421 67 418 1.80E-127 464.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010860 6565 387.1 UdeM00000010860 XP_022341267.1 45.7 376
 190 3 11 373 151 525 2.60E-104 387.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010861 6596 207.2 UdeM00000010861 XP_045175162.1 62.3 151
 55 2 6 154 25 175 1.50E-50 207.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010862 6596 599 UdeM00000010862 XP_045205280.1 61.2 464
 172 3 53 514 50 507 5.80E-168 599 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010863 225164 223.8 UdeM00000010863 XP_009055264.1 64.7
 368 112 3 8 375 5 354 3.80E-55 223.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010864 6596 60.8 UdeM00000010864 XP_045205281.1 23.2 435
 222 15 28 404 34 414 4.70E-06 60.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010867 151771 178.7 UdeM00000010867 XP_028406951.1 27.4
 507 239 9 1 386 119 617 1.40E-41 178.7 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000010868 6596 486.1 UdeM00000010868 XP_045204158.1 52.7 421
 192 2 1 421 1 414 4.60E-134 486.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010869 6596 83.6 UdeM00000010869 XP_045189682.1 43.4 76
 42 1 619 693 349 424 1.10E-12 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010869 6596 70.9 UdeM00000010869 XP_045189682.1 42.3 71
 41 0 15 85 9 79 7.40E-09 70.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010870 6596 162.5 UdeM00000010870 XP_045205319.1 30.7 398
238 11 8 380 17 401 1.30E-36 162.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010871 6596 937.9 UdeM00000010871 XP_045156491.1 36.8 1481
787 20 91 1484 822 2240 1.50E-269 937.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010872 6596 959.1 UdeM00000010872 XP_045202823.1 72.6 647
170 1 1 640 1 647 2.70E-276 959.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010874 29159 120.6 UdeM00000010874 XP_034311245.1 31.2 276
157 9 7 273 15 266 3.30E-24 120.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010875 29159 142.9 UdeM00000010875 XP_034315421.1 51.2 160
72 3 122 277 271 428 6.20E-31 142.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010879 29159 366.7 UdeM00000010879 XP_034318666.1 62.2 262
99 0 1 262 482 743 2.50E-98 366.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010878 6565 197.6 UdeM00000010878 XP_022306954.1 43.9 223
117 4 4 221 729 948 1.70E-47 197.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010880 6565 186.8 UdeM00000010880 XP_022306954.1 48.8 172
88 0 2 173 777 948 2.30E-44 186.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010881 29159 142.9 UdeM00000010881 XP_034315421.1 51.2 160
72 3 122 277 271 428 6.20E-31 142.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000010885 29159 370.2 UdeM00000010885 XP_034318666.1 62.6 262
98 0 1 262 482 743 2.30E-99 370.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010884 6565 197.6 UdeM00000010884 XP_022306954.1 43.9 223
117 4 4 221 729 948 1.70E-47 197.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010886 6565 186.8 UdeM00000010886 XP_022306954.1 48.8 172
88 0 2 173 777 948 2.30E-44 186.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010888 6596 757.3 UdeM00000010888 XP_045202826.1 62.2 569
185 3 1 539 88 656 1.40E-215 757.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010889 6596 357.1 UdeM00000010889 XP_045202845.1 58.4 267
109 1 13 277 8 274 2.10E-95 357.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010890 6596 364.8 UdeM00000010890 XP_045205870.1 57.7 293
118 2 9 300 171 458 1.10E-97 364.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010891 6596 149.1 UdeM00000010891 XP_045205870.1 54.5 123
51 1 2 124 341 458 3.90E-33 149.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010892 6579 218 UdeM00000010892 XP_033761565.1 29.4 496
315 11 75 544 286 772 2.90E-53 218 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000010893 29159 65.5 UdeM00000010893 XP_034307878.1 42.7 82
44 1 42 123 181 259 5.60E-08 65.5 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010894 6596 774.2 UdeM00000010894 XP_045203695.1 56.9 666
277 4 18 681 24 681 1.30E-220 774.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010897 6596 416.8 UdeM00000010897 XP_045205204.1 73 259
 70 0 1 259 335 593 2.10E-113 416.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010898 6596 436.8 UdeM00000010898 XP_045205204.1 73.2 269
 72 0 76 344 325 593 2.60E-119 436.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010895 6596 436.8 UdeM00000010895 XP_045205204.1 73.2 269
 72 0 203 471 325 593 3.50E-119 436.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010896 6596 436 UdeM00000010896 XP_045205204.1 72.8 272
 74 0 120 391 322 593 5.00E-119 436 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010899 6596 126.7 UdeM00000010899 XP_045204749.1 50.4 131
 61 2 1 128 1 130 2.70E-26 126.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010900 6596 132.1 UdeM00000010900 XP_045204749.1 52.2 134
 57 3 1 128 1 133 6.30E-28 132.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010902 6596 147.5 UdeM00000010902 XP_045215469.1 41.4 169
 98 1 1 168 27 195 1.60E-32 147.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010904 6596 583.9 UdeM00000010904 XP_045203144.1 48.3 613
 282 4 1 613 11 588 2.30E-163 583.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010905 116153 419.5 UdeM00000010905 XP_019866035.1 60.1
 386 151 1 1 383 526 911 4.70E-114 419.5 116153
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse

cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Cucujoidea;Nitidulidae;Nitidulinae;Aethina;Aethina tumida
 UdeM00000010906 116153 422.9 UdeM00000010906 XP_019866035.1 60.4
 386 150 1 1 383 526 911 4.30E-115 422.9 116153
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Cucujoidea;Nitidulidae;Nitidulinae;Aethina;Aethina tumida
 UdeM00000010908 1735272 81.6 UdeM00000010908 XP_041378228.1 80.4
 46 9 0 67 112 111 156 9.40E-13 81.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010909 6596 150.6 UdeM00000010909 XP_045158353.1 42.6 169
 96 1 1 168 27 195 1.90E-33 150.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000010910 5762 97.8 UdeM00000010910 XP_002670566.1 30.4 253
 167 7 71 315 80 331 2.90E-17 97.8 5762 cellular
 organisms;Eukaryota;Discoba;Heterolobosea;Tetramitida;Eutetramitida;Vahlkampfiidae;Naegleria;Naegleria gruberi
 UdeM00000010911 6596 687.6 UdeM00000010911 XP_045204976.1 61.6 536
 191 4 5 540 7 527 1.30E-194 687.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000010912 6596 812.8 UdeM00000010912 XP_045206315.1 46.2 1010
 386 18 15 1007 9 878 5.00E-232 812.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000010913 6565 475.3 UdeM00000010913 XP_022322855.1 41.9 749
 339 14 4 748 261 917 1.40E-130 475.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010914 6565 578.2 UdeM00000010914 XP_022327962.1 57.2 509
 215 3 48 553 91 599 1.10E-161 578.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010915 6565 110.2 UdeM00000010915 XP_022327962.1 58.1 93
 37 1 3 93 626 718 1.50E-21 110.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000010916 37653 91.7 UdeM00000010916 XP_014780668.1 44.4 124
 61 4 61 180 181 300 1.10E-15 91.7 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000010917 6565 198.4 UdeM00000010917 XP_022326162.1 65.9 170
51 2 3 165 6 175 7.70E-48 198.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010918 441366 244.6 UdeM00000010918 XP_028326620.1 44.1
306 161 5 1 305 48 344 1.70E-61 244.6 441366
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Blenniiformes;Blenniiformes;Gobiesocoidei;Gobiesocidae;Gobiesocinae;Gouania;Gouania willdenowi

UdeM00000010919 6596 166 UdeM00000010919 XP_045203975.1 73.9 111
29 0 3 113 181 291 2.80E-38 166 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010920 6573 317 UdeM00000010920 XP_021339215.1 78.4 185
40 0 1 185 1 185 1.60E-83 317 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010921 6596 731.5 UdeM00000010921 XP_045190097.1 36.6 1228
680 25 7 1179 11 1195 1.70E-207 731.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010922 6579 288.9 UdeM00000010922 XP_033743357.1 43.9 353
185 5 119 465 81 426 2.30E-74 288.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010923 6565 535.8 UdeM00000010923 XP_022310570.1 59.1 491
179 8 1 479 1 481 5.90E-149 535.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010925 6596 396.4 UdeM00000010925 XP_045205116.1 54.2 382
154 4 1 382 1 361 4.30E-107 396.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010926 400727 97.8 UdeM00000010926 XP_025085454.1 86.5
52 7 0 29 80 1 52 6.60E-18 97.8 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000010927 6573 415.6 UdeM00000010927 XP_021339013.1 62.1 354
122 6 89 438 55 400 7.80E-113 415.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000010928 6573 221.1 UdeM00000010928 XP_021354732.1 37.9 335
192 6 20 346 8 334 2.20E-54 221.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000010929 6596 688 UdeM00000010929 XP_045205095.1 59.2 873
318 16 1 856 1 852 1.80E-194 688 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010930 6573 809.3 UdeM00000010930 XP_021367074.1 55.2 759
326 9 3 752 1 754 4.20E-231 809.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000010931 6596 162.5 UdeM00000010931 XP_045204312.1 41.6 202
96 4 11 192 10 209 5.20E-37 162.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000010932 6500 161 UdeM00000010932 XP_005110587.2 46.1 154
81 2 36 188 54 206 1.50E-36 161 6500 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Teptipleura;
Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
UdeM00000010934 29159 79.3 UdeM00000010934 XP_034322899.1 36.4 88
53 1 49 136 11 95 5.80E-12 79.3 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000010935 6565 541.6 UdeM00000010935 XP_022320668.1 41.3 778
335 15 17 704 11 756 1.50E-150 541.6 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;
Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000010936 45264 386 UdeM00000010936 XP_044165535.1 48.3 373
189 1 1 369 158 530 1.40E-103 386 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;
Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora
UdeM00000010937 6596 1478.4 UdeM00000010937 XP_045203193.1 71.5
1019 286 2 1 1015 1 1019 0.00E+00 1478.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010939 6596 102.4 UdeM00000010939 XP_045202793.1 23.5 907
418 31 9 839 15 721 2.80E-18 102.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010938 6596 474.2 UdeM00000010938 XP_045202793.1 24.8 2745
1463 82 9 2619 15 2293 1.10E-129 474.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010940 6596 147.1 UdeM00000010940 XP_045202793.1 21.3 1445
871 42 1 1415 724 1932 1.70E-31 147.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010941 6579 271.6 UdeM00000010941 XP_033743173.1 49.8 287
140 1 54 336 2323 2609 1.40E-69 271.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010942 6596 876.7 UdeM00000010942 XP_045205722.1 59.1 733
290 6 13 742 102 827 2.10E-251 876.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010943 6596 119.4 UdeM00000010943 XP_045205722.1 41.1 141
76 3 1 135 1 140 4.20E-24 119.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010944 6573 550.1 UdeM00000010944 XP_021348280.1 49.3 643
307 8 21 651 23 658 3.90E-153 550.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010945 6573 217.6 UdeM00000010945 XP_021348282.1 82.6 121
21 0 1 121 1 121 8.60E-54 217.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000010946 6596 480.3 UdeM00000010946 XP_045203224.1 58.9 370
148 1 1 370 1 366 2.30E-132 480.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000010947 7222 339 UdeM00000010947 XP_001991451.3 51.8 394
 132 3 44 379 292 685 8.00E-90 339 7222 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Diptera;Brachycera;Muscom
 orpha;Eremoneura;Cyclorrhapha;Schizophora;Acalyptratae;Ephydroidea;Drosop
 hilidae;Drosophilinae;Drosophilini;Drosophila;Hawaiian Drosophila;picture
 wing clade;grimshawi clade;grimshawi group;grimshawi subgroup;Drosophila
 grimshawi
 UdeM00000010950 747089 109.4 UdeM00000010950 XP_025164949.1 51
 96 45 2 1 94 723 818 2.60E-21 109.4 747089
 cellular organisms;Eukaryota;Opisthokonta;Fungi;Fungi incertae
 sedis;Mucoromycota;Glomeromycotina;Glomeromycetes;Glomerales;Glomeraceae;
 Rhizophagus;Rhizophagus irregularis;Rhizophagus irregularis DAOM
 181602=DAOM 197198
 UdeM00000010951 2652724 89 UdeM00000010951 XP_020895502.1 35.3
 133 72 1 26 144 154 286 5.60E-15 89 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000010952 10228 63.2 UdeM00000010952 XP_002118408.1 31.3 134
 75 4 62 178 15 148 4.00E-07 63.2 10228 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
 e;Trichoplax;Trichoplax adhaerens
 UdeM00000010953 9545 95.1 UdeM00000010953 XP_011755562.2 54.1 85
 39 0 1 85 1 85 7.40E-17 95.1 9545 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Haplorrhini;Simiiformes;Catarri
 ni;Cercopithecoidea;Cercopithecidae;Cercopithecinae;Macaca;Macaca
 nemestrina
 UdeM00000010954 29159 129 UdeM00000010954 XP_011429494.2 73.3 86
 23 0 23 108 1330 1415 3.60E-27 129 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010955 45264 100.9 UdeM00000010955 XP_044184343.1 32.2 202
 101 6 4 171 6 205 1.80E-18 100.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000010957 6596 1161 UdeM00000010957 XP_045205917.1 47.1 1391
 522 12 1 1232 1 1336 0.00E+00 1161 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010958 6596 909.1 UdeM00000010958 XP_045205917.1 44.5 1195
 449 12 1 1036 1 1140 5.30E-261 909.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010959 6596 226.1 UdeM00000010959 XP_045205525.1 48.9 235
 117 2 12 244 11 244 5.50E-56 226.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010960 6596 656.4 UdeM00000010960 XP_045205525.1 49.2 675
 340 2 12 684 11 684 4.10E-185 656.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010961 6596 211.1 UdeM00000010961 XP_045205525.1 44.4 239
 133 0 3 241 446 684 1.60E-51 211.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010962 6565 526.2 UdeM00000010962 XP_022308439.1 48.3 580
 286 7 298 874 604 1172 8.40E-146 526.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000010965 6596 241.9 UdeM00000010965 XP_045216546.1 46.9 294
 83 2 1 221 268 561 7.90E-61 241.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010966 6596 103.6 UdeM00000010966 XP_045169752.1 56.8 81
 28 2 1 75 108 187 1.20E-19 103.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010967 6596 634.8 UdeM00000010967 XP_045216546.1 56.4 562
 239 4 3 562 4 561 1.00E-178 634.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010968 6596 72.8 UdeM00000010968 XP_045216546.1 50 64
 32 0 7 70 71 134 2.10E-10 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010969 6596 238.8 UdeM00000010969 XP_045216546.1 33.6 464
 105 4 49 311 85 546 9.40E-60 238.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000010970 6596 644.4 UdeM00000010970 XP_045216546.1 61.8 510
 192 3 1 508 53 561 1.20E-181 644.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010971 6596 650.2 UdeM00000010971 XP_045216546.1 57.7 562
 232 4 3 562 4 561 2.40E-183 650.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010972 6596 650.2 UdeM00000010972 XP_045216546.1 57.7 562
 232 4 77 636 4 561 2.70E-183 650.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010973 6596 648.3 UdeM00000010973 XP_045216546.1 59.1 536
 216 3 30 563 27 561 9.20E-183 648.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010974 6596 632.9 UdeM00000010974 XP_045189663.1 48.1 797
 391 9 4 795 6 784 5.70E-178 632.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010975 6596 1406 UdeM00000010975 XP_045189684.1 58.3 1184
 446 18 6 1161 60 1223 0.00E+00 1406 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010976 6596 1429.5 UdeM00000010976 XP_045189684.1 58.8
 1182 448 17 6 1166 60 1223 0.00E+00 1429.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010978 6579 595.5 UdeM00000010978 XP_033756930.1 52 558
 244 6 96 647 206 745 1.00E-166 595.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010977 6579 595.5 UdeM00000010977 XP_033756930.1 52 558
 244 6 108 659 206 745 1.00E-166 595.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000010980 6596 465.3 UdeM00000010980 XP_045211827.1 53.9 410
 177 7 49 447 68 476 8.90E-128 465.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010981 6596 74.3 UdeM00000010981 XP_045189296.1 35.8 151
 83 5 34 182 73 211 2.30E-10 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010982 6596 174.5 UdeM00000010982 XP_045189300.1 63 138
 50 1 1 138 1 137 1.80E-40 174.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010983 6596 174.5 UdeM00000010983 XP_045189300.1 63 138
 50 1 1 138 1 137 1.80E-40 174.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010984 6596 342.8 UdeM00000010984 XP_045189299.1 47.9 397
 201 4 82 477 75 466 6.90E-91 342.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010985 1735272 402.5 UdeM00000010985 XP_041369377.1 49
 382 191 3 9 388 51 430 6.00E-109 402.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000010986 6579 115.2 UdeM00000010986 XP_033731051.1 53.8 93
 38 1 16 108 64 151 5.90E-23 115.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000010988 6596 1192.2 UdeM00000010988 XP_045190532.1 68.2
 878 272 4 199 1075 589 1460 0.00E+00 1192.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010989 6596 1192.2 UdeM00000010989 XP_045190532.1 68.2
 878 272 4 200 1076 589 1460 0.00E+00 1192.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010990 6596 360.9 UdeM00000010990 XP_045190531.1 35.6 609
 370 8 5 608 1 592 3.70E-96 360.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010992 6596 1069.3 UdeM00000010992 XP_045190576.1 62.1
 900 296 5 15 910 14 872 0.00E+00 1069.3 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000010993 29159 186.4 UdeM00000010993 XP_034328739.1 67.2 131
 43 0 168 298 173 303 5.30E-44 186.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000010994 225164 154.8 UdeM00000010994 XP_009066434.1 40.4
 235 116 6 8 223 45 274 1.50E-34 154.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010995 225164 162.9 UdeM00000010995 XP_009066434.1 40.8
 260 119 8 42 277 26 274 6.60E-37 162.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010996 225164 162.9 UdeM00000010996 XP_009066434.1 40.8
 260 119 8 42 277 26 274 6.60E-37 162.9 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010997 225164 159.8 UdeM00000010997 XP_009066434.1 40
 260 121 8 21 256 26 274 5.30E-36 159.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010998 225164 148.7 UdeM00000010998 XP_009066434.1 36.7
 278 150 7 36 291 17 290 1.20E-32 148.7 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000010999 6596 273.1 UdeM00000010999 XP_045190100.1 46.9 324
 161 5 66 381 87 407 6.90E-70 273.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011000 6596 273.1 UdeM00000011000 XP_045190100.1 46.9 324
 161 5 67 382 87 407 6.90E-70 273.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011003 29159 86.3 UdeM00000011003 XP_034302712.1 49 102
 48 3 17 114 33 134 2.80E-14 86.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011004 6596 424.9 UdeM00000011004 XP_045189024.1 47.2 432
 217 6 40 463 31 459 1.40E-115 424.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011005 6565 196.4 UdeM00000011005 XP_022343861.1 50 242
 84 7 69 276 48 286 4.70E-47 196.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011007 6596 248.1 UdeM00000011007 XP_045189608.1 58.5 272
 85 6 102 360 79 335 1.80E-62 248.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011008 6596 248.1 UdeM00000011008 XP_045189608.1 58.5 272
 85 6 106 364 79 335 1.80E-62 248.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011009 6565 579.3 UdeM00000011009 XP_022343941.1 66.1 381
 125 1 1 377 1 381 3.60E-162 579.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011010 6565 276.9 UdeM00000011010 XP_022343941.1 64.4 188
 63 1 1 184 1 188 1.90E-71 276.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000011011 29159 155.6 UdeM00000011011 XP_019927165.2 68 103
 33 0 1 103 44 146 4.50E-35 155.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000011012 6596 491.5 UdeM00000011012 XP_045190695.1 55.7 422
 169 5 1 418 1 408 1.10E-135 491.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011013 6596 1191.8 UdeM00000011013 XP_045190790.1 53.8
1764 609 36 1 1627 2 1696 0.00E+00 1191.8 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011014 6500 127.1 UdeM00000011014 XP_005094759.1 35.3 218
98 5 3 183 8 219 2.30E-26 127.1 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tectipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000011015 6596 1013.1 UdeM00000011015 XP_045189016.1 60.6
865 329 6 3 859 6 866 2.10E-292 1013.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011016 151771 340.9 UdeM00000011016 XP_028406951.1 35.9
591 326 9 1 581 119 666 3.20E-90 340.9 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000011017 45264 281.6 UdeM00000011017 XP_044184028.1 37.4 476
161 6 42 416 68 507 1.70E-72 281.6 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000011018 45264 288.1 UdeM00000011018 XP_044184028.1 39.6 444
157 6 42 378 68 507 1.60E-74 288.1 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000011019 1735272 425.2 UdeM00000011019 XP_041369955.1 71.4
280 80 0 96 375 163 442 8.50E-116 425.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011020 29159 498.4 UdeM00000011020 XP_034328224.1 57.5 440
180 3 16 448 8 447 9.30E-138 498.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011021 6596 317 UdeM00000011021 XP_045189505.1 66.9 254
76 2 1 254 1 246 3.50E-83 317 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011022 6579 160.6 UdeM00000011022 XP_033756942.1 42.3 182
94 4 24 200 69 244 2.10E-36 160.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011025 7739 265 UdeM00000011025 XP_035669585.1 53.1 254
105 6 42 290 80 324 1.10E-67 265 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000011024 7739 265 UdeM00000011024 XP_035669585.1 53.1 254
105 6 43 291 80 324 1.10E-67 265 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000011026 6596 261.9 UdeM00000011026 XP_045188618.1 62.5 224
83 1 1 224 1 223 7.40E-67 261.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011027 6596 1305.4 UdeM00000011027 XP_045190718.1 56.3
1345 483 18 246 1498 257 1588 0.00E+00 1305.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011028 1735272 394 UdeM00000011028 XP_041370606.1 64.8
321 106 4 108 422 102 421 2.30E-106 394 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011029 1735272 386 UdeM00000011029 XP_041370606.1 60.7
341 109 4 108 444 102 421 6.70E-104 386 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000011030 8520 216.5 UdeM00000011030 XP_042335082.1 50.2 209
100 2 113 320 1954 2159 5.00E-53 216.5 8520 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Iguania;Phrynosomatidae;Phrynosomatinae;Sceloporus;Sceloporus undulatus

UdeM00000011031 400682 216.9 UdeM00000011031 XP_019857924.1 49.5
214 103 3 107 318 75 285 3.90E-53 216.9 400682
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscleromorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica

UdeM00000011032 45264 226.5 UdeM00000011032 XP_044169928.1 44.9 256
 128 5 75 320 121 373 4.90E-56 226.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000011033 70779 132.9 UdeM00000011033 XP_015768033.1 37.5 208
 114 5 38 232 58 262 5.50E-28 132.9 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera
 UdeM00000011034 6596 175.3 UdeM00000011034 XP_045175897.1 43.8 210
 95 3 79 267 9 216 1.10E-40 175.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000011035 400682 109 UdeM00000011035 XP_019853420.1 58.1
 105 37 4 1 101 110 211 3.80E-21 109 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000011036 80972 128.3 UdeM00000011036 XP_035805796.1 51.3 113
 54 1 1 112 275 387 6.60E-27 128.3 80972 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Ovalentaria
 incertae sedis;Pomacentridae;Amphiprion;Amphiprion ocellaris
 UdeM00000011037 400682 220.3 UdeM00000011037 XP_019857924.1 50
 214 102 3 107 318 75 285 3.50E-54 220.3 400682
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
 romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
 UdeM00000011038 45264 226.5 UdeM00000011038 XP_044169928.1 44.9 256
 128 5 75 320 121 373 4.90E-56 226.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000011039 176057 72.8 UdeM00000011039 XP_010011306.1 40.9
 93 31 2 1 69 83 175 2.00E-10 72.8 176057
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Psittaciformes;Psittacidae;Nestor;Nestor notabilis
 UdeM00000011040 45351 133.3 UdeM00000011040 XP_001630422.2 56.1 114
 48 1 54 167 32 143 3.40E-28 133.3 45351 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
 UdeM00000011041 400682 109 UdeM00000011041 XP_019853420.1 58.1
 105 37 4 1 101 110 211 3.80E-21 109 400682
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
UdeM00000011042 7604 387.9 UdeM00000011042 XP_033641066.1 54.9 304
137 0 1 304 79 382 1.20E-104 387.9 7604 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
atida;Astериidae;Astериas;Astериas rubens
UdeM00000011043 8078 407.1 UdeM00000011043 XP_036001706.1 57.5 313
131 1 4 316 75 385 2.00E-110 407.1 8078 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
rinodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus
heteroclitus
UdeM00000011044 400682 220.3 UdeM00000011044 XP_019857924.1 50
214 102 3 107 318 75 285 3.50E-54 220.3 400682
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
UdeM00000011045 45264 216.5 UdeM00000011045 XP_044165397.1 44.1 256
130 5 75 320 146 398 5.00E-53 216.5 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000011046 400682 210.7 UdeM00000011046 XP_019853437.1 48.9
223 106 6 101 318 68 287 2.70E-51 210.7 400682
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
UdeM00000011047 45264 216.5 UdeM00000011047 XP_044165397.1 44.1 256
130 5 75 320 146 398 5.00E-53 216.5 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000011048 400682 210.7 UdeM00000011048 XP_019853437.1 48.9
223 106 6 101 318 68 287 2.70E-51 210.7 400682
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
UdeM00000011049 400682 171 UdeM00000011049 XP_019861602.1 59
134 53 1 1 134 57 188 1.10E-39 171 400682
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Porifera;Demospongiae;Heteroscle
romorpha;Haplosclerida;Niphatidae;Amphimedon;Amphimedon queenslandica
UdeM00000011050 6596 172.9 UdeM00000011050 XP_045185790.1 40.7 231
108 2 88 291 80 308 5.80E-40 172.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000011051 6596 466.8 UdeM00000011051 XP_045189461.1 58.9 394
156 4 1 388 1 394 2.60E-128 466.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011052 6596 225.3 UdeM00000011052 XP_045189805.1 66.7 168
56 0 7 174 208 375 7.10E-56 225.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011053 6596 166 UdeM00000011053 XP_045189802.1 81.5 92
17 0 1 92 120 211 2.90E-38 166 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011054 6573 648.3 UdeM00000011054 XP_021371934.1 63.2 668
228 2 1 667 4 654 1.10E-182 648.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011055 6596 946.8 UdeM00000011055 XP_045189810.1 80.7 564
109 0 1 564 1 564 1.20E-272 946.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011056 6573 455.7 UdeM00000011056 XP_021375222.1 57.9 416
157 11 23 427 222 630 6.60E-125 455.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011058 6596 409.5 UdeM00000011058 XP_045188690.1 64 283
102 0 14 296 10 292 3.90E-111 409.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011059 6596 598.6 UdeM00000011059 XP_045190635.1 64.2 452
160 1 6 457 8 457 8.90E-168 598.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011060 29159 958.4 UdeM00000011060 XP_034329666.1 37.4 1315
719 13 1 1220 1 1306 8.90E-276 958.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000011061 6596 1434.1 UdeM00000011061 XP_045189260.1 85.5
846 110 4 1 843 1 836 0.00E+00 1434.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011062	6596	1442.2		UdeM00000011062	XP_045189260.1	86.4	
837	110	3	1	834	1	836	0.00E+00 1442.2 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011063	6596	438		UdeM00000011063	XP_045189260.1	88.6	255
27	1	1	253	846	1100	8.50E-120	438 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011064	6596	466.5		UdeM00000011064	XP_045190938.1	43.1	573
306	9	1	555	18	588	4.80E-128	466.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011065	6596	483		UdeM00000011065	XP_045190938.1	43.3	587
313	9	21	589	4	588	5.30E-133	483 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011066	6500	90.9		UdeM00000011066	XP_005108556.2	38.7	137
79	2	2	134	474	609	1.40E-15	90.9 6500 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000011067	6596	354.4		UdeM00000011067	XP_045188119.1	53.2	340
154	3	6	345	14	348	2.90E-94	354.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011069	6596	57.8		UdeM00000011069	XP_045189070.1	41.4	87
49	2	1	86	1	86	8.90E-06	57.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011070	6596	427.2		UdeM00000011070	XP_045189679.1	71.1	301
82	3	1	301	1	296	1.80E-116	427.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000011071	6596	633.3		UdeM00000011071	XP_045190592.1	88.3	326
38	0	1	326	1	326	1.80E-178	633.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011072 133434 63.9 UdeM00000011072 XP_022097689.1 26.4
178 130 1 30 206 46 223 4.30E-07 63.9 133434
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000011073 6596 413.3 UdeM00000011073 XP_045188723.1 53 479
189 7 1 456 1 466 4.00E-112 413.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011074 6565 247.7 UdeM00000011074 XP_022344430.1 52.1 217
101 2 41 255 17 232 1.60E-62 247.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000011075 6596 578.6 UdeM00000011075 XP_045189584.1 70.2 419
118 6 1 415 1 416 6.90E-162 578.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011077 6573 945.3 UdeM00000011077 XP_021366934.1 87.3 518
64 1 1 516 1 518 3.30E-272 945.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000011078 6579 244.6 UdeM00000011078 XP_033757454.1 49.6 262
130 1 1 262 1 260 1.60E-61 244.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011082 6579 144.1 UdeM00000011082 XP_033744293.1 30.7 323
204 8 235 543 100 416 5.90E-31 144.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000011083 6596 328.2 UdeM00000011083 XP_045187824.1 41.5 427
223 5 7 431 4 405 1.60E-86 328.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011084 6596 332.4 UdeM00000011084 XP_045187824.1 51.2 324
155 2 9 330 6 328 8.50E-88 332.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011086 6596 323.2 UdeM00000011086 XP_045184476.1 40.6 431
225 7 11 430 1 411 5.20E-85 323.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011087 6596 298.9 UdeM00000011087 XP_045187824.1 41.4 418
217 6 21 435 6 398 1.10E-77 298.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000011088 6596 330.5 UdeM00000011088 XP_045191221.1 40.5 425
229 5 15 432 8 415 3.20E-87 330.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043561 225164 534.3 UdeM00000043561 XP_009064093.1 37
710 374 9 127 821 96 747 2.80E-148 534.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000043562 1735272 68.9 UdeM00000043562 XP_041348304.1 40
75 45 0 6 80 43 117 4.00E-09 68.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043563 29159 323.9 UdeM00000043563 XP_011442026.2 27.6 856
546 23 1 806 205 1036 7.30E-85 323.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043564 225164 491.5 UdeM00000043564 XP_009064093.1 34.3
727 442 13 67 774 38 747 2.00E-135 491.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000043565 225164 491.9 UdeM00000043565 XP_009064093.1 34.3
727 442 13 10 717 38 747 1.40E-135 491.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000043566 225164 184.1 UdeM00000043566 XP_009064093.1 37.8
249 153 2 5 253 187 433 2.70E-43 184.1 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000043567 1735272 680.2 UdeM00000043567 XP_041349173.1 37.7
884 507 9 97 955 65 929 3.70E-192 680.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043568 225164 173.3 UdeM00000043568 XP_009064093.1 37
254 153 4 44 292 149 400 5.80E-40 173.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000043570 6596 385.2 UdeM00000043570 XP_045165929.1 43.3 605
288 15 1108 1675 721 1307 4.30E-103 385.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043571 6579 691 UdeM00000043571 XP_033746499.1 56.7 561
243 0 1 561 2 562 1.20E-195 691 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043572 225164 1017.3 UdeM00000043572 XP_009057905.1
78.6 637 136 0 1 637 1 637 8.50E-294 1017.3
225164 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000043296 6596 293.9 UdeM00000043296 XP_045182820.1 68.7 211
43 1 444 631 326 536 6.20E-76 293.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043297 6596 795 UdeM00000043297 XP_045182820.1 70.7 536
134 1 1 513 1 536 7.30E-227 795 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043298 29159 99.8 UdeM00000043298 XP_034307807.1 32.8 180
104 6 176 350 21 188 7.60E-18 99.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043299 6596 304.7 UdeM00000043299 XP_045177776.1 33.4 598
269 9 1 596 405 875 2.70E-79 304.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043300 1735272 282.7 UdeM00000043300 XP_041375509.1 36.1
462 269 7 46 487 687 1142 8.80E-73 282.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000043301 1735272 259.2 UdeM00000043301 XP_041375509.1 36.6
421 247 6 7 407 722 1142 8.70E-66 259.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000043302 6596 62.8 UdeM00000043302 XP_045200730.1 28.3 120
76 2 43 154 175 292 4.90E-07 62.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043303 6579 737.6 UdeM00000043303 XP_033731430.1 74.2 457
118 0 1 457 1 457 9.50E-210 737.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000043304 6596 337.4 UdeM00000043304 XP_045177779.1 32 726
330 16 1 700 97 684 5.40E-89 337.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000038865 29159 369.8 UdeM00000038865 XP_034333379.1 76.9 221
46 1 3 223 56 271 2.50E-99 369.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038866 29159 375.6 UdeM00000038866 XP_034333379.1 76.5 226
48 1 1 226 51 271 4.60E-101 375.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038867 29159 358.2 UdeM00000038867 XP_034333379.1 78.4 208
40 1 7 214 69 271 7.20E-96 358.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038869 29159 350.1 UdeM00000038869 XP_034333379.1 78.3 203
39 1 1 203 74 271 1.90E-93 350.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038868 29159 379.8 UdeM00000038868 XP_034333379.1 73.4 244
59 2 47 289 33 271 3.10E-102 379.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038870 29159 350.1 UdeM00000038870 XP_034333379.1 78.3 203
39 1 1 203 74 271 1.90E-93 350.1 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000038871 29159 358.2 UdeM00000038871 XP_034333379.1 78.4 208
40 1 7 214 69 271 7.20E-96 358.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000039822 6596 446.8 UdeM00000039822 XP_045198006.1 59.1 372
134 6 55 409 34 404 3.00E-122 446.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039823 6596 447.6 UdeM00000039823 XP_045198006.1 59.4 372
133 6 55 409 34 404 1.70E-122 447.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039824 6565 493.4 UdeM00000039824 XP_022306666.1 76.5 311
69 3 161 469 22 330 3.10E-136 493.4 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000039826 6596 275 UdeM00000039826 XP_045183658.1 44 359
197 3 8 362 12 370 1.40E-70 275 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039827 7574 67.4 UdeM00000039827 XP_013415071.1 50.8 63
31 0 15 77 539 601 9.80E-09 67.4 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000039828 6596 1022.7 UdeM00000039828 XP_045183230.1 76.3
679 158 2 1 676 1 679 2.20E-295 1022.7 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039829 6596 481.5 UdeM00000039829 XP_045184893.1 60 365
134 3 1 355 5 367 9.30E-133 481.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000039831 6573 64.3 UdeM00000039831 XP_021372478.1 80.6 31
6 0 93 123 97 127 1.20E-07 64.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000039832 6105 63.9 UdeM00000039832 XP_031566262.1 53.8 52
 23 1 161 212 645 695 3.80E-07 63.9 6105 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
 UdeM00000039833 6596 1534.6 UdeM00000039833 XP_045183130.1 67.5
 1364 334 14 1 1262 1 1357 0.00E+00 1534.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039834 6596 804.3 UdeM00000039834 XP_045183780.1 89.3 430
 28 2 2 418 3 427 7.40E-230 804.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039835 6596 716.8 UdeM00000039835 XP_045183345.1 53.2 744
 265 11 14 680 3 740 2.50E-203 716.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039836 6596 335.5 UdeM00000039836 XP_045158809.1 57.9 297
 116 2 65 361 1 288 8.40E-89 335.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039837 6596 335.1 UdeM00000039837 XP_045158809.1 57.9 297
 116 2 1 297 1 288 9.00E-89 335.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039838 6596 807 UdeM00000039838 XP_045183975.1 53.6 791
 330 18 30 798 27 802 2.30E-230 807 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039839 6596 808.5 UdeM00000039839 XP_045183975.1 53.3 801
 334 19 56 834 20 802 8.30E-231 808.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039840 6596 805.4 UdeM00000039840 XP_045183975.1 52.8 811
 343 19 9 797 10 802 6.70E-230 805.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000039841 6596 729.9 UdeM00000039841 XP_045183975.1 51.5 777
 311 23 12 754 27 771 3.40E-207 729.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039842 6596 852.4 UdeM00000039842 XP_045183975.1 55.1 908
 349 21 15 883 13 900 5.00E-244 852.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039845 6596 788.1 UdeM00000039845 XP_045184912.1 67.4 654
 202 4 1 645 1 652 8.40E-225 788.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039846 6573 367.1 UdeM00000039846 XP_021347196.1 55.4 327
 138 3 10 331 389 712 2.40E-98 367.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039847 6573 370.9 UdeM00000039847 XP_021347196.1 55.8 310
 131 3 24 328 404 712 1.60E-99 370.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000039849 29159 273.5 UdeM00000039849 XP_034321132.1 45.4 306
 145 7 67 372 43 326 4.10E-70 273.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039850 29159 385.2 UdeM00000039850 XP_034321132.1 55.7 327
 132 6 84 407 15 331 1.00E-103 385.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039851 6596 115.2 UdeM00000039851 XP_045184958.1 32.5 252
 137 11 17 236 71 321 1.20E-22 115.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039852 29159 451.4 UdeM00000039852 XP_034321130.1 64 328
 113 4 6 329 4 330 9.90E-124 451.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000039853 6596 72.8 UdeM00000039853 XP_045184790.1 47.8 69
 32 2 255 319 304 372 9.00E-10 72.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039854 6565 85.5 UdeM00000039854 XP_022311800.1 34.8 155
 82 6 83 237 86 221 1.00E-13 85.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039855 6565 128.3 UdeM00000039855 XP_022311800.1 44.2 138
 71 3 89 226 90 221 1.30E-26 128.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000039856 1735272 292.4 UdeM00000039856 XP_041355979.1 48.1
 345 152 7 130 462 138 467 1.10E-75 292.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039857 1735272 558.9 UdeM00000039857 XP_041355640.1 61.6
 422 158 2 28 445 24 445 5.80E-156 558.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039859 1735272 591.3 UdeM00000039859 XP_041355640.1 66.3
 413 136 2 35 444 31 443 1.10E-165 591.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000039860 6596 370.9 UdeM00000039860 XP_045184549.1 73.1 227
 61 0 1 227 108 334 1.10E-99 370.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039861 6596 494.2 UdeM00000039861 XP_045184549.1 66.9 332
 109 1 16 346 3 334 1.40E-136 494.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039862 6596 480.3 UdeM00000039862 XP_045184549.1 67.1 319
 104 1 2 319 16 334 1.90E-132 480.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039863 6565 119 UdeM00000039863 XP_022306664.1 63.2 87
 31 1 71 156 238 324 6.10E-24 119 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039864 225164 93.6 UdeM00000039864 XP_009044124.1 30.5
 285 188 5 94 368 28 312 6.00E-16 93.6 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000039865 2607531 111.7 UdeM00000039865 XP_029639158.1 38
 171 96 3 3 173 9 169 9.50E-22 111.7 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000039866 6596 630.6 UdeM00000039866 XP_045183788.1 59.7 484
 181 2 1 470 1 484 1.70E-177 630.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039867 2607531 108.2 UdeM00000039867 XP_029639158.1 36.3
 171 99 4 3 173 9 169 1.10E-20 108.2 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000039868 9447 69.3 UdeM00000039868 XP_045387570.1 28.2 209
 136 7 98 296 111 315 1.70E-08 69.3 9447 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Euarchontoglires;Primates;Strepsirrhini;Lemuriformes;Lemur
 idae;Lemur;Lemur catta
 UdeM00000039869 6596 74.3 UdeM00000039869 XP_045209738.1 51.3 76
 33 1 138 209 488 563 2.10E-10 74.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039871 400727 93.2 UdeM00000039871 XP_025110168.1 38.2
 123 65 2 189 305 103 220 6.30E-16 93.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000039872 6596 299.7 UdeM00000039872 XP_045199130.1 51.7 267
 129 0 161 427 130 396 6.20E-78 299.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000039874 6596 1078.2 UdeM00000039874 XP_045184845.1 53.4
 977 441 7 1 969 1 971 0.00E+00 1078.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039875 6579 371.3 UdeM00000039875 XP_033725273.1 57.2 292
120 3 62 352 86 373 1.40E-99 371.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039876 7739 98.6 UdeM00000039876 XP_035690011.1 29.1 247
145 7 2 231 344 577 1.40E-17 98.6 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000039878 45264 146 UdeM00000039878 XP_029214501.2 40.6 155
88 1 2 152 580 734 9.00E-32 146 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000039877 70779 228 UdeM00000039877 XP_015749890.1 41.9 279
147 8 11 274 143 421 2.40E-56 228 70779 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora digitifera

UdeM00000039879 6579 376.3 UdeM00000039879 XP_033725273.1 58.1 296
119 3 19 313 78 369 3.80E-101 376.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039881 6579 372.9 UdeM00000039881 XP_033725273.1 57.4 296
121 3 19 313 78 369 4.20E-100 372.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039880 6579 311.6 UdeM00000039880 XP_033725273.1 51 296
112 5 60 326 78 369 1.20E-81 311.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039882 7604 303.5 UdeM00000039882 XP_033633146.1 41 390
212 3 262 633 29 418 7.00E-79 303.5 7604 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipulatacida;Asteroidea;Asteroidea;Asteroidea;Forcipulatacea;Forcipulatacida;Asteroidea;Asteroidea;Asteroidea

UdeM00000039889 6579 248.1 UdeM00000039889 XP_033725337.1 55.5 211
88 2 15 225 29 233 1.20E-62 248.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039890 6579 98.6 UdeM00000039890 XP_033726025.1 52.8 89
42 0 2 90 139 227 5.20E-18 98.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000039891 29159 134.8 UdeM00000039891 XP_034307878.1 39.9 183
107 2 1 181 92 273 2.20E-28 134.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039893 1735272 95.9 UdeM00000039893 XP_041355355.1 31.9
210 113 7 25 217 31 227 8.10E-17 95.9 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039894 225164 258.5 UdeM00000039894 XP_009046725.1 57.1
210 83 3 26 235 24 226 9.60E-66 258.5 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000039895 6596 414.1 UdeM00000039895 XP_045183644.1 76.8 272
59 2 37 304 493 764 2.40E-112 414.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000039896 6565 922.9 UdeM00000039896 XP_022303207.1 82.4 534
94 0 20 553 543 1076 1.90E-265 922.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000039897 29159 70.9 UdeM00000039897 XP_034338862.1 25.8 256
160 7 29 262 78 325 3.00E-09 70.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039900 6596 93.6 UdeM00000039900 XP_045183838.1 35.4 130
84 0 3 132 8 137 2.40E-16 93.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000039901 29159 93.2 UdeM00000039901 XP_034321851.1 32.2 177
90 5 21 173 838 1008 3.50E-16 93.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039903 29159 95.1 UdeM00000039903 XP_034321851.1 32.9 158
80 3 35 192 245 376 1.10E-16 95.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039905 29159 90.5 UdeM00000039905 XP_011444018.3 29.7 185
110 6 19 202 25 190 6.10E-15 90.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000039906 1735272 713.4 UdeM00000039906 XP_041361314.1 79
415 87 0 1 415 1 415 1.70E-202 713.4 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039907 6596 951 UdeM00000039907 XP_045183687.1 84.5 550
80 1 26 570 30 579 6.70E-274 951 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039908 6596 475.3 UdeM00000039908 XP_045184511.1 67.6 330
107 0 1 330 1 330 6.20E-131 475.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039909 6596 481.1 UdeM00000039909 XP_045184511.1 67.6 330
107 0 1 330 1 330 1.10E-132 481.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039910 6596 407.5 UdeM00000039910 XP_045184511.1 60.1 328
100 1 1 297 1 328 1.40E-110 407.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039911 6596 470.3 UdeM00000039911 XP_045184511.1 66.1 330
112 0 1 330 1 330 2.00E-129 470.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039912 6596 494.6 UdeM00000039912 XP_045184549.1 68.6 334
104 1 1 333 1 334 1.00E-136 494.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039913 6596 487.6 UdeM00000039913 XP_045184549.1 68.3 334
105 1 1 333 1 334 1.20E-134 487.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039914 6596 387.9 UdeM00000039914 XP_045184549.1 56.6 334
106 2 1 295 1 334 1.20E-104 387.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039915 6596 284.6 UdeM00000039915 XP_045199479.1 43.8 388
192 6 24 390 99 481 1.90E-73 284.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039916 6596 482.3 UdeM00000039916 XP_045184549.1 68 334
106 1 1 333 1 334 5.10E-133 482.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039917 6596 481.5 UdeM00000039917 XP_045184549.1 66.5 334
111 1 1 333 1 334 8.70E-133 481.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039918 6596 459.1 UdeM00000039918 XP_045184526.1 65.8 333
111 2 1 333 1 330 4.60E-126 459.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039919 6596 487.6 UdeM00000039919 XP_045184549.1 68 334
106 1 1 333 1 334 1.20E-134 487.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039920 6596 531.6 UdeM00000039920 XP_045208070.1 40.1 633
362 9 15 636 21 647 1.40E-147 531.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039921 6596 528.1 UdeM00000039921 XP_045208070.1 41.3 637
358 9 24 651 18 647 1.60E-146 528.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039922 1735272 1386.3 UdeM00000039922 XP_041372550.1
56.4 1187 501 9 28 1203 9 1190 0.00E+00 1386.3
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000039923 7574 202.2 UdeM00000039923 XP_013413015.1 65.3 150
51 1 1 150 509 657 4.60E-49 202.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000039924 6596 657.5 UdeM00000039924 XP_045207426.1 54.8 637
266 9 5 633 8 630 1.70E-185 657.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039925 6596 451.8 UdeM00000039925 XP_045207426.1 53.2 468
198 8 5 464 8 462 1.00E-123 451.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000039926 6596 829.3 UdeM00000039926 XP_045207037.1 75.7 540
131 0 1 540 1 540 3.30E-237 829.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035795 7668 201.8 UdeM00000035795 XP_003729577.2 46.8 205
92 2 9 196 712 916 8.40E-49 201.8 7668 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000035796 6573 473 UdeM00000035796 XP_021345838.1 83.3 258
43 0 22 279 121 378 2.60E-130 473 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035797 37653 224.9 UdeM00000035797 XP_014789154.1 78.4 134
23 2 1 134 1 128 1.10E-55 224.9 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000035798 6565 86.3 UdeM00000035798 XP_022297447.1 28 250
73 6 1 143 117 366 3.60E-14 86.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035799 151771 74.3 UdeM00000035799 XP_028408207.1 39.5
114 68 1 89 202 168 280 2.00E-10 74.3 151771
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octocorallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya gigantea

UdeM00000035800 225164 318.9 UdeM00000035800 XP_009051441.1 88.3
180 20 1 1 179 1 180 4.00E-84 318.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000035801 6579 380.2 UdeM00000035801 XP_033751567.1 49 433
200 8 88 516 79 494 4.30E-102 380.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035802 29159 321.2 UdeM00000035802 XP_034326432.1 53 283
 132 1 1 282 1 283 1.30E-84 321.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035803 6573 424.9 UdeM00000035803 XP_021345180.1 71.2 306
 80 5 11 315 411 709 9.20E-116 424.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035804 6596 304.3 UdeM00000035804 XP_045175852.1 88 166
 19 1 22 186 215 380 1.10E-79 304.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035805 6596 182.2 UdeM00000035805 XP_045175852.1 86.7 105
 11 1 38 142 79 180 5.20E-43 182.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035806 1735272 427.9 UdeM00000035806 XP_041366024.1 63.8
 329 116 2 6 334 8 333 1.20E-116 427.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035807 7574 143.3 UdeM00000035807 XP_013412072.1 33.6 247
 155 5 1 240 20 264 8.40E-31 143.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000035808 29159 552 UdeM00000035808 XP_011439211.1 57.2 449
 132 1 56 504 40 428 8.00E-154 552 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035809 6596 323.2 UdeM00000035809 XP_045174193.1 42 545
 293 9 1 526 1 541 8.20E-85 323.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035810 6596 276.9 UdeM00000035810 XP_045174999.1 82.4 165
 29 0 1 165 1 165 1.60E-71 276.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035811 6596 269.2 UdeM00000035811 XP_045174999.1 78.6 173
 29 1 1 173 1 165 3.60E-69 269.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035812	6596	1491.9		UdeM00000035812	XP_045174733.1	83.7				
	860	139	1	1	859	1	860	0.00E+00	1491.9	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035814	1735272		89.4	UdeM00000035814	XP_041361655.1	41.7				
	96	55	1	6	100	796	891	3.20E-15	89.4	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035816	6596	1078.2		UdeM00000035816	XP_045175461.1	49				
	1289	591	18	9	1248	104	1374	0.00E+00	1078.2	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035817	6573	489.6		UdeM00000035817	XP_021338906.1	32.4	1039			
	593	23	236	1249	105	1059	1.20E-134	489.6	6573	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035818	6596	1529.2		UdeM00000035818	XP_045177108.1	78.9				
	1007	160	5	1	1005	1	957	0.00E+00	1529.2	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035819	6596	128.6		UdeM00000035819	XP_045175364.1	45.3	179			
	77	7	2	160	16	193	1.00E-26	128.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035820	6596	1993		UdeM00000035820	XP_045175364.1	59.5	1724			
	636	17	11	1715	222	1901	0.00E+00	1993	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035821	6596	260.8		UdeM00000035821	XP_045174591.1	56.1	221			
	94	2	60	278	29	248	2.50E-66	260.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035822	6596	271.6		UdeM00000035822	XP_045210738.1	38	374			
	224	4	284	651	14	385	2.80E-69	271.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035823 6579 126.7 UdeM00000035823 XP_033755738.1 48.9 135
66 1 579 710 5 139 1.20E-25 126.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035824 6579 659.1 UdeM00000035824 XP_033752286.1 54.5 598
266 3 17 608 10 607 5.60E-186 659.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035825 6579 729.6 UdeM00000035825 XP_033751751.1 67.1 560
183 1 207 766 186 744 4.20E-207 729.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035827 7962 63.2 UdeM00000035827 XP_042630649.1 30.4 148
89 4 12 154 396 534 4.20E-07 63.2 7962 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio

UdeM00000035830 6596 589.7 UdeM00000035830 XP_045175481.1 55 520
202 5 18 532 12 504 3.90E-165 589.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035832 6596 542.7 UdeM00000035832 XP_045175481.1 59 422
171 2 1 421 35 455 4.10E-151 542.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035834 6596 575.1 UdeM00000035834 XP_045175481.1 59.5 449
176 3 1 444 35 482 1.00E-160 575.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035835 6596 207.2 UdeM00000035835 XP_045175481.1 71.2 139
39 1 1 139 35 172 1.50E-50 207.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035837 6596 256.1 UdeM00000035837 XP_045183440.1 52.9 240
108 3 2 240 145 380 5.40E-65 256.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000035838 6596 357.1 UdeM00000035838 XP_045175481.1 51.7 325
 145 3 2 321 187 504 3.20E-95 357.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035840 10228 63.5 UdeM00000035840 XP_002118407.1 26.9 160
 101 6 270 427 462 607 7.30E-07 63.5 10228 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
 e;Trichoplax;Trichoplax adhaerens
 UdeM00000035842 6596 580.1 UdeM00000035842 XP_045175481.1 60.1 449
 173 3 1 444 35 482 3.00E-162 580.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035843 6596 184.1 UdeM00000035843 XP_045175481.1 70.4 125
 37 0 22 146 16 140 1.40E-43 184.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035844 6596 417.5 UdeM00000035844 XP_045175481.1 53.9 347
 154 3 7 348 137 482 2.20E-113 417.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035845 6596 562.4 UdeM00000035845 XP_045175481.1 57.5 449
 185 3 1 444 35 482 6.70E-157 562.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035847 6596 231.5 UdeM00000035847 XP_045206316.1 52 221
 105 1 45 264 84 304 1.50E-57 231.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035848 225164 104.4 UdeM00000035848 XP_009058199.1 47.8
 113 52 2 1 113 1 106 9.90E-20 104.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035849 6573 94 UdeM00000035849 XP_021367843.1 51.2 86
 40 1 68 153 328 411 1.80E-16 94 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035850 6579 172.9 UdeM00000035850 XP_033752673.1 69 113
 35 0 21 133 540 652 2.70E-40 172.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000035851 8240 94 UdeM00000035851 XP_042258728.1 29 231
 67 4 1 134 77 307 1.60E-16 94 8240 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Pelagiaria;Scombriformes;Scombr
 idae;Scombrinae;Thunnini;Thunnus;Thunnus maccoyii
 UdeM00000035852 225164 58.5 UdeM00000035852 XP_009058200.1 47.8
 67 35 0 1 67 1 67 3.70E-06 58.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035853 6596 584.3 UdeM00000035853 XP_045175481.1 54.3 501
 218 4 26 516 16 515 1.80E-163 584.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035854 6573 73.9 UdeM00000035854 XP_021365625.1 51.4 70
 34 0 6 75 57 126 2.40E-10 73.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035855 6596 573.5 UdeM00000035855 XP_045174432.1 61.3 452
 162 6 1 445 1 446 2.30E-160 573.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035857 29159 181.8 UdeM00000035857 XP_011415663.1 60.1 138
 55 0 2 139 5 142 6.20E-43 181.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035856 29159 174.5 UdeM00000035856 XP_011415663.1 62.6 131
 49 0 2 132 5 135 1.90E-40 174.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035858 6573 198 UdeM00000035858 XP_021350368.1 53.9 191
 71 3 124 303 101 285 1.80E-47 198 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035860 6596 338.6 UdeM00000035860 XP_045176648.1 57.5 266
 107 3 11 271 250 514 7.50E-90 338.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035859 6596 667.2 UdeM00000035859 XP_045176648.1 61.9 496
182 4 19 508 20 514 1.70E-188 667.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035861 6596 336.3 UdeM00000035861 XP_045176648.1 66 235
79 1 19 252 20 254 3.50E-89 336.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035862 37003 83.6 UdeM00000035862 XP_017280886.1 36 139
69 5 22 151 24 151 2.40E-13 83.6 37003 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Aplocheiloidei;Rivulidae;Kryptolebias;Kryptolebias

marmoratus

UdeM00000035863 1735272 358.2 UdeM00000035863 XP_041367842.1 61.1
285 106 2 1 280 2 286 9.40E-96 358.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035865 6565 324.7 UdeM00000035865 XP_022341462.1 46 378
176 8 131 481 61 437 2.00E-85 324.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035864 6565 401 UdeM00000035864 XP_022341462.1 45.8 454
217 9 131 557 61 512 2.50E-108 401 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035866 6596 535.8 UdeM00000035866 XP_045176645.1 65.7 686
210 9 12 685 10 682 9.90E-149 535.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035867 6579 478.8 UdeM00000035867 XP_033752152.1 64.1 373
125 2 1 364 7 379 1.20E-131 478.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035868 6579 430.3 UdeM00000035868 XP_033752155.1 41.5 557
303 10 10 552 14 561 3.80E-117 430.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000035869 1735272 183 UdeM00000035869 XP_041366416.1 30.8
698 397 26 1150 1789 1097 1766 3.40E-42 183 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035870 6596 135.6 UdeM00000035870 XP_045176402.1 57.3 117
48 1 3 117 13 129 4.20E-29 135.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035871 7574 288.5 UdeM00000035871 XP_013414514.1 72.1 183
51 0 37 219 19 201 7.20E-75 288.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000035872 6596 508.1 UdeM00000035872 XP_045175049.1 66.8 482
137 6 1 475 3 468 1.70E-140 508.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035873 6596 504.6 UdeM00000035873 XP_045175049.1 67.4 469
131 5 1 462 15 468 1.90E-139 504.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035874 6573 533.9 UdeM00000035874 XP_021347864.1 64.2 430
139 6 1 419 1 426 1.90E-148 533.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035875 6596 371.7 UdeM00000035875 XP_045175607.1 46.7 381
201 2 1 380 31 410 1.20E-99 371.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035876 6596 506.1 UdeM00000035876 XP_045176983.1 59.5 417
145 3 6 420 8 402 4.20E-140 506.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035877 6596 597 UdeM00000035877 XP_045176896.1 59.7 472
183 3 22 490 27 494 2.10E-167 597 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035879 1735272 120.2 UdeM00000035879 XP_041366448.1 45.5
 156 82 2 13 165 53 208 3.20E-24 120.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035878 1735272 122.5 UdeM00000035878 XP_041366448.1 44
 166 90 2 13 175 53 218 6.30E-25 122.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035880 6596 629.8 UdeM00000035880 XP_045175099.1 64.8 512
 140 6 14 512 129 613 3.10E-177 629.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035881 6573 167.2 UdeM00000035881 XP_021345824.1 61.8 131
 50 0 13 143 20 150 1.70E-38 167.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035882 6573 682.9 UdeM00000035882 XP_021345186.1 73.9 487
 101 11 1 474 1 474 2.80E-193 682.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035883 6596 528.5 UdeM00000035883 XP_045174607.1 63 465
 139 9 1 440 1119 1575 8.20E-147 528.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035884 29159 340.1 UdeM00000035884 XP_019924538.2 58.3 333
 109 9 1 320 1195 1510 3.10E-90 340.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035885 29159 392.1 UdeM00000035885 XP_011433294.2 54.2 426
 160 12 35 446 1096 1500 9.40E-106 392.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035887 6596 64.7 UdeM00000035887 XP_045197206.1 35.8 81
 44 1 4 76 517 597 5.90E-08 64.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035888 6596 84 UdeM00000035888 XP_045174607.1 60.3 63
 25 0 2 64 244 306 6.40E-13 84 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035889 6596 256.1 UdeM00000035889 XP_045174607.1 56.1 246
 100 3 1 238 14 259 4.30E-65 256.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035890 1735272 327 UdeM00000035890 XP_041367128.1 69.4
 235 66 2 177 409 5 235 3.50E-86 327 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035891 6596 575.5 UdeM00000035891 XP_045175863.1 67.8 438
 42 3 1 434 115 457 5.80E-161 575.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035892 1735272 100.5 UdeM00000035892 XP_041366756.1 85.2
 61 9 0 1 61 15 75 8.50E-19 100.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000035893 6596 226.1 UdeM00000035893 XP_045176984.1 38.1 328
 186 6 3 328 172 484 1.70E-55 226.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035894 6573 112.8 UdeM00000035894 XP_021353103.1 38.4 125
 76 1 2 126 27 150 3.20E-22 112.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035895 225164 453.4 UdeM00000035895 XP_009044713.1 39.1
 804 352 15 15 786 549 1246 6.20E-124 453.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000035896 6596 374.4 UdeM00000035896 XP_045161997.1 52.4 412
 156 10 5 395 123 515 2.60E-100 374.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035897 1735272 151.4 UdeM00000035897 XP_041377375.1 60.2
 113 45 0 2 114 6 118 2.10E-33 151.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000035899	7962	72.8	UdeM00000035899	XP_042587992.1	37.3	83
52	0	19	101	163	245	1.50E-09

72.8 7962 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Otomorpha; Ostariophysi; Otophysi; Cypriniphysae; Cypriniformes; Cyprinidae; Cyprininae; Cyprinus; Cyprinus carpio

UdeM00000035898	1735272	111.7	UdeM00000035898	XP_041365892.1	38.4	
138	84	1	13	149	1599	1736

4.20E-21 111.7 1735272 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000035900	43179	154.8	UdeM00000035900	XP_040126495.1	40	200
108	6	4	196	241	435	1.10E-34

154.8 43179 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarcopterygii; Dipnotetrapodomorpha; Tetrapoda; Amniota; Mammalia; Theria; Eutheria; Boreoeutheria; Euarchontoglires; Glires; Rodentia; Sciuromorpha; Sciuridae; Xerinae; Marmotini; Ictidomys; Ictidomys tridecemlineatus

UdeM00000035901	6565	281.2	UdeM00000035901	XP_022308109.1	44.2	278
126	2	193	470	518	766	5.30E-72

281.2 6565 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000035902	6565	179.9	UdeM00000035902	XP_022291128.1	54	161
74	0	135	295	94	254	5.20E-42

179.9 6565 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreioidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000035903	6579	81.6	UdeM00000035903	XP_033752950.1	39.6	111
66	1	1	111	23	132	1.50E-12

81.6 6579 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000035904	6579	96.7	UdeM00000035904	XP_033752950.1	40.2	127
75	1	9	135	7	132	4.90E-17

96.7 6579 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000035905	2607531	109.8	UdeM00000035905	XP_029639158.1	38.7	
155	89	2	19	173	21	169

3.60E-21 109.8 2607531 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Octopoda; Incirrata; Octopodidae; Octopus; Octopus sinensis

UdeM00000035906	6596	202.6	UdeM00000035906	XP_045174743.1	35.4	826
307	22	2	614	4	815	1.50E-48

202.6 6596 cellular organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000035907 6596 308.1 UdeM00000035907 XP_045175505.1 42.8 362
 205 2 5 365 4 364 1.50E-80 308.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035908 6596 308.1 UdeM00000035908 XP_045175505.1 42.8 362
 205 2 2 362 4 364 1.50E-80 308.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035909 6596 352.8 UdeM00000035909 XP_045205546.1 42.6 453
 247 7 1 444 1 449 6.20E-94 352.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035910 6596 320.5 UdeM00000035910 XP_045205546.1 38.5 457
 268 7 1 447 1 454 7.60E-84 320.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035912 45264 90.5 UdeM00000035912 XP_044167563.1 38.2 144
 80 2 8 151 45 179 6.50E-15 90.5 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000035913 6565 201.4 UdeM00000035913 XP_022286573.1 78 118
 26 0 1 118 1 118 6.20E-49 201.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035914 6596 954.5 UdeM00000035914 XP_045175495.1 50.9 1183
 306 12 3 1111 2 983 1.20E-274 954.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035916 6596 495.4 UdeM00000035916 XP_045175088.1 75.5 326
 77 2 1 326 1 323 5.70E-137 495.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035917 6573 382.1 UdeM00000035917 XP_021353400.1 36.8 908
 434 13 41 928 13 800 2.00E-102 382.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035918 6596 417.9 UdeM00000035918 XP_045176491.1 41.6 1017
 437 19 4 887 3 995 3.20E-113 417.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035919 29159 990.7 UdeM00000035919 XP_011438919.2 76 626
149 1 10 634 8 633 8.40E-286 990.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000035921 6565 333.2 UdeM00000035921 XP_022339561.1 59.3 270
104 4 46 315 1308 1571 3.80E-88 333.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000035920 1735272 1557.7 UdeM00000035920 XP_041349029.1
52.3 1609 652 28 11 1551 61 1621 0.00E+00 1557.7
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000035922 6596 1348.2 UdeM00000035922 XP_045175965.1 57.6
1282 465 19 11 1270 64 1288 0.00E+00 1348.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035923 6596 9778.7 UdeM00000035923 XP_045174536.1 53.9
8828 3554 96 6 8413 4493 13222 0.00E+00 9778.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035924 6596 576.2 UdeM00000035924 XP_045174536.1 59 446
172 6 3 445 4059 4496 3.50E-161 576.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035925 6596 1931.4 UdeM00000035925 XP_045174536.1 55.9
1692 692 21 6 1673 2317 3977 0.00E+00 1931.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035926 6596 1750.7 UdeM00000035926 XP_045174536.1 56.8
1541 629 19 13 1525 786 2318 0.00E+00 1750.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035927 6596 794.3 UdeM00000035927 XP_045174536.1 51.8 787
 351 12 6 771 7 786 1.40E-226 794.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035928 6596 158.7 UdeM00000035928 XP_045174780.1 53.9 154
 57 4 158 304 234 380 1.20E-35 158.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035929 6596 164.9 UdeM00000035929 XP_045174780.1 55.3 152
 66 2 198 348 234 384 2.20E-37 164.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035930 37621 151 UdeM00000035930 XP_014673981.1 43.1 202
 75 5 21 185 20 218 1.80E-33 151 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000035931 7668 208.4 UdeM00000035931 XP_003729577.2 47.4 213
 101 3 9 218 712 916 9.90E-51 208.4 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000035932 6596 119.8 UdeM00000035932 XP_045177362.1 37.6 181
 106 1 9 182 242 422 3.80E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000035933 6573 251.1 UdeM00000035933 XP_021364422.1 42 331
 187 3 32 358 53 382 2.10E-63 251.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000035934 6565 60.1 UdeM00000035934 XP_022341905.1 38.3 94
 55 3 1 92 275 367 1.70E-06 60.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000035935 29159 811.2 UdeM00000035935 XP_034306389.1 64 623
 221 3 1 622 1 621 9.00E-232 811.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000035936 6596 1192.6 UdeM00000035936 XP_045174862.1 60.7
 1612 568 13 1 1575 1 1583 0.00E+00 1192.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035937 6596 505.4 UdeM00000035937 XP_045174861.1 59.5 412
160 4 1 408 1 409 1.90E-139 505.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035938 6573 250.8 UdeM00000035938 XP_021353028.1 59 217
88 1 15 231 11 226 1.70E-63 250.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035939 6573 654.4 UdeM00000035939 XP_021353027.1 34.5 1903
933 50 66 1915 77 1718 7.10E-184 654.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035940 6573 211.1 UdeM00000035940 XP_021353027.1 28.1 1548
802 48 2 1497 430 1718 1.80E-50 211.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000035941 6596 151 UdeM00000035941 XP_045176399.1 41.3 300
123 11 1 286 1 261 2.80E-33 151 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000035942 6596 721.5 UdeM00000035942 XP_045176396.1 88.3 412
47 1 1 411 5 416 6.30E-205 721.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021766 6596 62 UdeM00000021766 XP_045207454.1 63 46
17 0 1 46 11 56 1.10E-06 62 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021767 6596 1091.6 UdeM00000021767 XP_045193712.1 46.1
1658 763 41 9 1588 18 1623 0.00E+00 1091.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021768 6596 464.2 UdeM00000021768 XP_045193697.1 75 296
72 2 16 310 237 531 1.40E-127 464.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021769 6596 462.2 UdeM00000021769 XP_045193699.1 75.3 292
 70 2 16 306 237 527 5.20E-127 462.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021770 6412 79.3 UdeM00000021770 XP_009030786.1 65.4 52
 18 0 90 141 24 75 4.30E-127 79.3 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000021771 6596 345.9 UdeM00000021771 XP_045193697.1 66.1 245
 82 1 7 251 5 248 4.90E-927 345.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021772 6596 853.2 UdeM00000021772 XP_045193689.1 70.2 588
 170 3 1 588 1 583 1.90E-244 853.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021774 29159 330.9 UdeM00000021774 XP_011421162.2 43 363
 202 4 8 367 51 411 2.10E-87 330.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021773 29159 343.2 UdeM00000021773 XP_011421162.2 42 400
 225 5 15 409 14 411 4.60E-91 343.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021775 6565 300.8 UdeM00000021775 XP_022343768.1 39.6 381
 214 8 2 372 37 411 2.50E-78 300.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021777 37621 100.1 UdeM00000021777 XP_014673981.1 53.7 95
 37 1 1 88 76 170 1.50E-18 100.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000021778 37621 99 UdeM00000021778 XP_014672570.1 60.3 73
 29 0 3 75 47 119 2.80E-18 99 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus
 UdeM00000021779 37621 121.7 UdeM00000021779 XP_014672571.1 45 169
 82 5 1 160 37 203 9.70E-25 121.7 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapulidae;Priapululus;Priapululus caudatus

UdeM00000021780 6596 266.5 UdeM00000021780 XP_045192373.1 44.6 379
173 9 25 397 16 363 5.50E-68 266.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021781 6596 620.2 UdeM00000021781 XP_045193958.1 71.8 408
112 2 1 408 1 405 1.90E-174 620.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021782 6573 617.1 UdeM00000021782 XP_021364462.1 71 435
118 5 6 439 4 431 1.80E-173 617.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021783 6596 204.1 UdeM00000021783 XP_045193957.1 54.4 355
139 7 1 336 1 351 2.70E-49 204.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021784 6596 307.4 UdeM00000021784 XP_045193953.1 29.1 1113
646 32 1 1034 1 1049 7.20E-80 307.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021785 6573 307 UdeM00000021785 XP_021379227.1 55.1 323
135 3 1 315 1 321 2.80E-80 307 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021787 6596 349.7 UdeM00000021787 XP_045193311.1 62 316
106 7 1 308 1 310 4.80E-93 349.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021788 6596 854.4 UdeM00000021788 XP_045193314.1 68.7 617
191 1 1 617 523 1137 9.20E-245 854.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021789 6596 307.8 UdeM00000021789 XP_045193315.1 45.5 347
182 3 19 363 49 390 2.00E-80 307.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021790 6596 442.2 UdeM00000021790 XP_045193048.1 67.3 300
 98 0 29 328 20 319 5.90E-121 442.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021791 6596 441.8 UdeM00000021791 XP_045193048.1 67.3 300
 98 0 5 304 20 319 7.10E-121 441.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021792 6596 801.6 UdeM00000021792 XP_045192659.1 63.7 678
 206 10 1 652 1 664 7.50E-229 801.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021793 1735272 397.1 UdeM00000021793 XP_041376023.1 63.2
 288 106 0 30 317 3 290 2.10E-107 397.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021794 6579 1159.4 UdeM00000021794 XP_033755534.1 72.3
 834 224 5 2 829 8 840 0.00E+00 1159.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021796 6596 465.3 UdeM00000021796 XP_045193447.1 63.5 460
 133 10 1 438 61 507 8.50E-128 465.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021798 6596 401.4 UdeM00000021798 XP_045193325.1 59.3 504
 177 11 1 490 1 490 1.70E-108 401.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021800 1735272 702.6 UdeM00000021800 XP_041376430.1 57.8
 576 230 4 1 566 66 638 4.10E-199 702.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021801 1735272 88.2 UdeM00000021801 XP_041376294.1 54.9
 91 34 2 1 86 1 89 5.70E-15 88.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021802 6579 384.8 UdeM00000021802 XP_033755211.1 63.2 302
 93 4 1 288 1 298 9.80E-104 384.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021803 6565 411 UdeM00000021803 XP_022344473.1 87.3 229
 22 3 1 225 1 226 9.80E-112 411 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021805 7741 277.3 UdeM00000021805 XP_019619142.1 45.2 389
 180 8 2 368 41 418 2.80E-71 277.3 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000021807 6579 287.3 UdeM00000021807 XP_033739131.1 66.5 200
 66 1 1 200 1171 1369 1.50E-74 287.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021809 6579 217.2 UdeM00000021809 XP_033744239.1 52.1 213
 85 4 1 202 188 394 2.10E-53 217.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021808 6579 326.2 UdeM00000021808 XP_033744239.1 53.1 311
 128 5 140 439 91 394 6.50E-86 326.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021810 6596 792.7 UdeM00000021810 XP_045193115.1 87.8 433
 53 0 1 433 1 433 2.30E-226 792.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021811 6579 636.7 UdeM00000021811 XP_033754129.1 88.4 346
 40 0 5 350 8 353 1.70E-179 636.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021812 6596 422.2 UdeM00000021812 XP_045193459.1 34.1 677
 393 10 19 692 3 629 1.30E-114 422.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021813 6596 421.8 UdeM00000021813 XP_045193459.1 34.1 677
 393 10 12 685 3 629 1.70E-114 421.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021814 6565 201.8 UdeM00000021814 XP_022333543.1 43.9 212
 116 3 2 212 39 248 1.40E-48 201.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021815 6565 201.8 UdeM00000021815 XP_022333543.1 43.9 212
 116 3 2 212 39 248 1.30E-48 201.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021816 7668 89 UdeM00000021816 XP_030838384.1 48.8 82
 41 1 3 84 14 94 4.20E-15 89 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000021817 6565 206.5 UdeM00000021817 XP_022333543.1 40 260
 142 5 2 260 39 285 4.30E-50 206.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021818 6565 157.1 UdeM00000021818 XP_022333543.1 32.8 290
 152 6 2 291 39 285 3.30E-35 157.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021819 6596 61.6 UdeM00000021819 XP_045193459.1 30.4 92
 64 0 13 104 538 629 6.80E-07 61.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021820 6565 206.5 UdeM00000021820 XP_022333543.1 40 260
 142 5 2 260 39 285 4.30E-50 206.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021821 6565 206.5 UdeM00000021821 XP_022333543.1 40 260
 142 5 2 260 39 285 4.30E-50 206.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021822 6596 61.6 UdeM00000021822 XP_045193459.1 30.4 92
 64 0 25 116 538 629 7.60E-07 61.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021823 6565 207.2 UdeM00000021823 XP_022333543.1 38.8 260
 146 4 2 261 39 285 2.50E-50 207.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021824 1735272 391.3 UdeM00000021824 XP_041375753.1 55.4
 363 161 1 126 487 112 474 1.70E-105 391.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021825 6565 860.9 UdeM00000021825 XP_022341406.1 74.4 598
 133 5 1 581 1 595 9.20E-247 860.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000021826 6526 501.5 UdeM00000021826 XP_013085111.1 84.9 304
 46 0 54 357 584 887 8.70E-139 501.5 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000021827 6596 855.5 UdeM00000021827 XP_045193606.1 70.3 600
 175 3 33 629 225 824 4.50E-245 855.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021829 6579 187.2 UdeM00000021829 XP_033753973.1 36.7 428
 194 11 1 418 1 361 4.30E-44 187.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021830 6579 173.3 UdeM00000021830 XP_033763324.1 37.1 283
 161 7 241 515 524 797 1.20E-39 173.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021831 6596 339.7 UdeM00000021831 XP_045162858.1 51.9 345
 155 6 12 353 1376 1712 7.50E-90 339.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021832 50954 474.6 UdeM00000021832 XP_037357174.1 48.1 499
 247 5 8 495 5 502 2.10E-130 474.6 50954 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Eulipotyphla;Talpidae;Talpa;Talpa
 occidentalis
 UdeM00000021833 9913 335.1 UdeM00000021833 XP_002686314.2 37.9 477
 282 4 16 482 10 482 1.70E-88 335.1 9913 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Eutheria
 ;Boreoeutheria;Laurasiatheria;Artiodactyla;Ruminantia;Pecora;Bovidae;Bovi
 nae;Bos;Bos taurus

UdeM00000021834 42526 325.5 UdeM00000021834 XP_036435543.1 38.5 441
 259 1 16 444 13 453 1.40E-85 325.5 42526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Characiformes;Characo
 idei;Serrasalminae;Colossoma;Colossoma macropomum
 UdeM00000021835 6579 525.8 UdeM00000021835 XP_033755794.1 53.9 521
 226 4 5 522 53 562 6.70E-146 525.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021836 29159 102.8 UdeM00000021836 XP_019928506.2 24.4 360
 222 9 27 348 306 653 8.90E-19 102.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021837 2015173 73.2 UdeM00000021837 XP_026826273.1 39.3
 84 51 0 8 91 458 541 2.00E-10 73.2 2015173
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Formicoidea;Formicidae;Dorylinae;Ooceraea;Ooceraea biroi
 UdeM00000021840 400727 88.6 UdeM00000021840 XP_025107703.1 26.1
 364 229 14 22 362 3213 3559 2.30E-14 88.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000021841 7741 157.1 UdeM00000021841 XP_019630579.1 39.4 269
 103 2 1 209 127 395 2.40E-35 157.1 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000021842 6573 294.7 UdeM00000021842 XP_021343443.1 24.4 1545
 915 61 28 1398 60 1525 6.60E-76 294.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021843 6579 109.4 UdeM00000021843 XP_033753982.1 24.9 357
 230 8 25 349 298 648 9.50E-21 109.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021844 7574 134.4 UdeM00000021844 XP_013382434.1 26.4 375
 232 7 3 336 99 470 2.80E-28 134.4 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000021845 7574 131.7 UdeM00000021845 XP_013382434.1 26.5 366
 225 7 1 325 108 470 1.70E-27 131.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000021846 6579 177.6 UdeM00000021846 XP_033753982.1 23.8 924
563 37 80 905 618 1498 7.90E-41 177.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021847 7741 115.5 UdeM00000021847 XP_019630579.1 35.4 277
80 5 14 191 107 383 7.30E-23 115.5 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;
Branchiostoma belcheri

UdeM00000021848 7574 94 UdeM00000021848 XP_013382434.1 25.4 284
171 6 1 244 108 390 2.90E-16 94 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;
Lingulidae;Lingula;Lingula anatina

UdeM00000021849 6579 74.3 UdeM00000021849 XP_033753982.1 25.6 312
183 12 1 273 381 682 4.40E-10 74.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021851 7719 67.4 UdeM00000021851 XP_002125537.4 22.3 394
261 17 12 379 1185 1559 4.90E-08 67.4 7719 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;
Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona intestinalis

UdeM00000021852 6579 325.5 UdeM00000021852 XP_033755145.1 53.8 329
133 5 98 411 108 432 9.90E-86 325.5 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021853 6596 1288.9 UdeM00000021853 XP_045193504.1 68
928 286 4 1 928 1 917 0.00E+00 1288.9 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021854 6596 69.7 UdeM00000021854 XP_045193681.1 48.7 76
35 2 25 99 8 80 2.40E-09 69.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021855 6596 391 UdeM00000021855 XP_045193681.1 42.1 623
284 15 143 698 82 694 3.40E-105 391 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021856 1735272 171 UdeM00000021856 XP_041375704.1 47.7
176 89 3 83 256 83 257 2.00E-39 171 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021857 6596 3040 UdeM00000021857 XP_045195012.1 58.4 2650
872 19 32 2669 200 2630 0.00E+00 3040 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000021858 6573 216.5 UdeM00000021858 XP_021379346.1 36.4 379
228 9 44 417 61 431 6.90E-53 216.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021859 13397 300.8 UdeM00000021859 XP_041034175.1 36 547
323 12 65 608 56 578 4.70E-78 300.8 13397 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi a;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchi i;Selachii;Galeomorphii;Galeoidea;Lamniformes;Alopiidae;Lamninae;Carcharo don;Carcharodon carcharias

UdeM00000021860 6596 342.4 UdeM00000021860 XP_045194418.1 45.3 435
223 6 23 451 24 449 8.70E-91 342.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000021861 1735272 65.1 UdeM00000021861 XP_041353177.1 37.3
83 52 0 1 83 1 83 7.00E-08 65.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021862 1735272 94 UdeM00000021862 XP_041353177.1 43.3
90 51 0 4 93 137 226 2.80E-16 94 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021863 6579 501.9 UdeM00000021863 XP_033729593.1 54.2 498
227 1 466 962 745 1242 1.80E-138 501.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021864 6596 899.4 UdeM00000021864 XP_045193523.1 61.9 846
288 14 1 832 1 826 3.70E-258 899.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000021867 6596 147.5 UdeM00000021867 XP_045193524.1 33 364
175 14 1 306 309 661 3.00E-32 147.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021868 6573 180.3 UdeM00000021868 XP_021360106.1 33 373
 216 11 2 356 264 620 5.00E-42 180.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021869 6596 133.7 UdeM00000021869 XP_045193524.1 34.1 232
 139 7 34 261 759 980 3.50E-28 133.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021870 6596 936.4 UdeM00000021870 XP_045192062.1 53.3 1100
 378 15 158 1252 37 1005 3.80E-269 936.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021871 6596 235.7 UdeM00000021871 XP_045192494.1 72.3 148
 41 0 6 153 430 577 7.40E-59 235.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021872 6596 316.2 UdeM00000021872 XP_045192495.1 38.3 566
 312 10 1 531 29 592 8.30E-83 316.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021873 6596 406 UdeM00000021873 XP_045192494.1 57.4 401
 83 4 1 320 35 428 4.80E-110 406 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021874 6573 186.4 UdeM00000021874 XP_021372212.1 70.4 135
 40 0 6 140 9 143 2.50E-44 186.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021875 6596 541.2 UdeM00000021875 XP_045192502.1 43.4 696
 336 13 614 1297 346 995 3.90E-150 541.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021876 6565 184.1 UdeM00000021876 XP_022299727.1 42.9 233
 110 4 1 211 46 277 2.00E-43 184.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021877 59729 100.5 UdeM00000021877 XP_002199104.1 49.6 121
 57 4 1 117 1 121 2.00E-18 100.5 59729 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Passeriformes;Passeroidea;Estrildidae;Estrildinae;Taeniopygia;Ta
 eniopygia guttata

UdeM00000021878 6596 143.3 UdeM00000021878 XP_045192529.1 54.8 126
 57 0 1 126 175 300 2.40E-31 143.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021879 6596 235 UdeM00000021879 XP_045192957.1 63.6 173
 63 0 5 177 3 175 7.70E-59 235 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021880 6573 148.3 UdeM00000021880 XP_021350183.1 100 76
 0 0 1 76 1 76 4.10E-33 148.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021881 6573 107.1 UdeM00000021881 XP_021340908.1 53.3 92
 39 1 2 89 273 364 1.30E-20 107.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021882 6596 258.1 UdeM00000021882 XP_045193605.1 73.7 167
 43 1 55 220 211 377 1.10E-65 258.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021883 6596 258.1 UdeM00000021883 XP_045193605.1 73.7 167
 43 1 26 191 211 377 9.50E-66 258.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021884 6596 621.7 UdeM00000021884 XP_045193606.1 62.4 476
 178 1 1 475 382 857 7.70E-175 621.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000021885 6596 1009.6 UdeM00000021885 XP_045193609.1 62.8
 806 293 5 36 837 53 855 2.30E-291 1009.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021886 6579 875.5 UdeM00000021886 XP_033754374.1 43.9 1087
 509 14 1 1033 1 1040 7.30E-251 875.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021887 6596 260.8 UdeM00000021887 XP_045193726.1 59 222
 75 3 25 243 30 238 1.90E-66 260.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021888 6596 260.8 UdeM00000021888 XP_045193726.1 59 222
 75 3 18 236 30 238 1.80E-66 260.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021889 6596 1457.2 UdeM00000021889 XP_045193726.1 52.9
 1489 628 19 3 1459 256 1702 0.00E+00 1457.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021890 7741 136.7 UdeM00000021890 XP_019629334.1 53.8 106
 49 0 259 364 82 187 1.00E-28 136.7 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000021891 6596 2533.8 UdeM00000021891 XP_045195034.1 32.7
 5150 2932 90 2 4731 7 5040 0.00E+00 2533.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021892 6596 2606.6 UdeM00000021892 XP_045216810.1 34.1
 4926 2943 88 23 4740 8 4840 0.00E+00 2606.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021893 6573 418.7 UdeM00000021893 XP_021348713.1 55.7 359
 143 3 1 349 1 353 7.30E-114 418.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021894 151771 109.8 UdeM00000021894 XP_028408207.1 38.9
 157 95 1 84 240 138 293 5.00E-21 109.8 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo

corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea
 UdeM00000021895 6596 2573.9 UdeM00000021895 XP_045195034.1 36.9
 4250 2322 63 8 3955 837 5027 0.00E+00 2573.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021897 45264 429.9 UdeM00000021897 XP_044165143.1 53.9 412
 167 5 42 451 35 425 4.10E-117 429.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000021898 45264 172.9 UdeM00000021898 XP_044184031.1 48.7 191
 88 5 1 185 300 486 3.70E-40 172.9 45264 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 millepora
 UdeM00000021899 6596 351.7 UdeM00000021899 XP_045173625.1 58 307
 116 3 2 302 49 348 9.50E-94 351.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021900 6596 334.3 UdeM00000021900 XP_045173625.1 62.9 259
 89 2 21 279 97 348 1.40E-88 334.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021901 6596 2568.5 UdeM00000021901 XP_045195034.1 34.2
 4815 2684 90 107 4569 327 5010 0.00E+00 2568.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021902 6596 424.5 UdeM00000021902 XP_045173625.1 57.2 355
 139 3 1 349 1 348 1.30E-115 424.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021903 6596 285.4 UdeM00000021903 XP_045173625.1 66.5 203
 67 1 2 204 147 348 5.60E-74 285.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021904 6596 2581.2 UdeM00000021904 XP_045195034.1 36.8
 4256 2315 59 8 3953 837 5027 0.00E+00 2581.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021905 6596 97.4 UdeM00000021905 XP_045161190.1 21.2 579
413 15 2 562 216 769 6.00E-17 97.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021906 6596 426.4 UdeM00000021906 XP_045173625.1 56.6 355
141 3 1 349 1 348 3.50E-116 426.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021908 6565 414.8 UdeM00000021908 XP_022343412.1 82.9 257
44 0 386 642 148 404 2.00E-112 414.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021909 6579 199.9 UdeM00000021909 XP_033760563.1 67.4 138
45 0 4 141 2 139 2.20E-48 199.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021910 6596 101.3 UdeM00000021910 XP_045216186.1 42.5 134
68 2 1 125 1189 1322 9.40E-19 101.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021912 1735272 108.6 UdeM00000021912 XP_041370983.1 60.8
79 31 0 6 84 12 90 3.90E-21 108.6 1735272

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021913 225164 87 UdeM00000021913 XP_009064721.1 29.3
150 101 2 25 174 574 718 3.20E-14 87 225164

cellular organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000021914 6596 166.4 UdeM00000021914 XP_045191603.1 64.8 128
33 2 1 127 1 117 2.40E-38 166.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021915 6596 969.5 UdeM00000021915 XP_045193962.1 81.7 584
105 2 1 582 1 584 1.80E-279 969.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021916 6579 572.4 UdeM00000021916 XP_033755591.1 43.4 1058
 460 19 1 956 1 1021 1.10E-159 572.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021917 6596 264.2 UdeM00000021917 XP_045193374.1 74.2 520
 108 6 1 498 1 516 3.30E-67 264.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021918 6596 267.3 UdeM00000021918 XP_045193374.1 71.2 524
 121 6 1 502 1 516 4.00E-68 267.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021919 6596 396.4 UdeM00000021919 XP_045194987.1 74.4 262
 61 3 5 260 46 307 2.90E-107 396.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021920 37653 201.1 UdeM00000021920 XP_014791100.1 88.7 106
 12 0 1 106 57 162 1.40E-48 201.1 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000021921 6596 275.4 UdeM00000021921 XP_045194538.1 76.1 163
 39 0 10 172 17 179 5.00E-71 275.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021922 10224 176 UdeM00000021922 XP_002741671.1 92.6 94
 7 0 1 94 1 94 2.30E-41 176 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000021923 10224 176.4 UdeM00000021923 XP_002741671.1 91.7 96
 8 0 1 96 1 96 1.70E-41 176.4 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000021924 10224 173.7 UdeM00000021924 XP_002741671.1 92.5 93
 7 0 6 98 2 94 1.20E-40 173.7 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii
 UdeM00000021925 6596 541.6 UdeM00000021925 XP_045193587.1 72.1 362
 101 0 88 449 127 488 9.60E-151 541.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021926 6596 496.9 UdeM00000021926 XP_045194563.1 77.6 308
69 0 13 320 2 309 1.90E-137 496.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021927 6596 485.3 UdeM00000021927 XP_045194563.1 75.6 308
75 0 13 320 2 309 5.80E-134 485.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021928 6579 295.8 UdeM00000021928 XP_033754091.1 61.4 228
88 0 15 242 92 319 5.00E-77 295.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021929 6573 298.1 UdeM00000021929 XP_021373529.1 68.3 221
68 1 11 229 7 227 9.40E-78 298.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021930 1735272 405.6 UdeM00000021930 XP_041375392.1 66.8
271 90 0 6 276 333 603 5.10E-110 405.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000021931 6596 266.5 UdeM00000021931 XP_045192705.1 29.8 778
472 23 2 743 11 750 1.00E-67 266.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021932 29159 273.5 UdeM00000021932 XP_011417596.2 65.2 210
64 2 1 202 36 244 2.20E-70 273.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021933 6596 1048.9 UdeM00000021933 XP_045192895.1 56
983 362 15 1 959 1 936 3.90E-303 1048.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021934 29159 77.4 UdeM00000021934 XP_034331441.1 38.7 119
70 2 1 116 883 1001 1.30E-11 77.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021936 29159 164.5 UdeM00000021936 XP_034331441.1 41.9 203
 112 3 1 198 1 202 1.40E-37 164.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021937 6596 411 UdeM00000021937 XP_045192648.1 80.7 259
 47 1 22 277 21 279 1.20E-111 411 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021938 6596 290.4 UdeM00000021938 XP_045192650.1 62.5 216
 80 1 29 243 38 253 2.10E-75 290.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021939 6596 298.9 UdeM00000021939 XP_045192650.1 63.4 216
 79 0 28 243 38 253 5.90E-78 298.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021940 1735272 623.6 UdeM00000021940 XP_041376047.1 56.5
 618 208 10 6 606 7 580 2.60E-175 623.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021941 6596 608.2 UdeM00000021941 XP_045195063.1 43.4 1120
 504 26 8 1095 54 1075 2.00E-170 608.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021942 114398 134 UdeM00000021942 XP_042913023.1 50
 132 66 0 1 132 123 254 1.90E-28 134 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000021942 114398 53.5 UdeM00000021942 XP_042913023.1 51
 51 25 0 134 184 543 593 3.30E-04 53.5 114398
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
 rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
 eatoda tepidariorum
 UdeM00000021944 6573 89.4 UdeM00000021944 XP_021374037.1 74.1 58
 15 0 81 138 26 83 6.10E-15 89.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000021945 1735272 847 UdeM00000021945 XP_041375757.1 69.4
 599 180 2 169 764 168 766 1.80E-242 847 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021947 6596 192.2 UdeM00000021947 XP_045193544.1 37.2 376
 185 10 25 357 47 414 1.10E-45 192.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021948 6596 469.9 UdeM00000021948 XP_045191756.1 36.8 1013
 509 25 12 926 17 996 7.30E-129 469.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021949 6579 573.5 UdeM00000021949 XP_033754941.1 74.8 417
 97 4 1 411 1 415 2.10E-160 573.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021950 29159 621.3 UdeM00000021950 XP_034301220.1 55.7 517
 224 3 10 523 59 573 1.10E-174 621.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000021951 225164 171.8 UdeM00000021951 XP_009062982.1 47.5
 158 79 1 2 155 365 522 7.10E-40 171.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000021952 6596 500 UdeM00000021952 XP_045192150.1 39.6 821
 401 16 13 788 11 781 5.60E-138 500 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021953 400727 264.6 UdeM00000021953 XP_025115362.1 82.3
 158 27 1 1 158 1 157 8.00E-68 264.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000021954 6596 425.2 UdeM00000021954 XP_045192840.1 88.6 229
 26 0 58 286 148 376 6.40E-116 425.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021955 6596 344.7 UdeM00000021955 XP_045192840.1 93.7 174
 11 0 1 174 203 376 6.70E-92 344.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021956 6596 555.8 UdeM00000021956 XP_045192505.1 39.2 817
175 3 5 821 7 501 9.00E-155 555.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021957 6596 454.5 UdeM00000021957 XP_045192506.1 61.6 417
141 9 1 403 1 412 1.50E-124 454.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021958 6579 453.8 UdeM00000021958 XP_033730145.1 60.4 412
136 9 5 398 60 462 2.30E-124 453.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021959 6596 316.2 UdeM00000021959 XP_045193840.1 74.3 210
54 0 1 210 274 483 3.10E-83 316.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021960 6596 414.5 UdeM00000021960 XP_045193840.1 75.7 276
66 1 16 290 12 287 1.30E-112 414.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021961 6565 135.2 UdeM00000021961 XP_022287303.1 34.1 185
97 4 12 172 567 750 8.00E-29 135.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000021962 6596 708.4 UdeM00000021962 XP_045193843.1 73.1 487
130 1 5 491 6 491 6.70E-201 708.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021963 6596 202.6 UdeM00000021963 XP_045193844.1 68.5 146
46 0 42 187 104 249 4.40E-49 202.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021964 225164 305.4 UdeM00000021964 XP_009052992.1 55.6
257 113 1 3 258 2 258 6.80E-80 305.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000021965 6579 283.9 UdeM00000021965 XP_033754383.1 52.9 257
118 3 1 256 91 345 2.40E-73 283.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000021966 6596 193 UdeM00000021966 XP_045193844.1 60.8 176
65 2 14 189 78 249 3.50E-46 193 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021967 225164 305.8 UdeM00000021967 XP_009052992.1 55.9
256 112 1 5 259 4 259 5.20E-80 305.8 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000021970 225164 115.9 UdeM00000021970 XP_009051134.1 32.7
217 127 7 25 238 190 390 7.30E-23 115.9 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000021971 29159 746.9 UdeM00000021971 XP_034338161.1 62.1 673
245 6 1 671 1 665 2.30E-212 746.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021972 6596 159.1 UdeM00000021972 XP_045170977.1 66 103
35 0 4 106 361 463 4.20E-36 159.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000021973 400727 448 UdeM00000021973 XP_025115101.1 71.2
302 85 2 1 301 1 301 9.70E-123 448 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000021975 400727 303.9 UdeM00000021975 XP_025115101.1 75.4
183 45 0 1 183 119 301 1.40E-79 303.9 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000021974 29159 129.4 UdeM00000021974 XP_034307341.1 41.2 136
80 0 11 146 211 346 5.10E-27 129.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000021976 6579 935.6 UdeM00000021976 XP_033755892.1 80 556
 111 0 1 556 1 556 2.80E-269 935.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021977 6596 178.3 UdeM00000021977 XP_045192174.1 58 143
 60 0 2 144 277 419 9.70E-42 178.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021978 6596 179.5 UdeM00000021978 XP_045192176.1 49 198
 94 3 7 200 11 205 5.10E-42 179.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021979 6573 278.9 UdeM00000021979 XP_021349142.1 63.4 186
 68 0 1 186 228 413 4.80E-72 278.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000021980 6579 317.8 UdeM00000021980 XP_033754640.1 59.2 260
 105 1 11 269 12 271 1.40E-83 317.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021981 1735272 152.5 UdeM00000021981 XP_041375571.1 61.9
 126 48 0 8 133 6 131 3.70E-34 152.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000021984 6579 587.8 UdeM00000021984 XP_033755154.1 62.8 487
 161 7 22 504 19 489 1.30E-164 587.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000021985 6596 415.2 UdeM00000021985 XP_045193071.1 54 441
 150 10 3 402 2 430 9.30E-113 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021986 6596 436.4 UdeM00000021986 XP_045193071.1 54.9 441
 160 9 3 416 2 430 4.00E-119 436.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021987 6596 289.7 UdeM00000021987 XP_045194567.1 70.5 200
 58 1 1 199 1 200 3.00E-75 289.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021988 6596 85.9 UdeM00000021988 XP_045166798.1 32.7 153
 91 2 2 147 128 275 5.70E-14 85.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000021989 6596 561.6 UdeM00000021989 XP_045192738.1 75.4 353
 81 2 1 348 8 359 7.20E-157 561.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015786 6596 215.7 UdeM00000015786 XP_045161545.1 63.6 151
 55 0 3 153 369 519 4.10E-53 215.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015787 6596 197.2 UdeM00000015787 XP_045161545.1 62.8 137
 51 0 1 137 383 519 1.40E-47 197.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015791 48498 112.5 UdeM00000015791 XP_020607139.1 35.9 237
 125 7 1 230 1 217 1.20E-21 112.5 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000015790 48498 112.5 UdeM00000015790 XP_020607139.1 35.9 237
 125 7 1 230 1 217 1.40E-21 112.5 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000015792 6573 639.4 UdeM00000015792 XP_021343874.1 30.3 1590
 961 50 4 1512 191 1713 1.20E-179 639.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015796 6573 344.4 UdeM00000015796 XP_021356516.1 38.9 730
 406 7 10 738 20 710 3.70E-91 344.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015797 400727 193 UdeM00000015797 XP_025083423.1 83.6
 110 18 0 24 133 26 135 2.50E-46 193 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000015798 400727 193 UdeM00000015798 XP_025083423.1 83.6
 110 18 0 56 165 26 135 3.10E-46 193 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000015799	6596	377.5	UdeM00000015799	XP_045163391.1	70.4	253
72	2	1	251	1	252	1.30E-101
			377.5	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015800	6579	1226.5	UdeM00000015800	XP_033724626.1	61.8	
997	355	13	5	987	29	1013
						0.00E+00
			1226.5	6579	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015801	6579	1225.3	UdeM00000015801	XP_033724626.1	61.9	
997	357	13	5	990	29	1013
						0.00E+00
			1225.3	6579	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015803	6596	322.8	UdeM00000015803	XP_045162637.1	43	372
204	4	47	413	25	393	6.60E-85
			322.8	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015804	6596	596.7	UdeM00000015804	XP_045162637.1	44.5	686
372	7	1	678	557	1241	3.80E-167
			596.7	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015805	6596	1143.3	UdeM00000015805	XP_045162998.1	64.4	
919	297	8	23	914	46	961
						0.00E+00
			1143.3	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015808	6596	469.2	UdeM00000015808	XP_045161391.1	60.5	435
146	11	1	424	1	420	5.70E-129
			469.2	6596	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015809	6579	74.7	UdeM00000015809	XP_033761099.1	24	208
135	4	211	399	109	312	3.00E-10
			74.7	6579	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015810	7668	74.7	UdeM00000015810	XP_003729577.2	36.8	106
62	2	306	411	655	755	3.10E-10
			74.7	7668	cellular	

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;

Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongylocentrotus purpuratus

UdeM00000015811 6596 760 UdeM00000015811 XP_045161284.1 65.5 580
160 4 1 544 1 576 2.10E-216 760 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015812 2607531 316.6 UdeM00000015812 XP_029633457.1 52.1
288 129 4 2 284 87 370 3.20E-83 316.6 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000015813 6596 221.5 UdeM00000015813 XP_045178436.1 40.4 332
176 5 266 595 7 318 3.00E-54 221.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015814 6596 1164.1 UdeM00000015814 XP_045161470.1 64.5
961 296 10 1 947 54 983 0.00E+00 1164.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015815 225164 97.8 UdeM00000015815 XP_009060134.1 39.2
176 58 2 25 170 24 180 5.10E-17 97.8 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000015817 6579 696 UdeM00000015817 XP_033763339.1 64.9 570
185 9 21 586 257 815 4.00E-197 696 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000015819 6596 473 UdeM00000015819 XP_045163544.1 44.5 569
302 4 7 566 9 572 6.70E-130 473 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000015820 400727 278.1 UdeM00000015820 XP_025083083.1 58.9
248 62 1 1 208 1 248 9.30E-72 278.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000015821 6596 97.4 UdeM00000015821 XP_045163724.1 34 159
97 3 1 158 198 349 1.70E-17 97.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015822 6573 291.2 UdeM00000015822 XP_021370105.1 42.5 346
 188 8 52 394 52 389 2.00E-75 291.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015823 6573 264.2 UdeM00000015823 XP_021361010.1 78.9 190
 40 0 1 190 1 190 1.30E-67 264.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015824 6573 331.6 UdeM00000015824 XP_021372526.1 46.9 407
 203 4 91 484 10 416 1.60E-87 331.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015825 6579 977.6 UdeM00000015825 XP_033763795.1 78.4 616
 133 0 6 621 152 767 7.20E-282 977.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015826 6579 78.2 UdeM00000015826 XP_033761099.1 24.9 213
 137 4 231 424 109 317 2.90E-11 78.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015827 6596 83.6 UdeM00000015827 XP_045162320.1 33 185
 113 6 104 278 72 255 4.40E-13 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015828 6579 1904.4 UdeM00000015828 XP_033763581.1 67.8
 1673 502 11 76 1745 65 1703 0.00E+00 1904.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015829 6579 1904 UdeM00000015829 XP_033763581.1 67.6 1673
 502 11 76 1742 65 1703 0.00E+00 1904 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015830 6596 677.6 UdeM00000015830 XP_045205494.1 44.3 846
 455 9 7 845 31 867 2.20E-191 677.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015831 6573 190.7 UdeM00000015831 XP_021367924.1 47.9 234
 110 6 48 272 14 244 2.60E-45 190.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000015832 6565 137.1 UdeM00000015832 XP_022287645.1 49.3 134
67 1 35 167 494 627 2.20E-29 137.1 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000015833 37621 216.1 UdeM00000015833 XP_014672567.1 52.9 174
82 0 10 183 345 518 4.80E-53 216.1 37621 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapul
idae; Priapulus; Priapulus caudatus
UdeM00000015834 7668 120.2 UdeM00000015834 XP_011671223.1 48.4 124
62 2 8 131 10 131 2.60E-24 120.2 7668 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Echinodermata; Eleutherozoa; Echinozoa; Echinoidea; Euechinoidea; Echinacea; Camarodonta; Echinidea; Strongylocentrotidae; Strongylocentrotus; Strongyloce
ntrotus purpuratus
UdeM00000015835 6596 87 UdeM00000015835 XP_045208667.1 31.5 178
112 5 13 182 146 321 3.10E-14 87 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000015836 6596 1085.5 UdeM00000015836 XP_045162637.1 47.6
1165 585 13 1 1150 87 1240 0.00E+00 1085.5 6596
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000015839 29159 175.3 UdeM00000015839 XP_034312908.1 26.1 651
314 19 5 523 6 621 2.10E-40 175.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000015841 29159 173.7 UdeM00000015841 XP_034312908.1 26 651
315 19 5 523 6 621 6.20E-40 173.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000015843 29159 173.7 UdeM00000015843 XP_034312908.1 26 651
315 19 5 523 6 621 6.20E-40 173.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000015845 29159 173.7 UdeM00000015845 XP_034312908.1 26 651
315 19 5 523 6 621 6.20E-40 173.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000015847 29159 173.7 UdeM00000015847 XP_034312908.1 26 651
315 19 5 523 6 621 6.20E-40 173.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000015849 29159 173.7 UdeM00000015849 XP_034312908.1 26 651
315 19 5 523 6 621 6.20E-40 173.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000015850 6941 513.5 UdeM00000015850 XP_037278662.1 79.4 311
64 0 4 314 2 312 2.00E-142 513.5 6941 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Chelicerata; Arachnida; Acari; Parasitiformes; Ixodida; Ixodoidea; Ixodidae; Rhipicephalinae; Rhipicephalus; Boophilus; Rhipicephalus microplus
UdeM00000015851 6596 277.7 UdeM00000015851 XP_045161187.1 78 186
39 1 1 186 1 184 1.10E-71 277.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000015852 6579 1145.6 UdeM00000015852 XP_033764191.1 53.8
1473 580 16 1 1432 1 1413 0.00E+00 1145.6 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000015853 6565 418.3 UdeM00000015853 XP_022339992.1 41 680
350 14 1 674 1 635 2.00E-113 418.3 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000015854 6596 430.6 UdeM00000015854 XP_045163202.1 88.4 232
27 0 1 232 7 238 1.30E-117 430.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000015855 6579 334.3 UdeM00000015855 XP_033752268.1 36 481
303 5 151 629 52 529 3.30E-88 334.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000015857 1735272 666 UdeM00000015857 XP_041378475.1 61.1
522 188 4 1 511 926 1443 3.80E-188 666 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis
UdeM00000015856 1735272 965.3 UdeM00000015856 XP_041378475.1 46.7
1067 516 11 282 1330 412 1443 8.00E-278 965.3 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltopspiridae; Gigantopelta; Gigantopelta aegis

UdeM00000015858 6573 346.3 UdeM00000015858 XP_021363493.1 45.2 454
 236 9 1 447 1 448 5.90E-92 346.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000015864 6579 469.2 UdeM00000015864 XP_033731191.1 51.5 443
 199 4 9 436 16 457 6.20E-129 469.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015865 6596 75.9 UdeM00000015865 XP_045161499.1 63.6 55
 20 0 10 64 472 526 2.30E-11 75.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015866 6579 617.5 UdeM00000015866 XP_033731191.1 57.9 492
 204 2 9 498 16 506 1.60E-173 617.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015870 6596 643.3 UdeM00000015870 XP_045161431.1 51.6 684
 305 8 1 666 1 676 3.60E-181 643.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015871 6579 869.4 UdeM00000015871 XP_033760558.1 25.2 2409
 1594 30 10 2264 441 2794 1.00E-248 869.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015873 6565 99.4 UdeM00000015873 XP_022296799.1 54.5 88
 40 0 3 90 1214 1301 4.60E-18 99.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000015874 6596 372.1 UdeM00000015874 XP_045198124.1 32.7 648
 433 3 1 646 684 1330 1.50E-99 372.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015875 6579 136 UdeM00000015875 XP_033760558.1 22.2 713
 470 23 418 1072 715 1400 2.90E-28 136 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000015876 6596 377.9 UdeM00000015876 XP_045215193.1 56.2 347
 137 4 1 343 1 336 1.50E-101 377.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000015877 6945 87 UdeM00000015877 XP_040065097.1 31.2 170
 91 4 59 202 85 254 4.50E-14 87 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000015878 7604 303.5 UdeM00000015878 XP_033633146.1 41 390
 212 3 262 633 29 418 1.10E-78 303.5 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asterias;Asterias rubens
 UdeM00000015879 6596 96.7 UdeM00000015879 XP_045202576.1 58.8 85
 34 1 1 84 87 171 2.00E-17 96.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015880 6596 121.3 UdeM00000015880 XP_045206316.1 54.5 101
 45 1 2 101 197 297 7.80E-25 121.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000015882 6596 107.5 UdeM00000015882 XP_045179939.1 44.2 129
 68 3 10 135 252 379 1.40E-20 107.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028704 6573 77.4 UdeM00000028704 XP_021367843.1 46.9 96
 40 2 53 142 441 531 1.70E-11 77.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028705 8175 162.2 UdeM00000028705 XP_030292627.1 50 148
 73 1 9 155 11 158 5.60E-37 162.2 8175 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Spariformes;Sparidae
 ;Sparus;Sparus aurata
 UdeM00000028707 2607531 570.9 UdeM00000028707 XP_029642376.1 52.1
 591 261 9 29 607 27 607 2.00E-159 570.9 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000028708 2607531 287.3 UdeM00000028708 XP_029642376.1 36.1
 529 261 12 1 517 36 499 4.00E-74 287.3 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000028710 6596 245 UdeM00000028710 XP_045177939.1 37.6 372
 209 4 6 370 7 362 1.50E-61 245 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028709 6596 244.6 UdeM00000028709 XP_045177939.1 37.6 372
 209 4 8 372 7 362 2.00E-61 244.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028711 6596 492.3 UdeM00000028711 XP_045177715.1 51.7 484
 214 8 22 493 13 488 7.30E-136 492.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028712 6596 415.2 UdeM00000028712 XP_045181889.1 43.6 488
 265 7 12 495 2 483 1.10E-112 415.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028713 6596 350.9 UdeM00000028713 XP_045181889.1 41.3 443
 236 8 1 439 27 449 2.40E-93 350.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028714 6573 137.9 UdeM00000028714 XP_021346145.1 33.7 246
 148 6 92 332 75 310 2.50E-29 137.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028716 6596 352.1 UdeM00000028716 XP_045181889.1 43.5 423
 228 8 1 419 27 442 1.00E-93 352.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028717 6573 141 UdeM00000028717 XP_021346146.1 31 313
 183 10 19 313 14 311 2.80E-30 141 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028718 6573 77 UdeM00000028718 XP_021346145.1 30.8 172
 98 5 20 176 14 179 2.60E-11 77 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000028719 6596 139 UdeM00000028719 XP_045211120.1 32.2 283
 152 4 22 301 46 291 9.70E-30 139 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028720 6596 141.4 UdeM00000028720 XP_045211120.1 35 257
157 5 45 301 44 290 2.00E-30 141.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028721 6596 152.1 UdeM00000028721 XP_045211120.1 33.7 306
170 8 4 298 8 291 1.10E-33 152.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028722 6596 120.6 UdeM00000028722 XP_045182702.1 46.8 111
58 1 110 220 44 153 2.60E-24 120.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028725 6596 118.6 UdeM00000028725 XP_045205911.1 43.1 116
61 1 5 120 529 639 6.00E-24 118.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028724 6596 117.9 UdeM00000028724 XP_045205911.1 43.1 116
61 1 5 120 529 639 1.30E-23 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028726 6596 127.1 UdeM00000028726 XP_045183007.1 47.9 119
61 1 12 130 142 259 1.70E-26 127.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028727 6596 519.2 UdeM00000028727 XP_045191224.1 86.6 292
38 1 2 293 4 294 4.10E-144 519.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000028729 29159 314.7 UdeM00000028729 XP_011422410.1 85.2 182
27 0 1 182 93 274 7.80E-83 314.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000028728 29159 464.5 UdeM00000028728 XP_011422410.1 82.1 274
49 0 1 274 1 274 9.10E-128 464.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000028730 6596 307 UdeM00000028730 XP_045204534.1 35.1 504
295 7 21 502 6 499 4.60E-80 307 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028731 6565 190.7 UdeM00000028731 XP_022320997.1 40.4 235
131 3 50 280 573 802 2.70E-45 190.7 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000028732 6596 185.7 UdeM00000028732 XP_045191293.1 31.6 399
241 7 29 399 58 452 1.20E-43 185.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028733 6579 614 UdeM00000028733 XP_033732385.1 52.3 516
235 4 6 514 5 516 1.90E-172 614 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028734 6596 78.2 UdeM00000028734 XP_045206250.1 46.4 69
37 0 2 70 1 69 5.10E-12 78.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028735 6596 71.6 UdeM00000028735 XP_045206250.1 37.2 94
48 3 20 113 551 633 1.10E-09 71.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028736 6596 103.6 UdeM00000028736 XP_045208367.1 74.6 67
17 0 1 67 1 67 1.00E-19 103.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000028737 7906 105.1 UdeM00000028737 XP_034763505.1 56.2 96
42 0 1 96 1 96 9.30E-20 105.1 7906 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipen
seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus
UdeM00000028738 7574 129.8 UdeM00000028738 XP_013401097.1 46.2 158
84 1 6 163 544 700 3.30E-27 129.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000028746 6579 173.3 UdeM00000028746 XP_033726291.1 48.9 174
 65 2 1 150 1 174 2.30E-40 173.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028747 6596 58.9 UdeM00000028747 XP_045173453.1 31.9 69
 47 0 33 101 51 119 4.90E-06 58.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028748 6596 153.7 UdeM00000028748 XP_045183440.1 47.9 188
 87 5 1 182 198 380 4.00E-34 153.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028749 6596 124.4 UdeM00000028749 XP_045202346.1 39 159
 95 1 6 164 16 172 1.50E-25 124.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028750 1735272 129.4 UdeM00000028750 XP_041360711.1 34.2
 199 118 3 2 198 3 190 5.60E-27 129.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028751 6565 75.5 UdeM00000028751 XP_022337267.1 51.5 66
 31 1 1 65 501 566 3.10E-11 75.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028752 29159 104.8 UdeM00000028752 XP_034312519.1 64.3 84
 30 0 2 85 228 311 8.50E-20 104.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028753 6596 288.1 UdeM00000028753 XP_045188817.1 37.1 544
 269 14 5 536 78 560 2.30E-74 288.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028754 6596 191 UdeM00000028754 XP_045208507.1 70.2 124
 36 1 69 191 12 135 1.40E-45 191 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028755 6596 205.7 UdeM00000028755 XP_045208499.1 65.5 142
 49 0 2 143 152 293 4.20E-50 205.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028756 6596 448 UdeM00000028756 XP_045208507.1 67.2 317
73 2 80 395 12 298 1.30E-122 448 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028757 6596 210.3 UdeM00000028757 XP_045181714.1 26.3 673
444 19 12 668 8 644 7.70E-51 210.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028758 6573 587 UdeM00000028758 XP_021358219.1 79.5 352
70 2 121 470 16 367 2.10E-164 587 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000028759 46514 206.1 UdeM00000028759 XP_038075930.1 33.4 401
234 9 132 513 20 406 1.20E-49 206.1 46514 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; Asterinidae; Patiria; Patiria miniata

UdeM00000028760 46514 97.4 UdeM00000028760 XP_038075930.1 24.3 371
219 10 50 367 445 806 4.30E-17 97.4 46514 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; Asterinidae; Patiria; Patiria miniata

UdeM00000028762 29159 171 UdeM00000028762 XP_011452928.2 29.4 412
268 7 51 441 22 431 3.40E-39 171 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000028763 29159 132.1 UdeM00000028763 XP_034300243.1 50 146
72 1 11 155 10 155 7.10E-28 132.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000028764 29159 342.4 UdeM00000028764 XP_034300244.1 47.7 388
202 1 9 395 152 539 7.60E-91 342.4 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000028765 6579 554.7 UdeM00000028765 XP_033753228.1 54.4 443
202 0 9 451 6 448 1.10E-154 554.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000028766 6579 517.7 UdeM00000028766 XP_033753228.1 52.8 441
186 1 9 427 6 446 1.40E-143 517.7 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000028767 6579 417.5 UdeM00000028767 XP_033753228.1 45.6 439
165 2 5 369 6 444 1.70E-113 417.5 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000028768 6596 334.3 UdeM00000028768 XP_045198297.1 39.8 731
318 19 1 715 29 653 3.80E-88 334.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028769 6596 343.2 UdeM00000028769 XP_045198297.1 41 709
318 19 1 693 29 653 7.90E-91 343.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028770 6596 325.9 UdeM00000028770 XP_045198297.1 38.6 753
318 19 1 737 29 653 1.40E-85 325.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028771 6596 114 UdeM00000028771 XP_045201245.1 49.2 124
59 3 1 124 1 120 1.60E-22 114 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028772 6596 321.6 UdeM00000028772 XP_045201245.1 48 358
155 4 3 333 123 476 2.50E-84 321.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028774 1735272 1273.1 UdeM00000028774 XP_041369336.1
71.9 840 231 3 1 836 1 839 0.00E+00 1273.1
1735272 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000028775 6579 276.9 UdeM00000028775 XP_033764184.1 76.7 172
40 0 1 172 3 174 1.70E-71 276.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000028776 6596 653.7 UdeM00000028776 XP_045214758.1 39.4 1237
463 30 43 1197 124 1155 4.60E-184 653.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000028777 6596 1046.6 UdeM00000028777 XP_045158028.1 37.7
 1691 943 32 223 1851 133 1775 4.00E-302 1046.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028779 6596 176 UdeM00000028779 XP_045203537.1 39.6 268
 142 7 1 265 1 251 6.40E-41 176 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000028780 6565 761.9 UdeM00000028780 XP_022325998.1 99.7 376
 1 0 1 376 1 376 3.80E-217 761.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028781 1735272 60.5 UdeM00000028781 XP_041356467.1 27
 152 95 8 16 161 120 261 2.30E-06 60.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000028782 6579 287 UdeM00000028782 XP_033759215.1 38.4 404
 243 2 25 425 66 466 4.10E-74 287 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028783 6579 265 UdeM00000028783 XP_033759215.1 36.4 404
 229 4 74 468 80 464 1.80E-67 265 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000028784 29159 385.6 UdeM00000028784 XP_011433241.1 45 538
 234 11 7 534 18 503 1.00E-103 385.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028785 29159 203 UdeM00000028785 XP_011413207.2 84.7 118
 18 0 105 222 29 146 6.40E-49 203 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000028786 6565 133.7 UdeM00000028786 XP_022299727.1 50.7 134
 65 1 29 162 145 277 2.50E-28 133.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000028787 1735272 240.4 UdeM00000028787 XP_041369814.1 51.7
 259 106 6 179 425 268 519 4.30E-60 240.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000028788 6579 717.6 UdeM00000028788 XP_033761397.1 40.1 1265
575 34 5 1175 962 2137 2.60E-203 717.6 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028789 6579 506.1 UdeM00000028789 XP_033732796.1 37.6 755
412 8 16 737 123 851 7.30E-140 506.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000028790 6573 610.1 UdeM00000028790 XP_021357404.1 55.1 615
239 7 28 620 161 760 3.50E-171 610.1 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000004503 29159 156.4 UdeM00000004503 XP_034317562.1 33.3 243
152 8 3 238 1526 1765 7.70E-35 156.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000004505 6565 104 UdeM00000004505 XP_022323822.1 27.7 271
176 10 6 268 1008 1266 4.60E-19 104 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000004507 6596 110.5 UdeM00000004507 XP_045191674.1 24.6 268
172 10 16 279 1574 1815 5.20E-21 110.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004511 37621 87.8 UdeM00000004511 XP_014676916.1 30.4 257
127 6 63 279 7 251 2.40E-14 87.8 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapulul;Priapulul caudatus
UdeM00000004512 1735272 89 UdeM00000004512 XP_041364761.1 50.7
71 35 0 1 71 87 157 7.10E-15 89 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000004513 6565 90.5 UdeM00000004513 XP_022288855.1 41.7 108
59 4 28 133 983 1088 4.50E-15 90.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000004514 6565 119.8 UdeM00000004514 XP_022325431.1 31.2 231
141 10 3 231 1060 1274 8.50E-24 119.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004516 6565 112.5 UdeM00000004516 XP_022325431.1 29.4 214
 136 7 17 230 1134 1332 1.00E-21 112.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004517 6565 130.6 UdeM00000004517 XP_022322604.1 29.2 260
 162 8 20 278 531 769 4.70E-27 130.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004519 6596 396 UdeM00000004519 XP_045166809.1 59.9 302
 115 4 48 347 16 313 5.20E-107 396 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004520 10228 81.6 UdeM00000004520 XP_002118408.1 33.8 136
 83 3 33 165 4 135 1.10E-12 81.6 10228 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
 e;Trichoplax;Trichoplax adhaerens
 UdeM00000004521 6596 64.3 UdeM00000004521 XP_045187052.1 64.7 51
 17 1 3 53 217 266 1.20E-07 64.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004522 6596 119.8 UdeM00000004522 XP_045202346.1 38.1 160
 95 2 6 164 16 172 3.30E-24 119.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004523 225164 170.2 UdeM00000004523 XP_009059846.1 62.4
 117 44 0 1 117 161 277 1.60E-39 170.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000004524 6596 350.1 UdeM00000004524 XP_045157577.1 56.1 278
 121 1 1 278 1 277 2.60E-93 350.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004526 6579 3387.8 UdeM00000004526 XP_033744412.1 68.7
 2621 730 26 18 2578 121 2711 0.00E+00 3387.8 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004527 37653 63.2 UdeM00000004527 XP_014769150.1 28.2 213
 139 6 156 357 162 371 1.40E-06 63.2 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000004528 1735272 1104 UdeM00000004528 XP_041349903.1 58.6
997 336 10 1 991 1 926 0.00E+00 1104 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004529 6573 1103.6 UdeM00000004529 XP_021342964.1 55.2
1007 396 9 1 986 1 973 0.00E+00 1103.6 6573
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004530 1735272 767.3 UdeM00000004530 XP_041349903.1 56.7
676 238 5 19 640 68 742 1.60E-218 767.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004531 6850 240.7 UdeM00000004531 XP_022254015.1 66.2 160
54 0 5 164 640 799 1.30E-60 240.7 6850 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Merostomata;Xiphosura;Limulidae;Limulus;Limulus polyphemus

UdeM00000004534 45264 77.4 UdeM00000004534 XP_044164573.1 39 123
65 3 334 454 31 145 5.20E-11 77.4 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000004537 1735272 102.4 UdeM00000004537 XP_041372995.1 35.3
221 116 11 70 270 1196 1409 1.40E-18 102.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004539 2607531 315.8 UdeM00000004539 XP_029647338.1 62.6
238 83 1 1 238 1 232 4.90E-83 315.8 2607531
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000004538 36176 287.7 UdeM00000004538 XP_043563605.1 55.4 240
102 1 1 240 1 235 1.40E-74 287.7 36176 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Hemiscylliidae;Chiloscyllium;Chiloscyllium plagiosum

UdeM00000004540 40690 129 UdeM00000004540 XP_034002245.1 40.4 166
95 1 111 272 62 227 9.50E-27 129 40690 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000004541	40690	129		UdeM00000004541	XP_034002245.1	40.4	166
95	1	132	293	62	227	1.00E-26	129 40690 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Notothenioidei;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000004542	134920			64.7	UdeM00000004542	XP_037326711.1	50
56	26	1	1	56	22	75	6.20E-08 64.7 134920 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Eupercaria;Perciformes;Cottioid ei;Gasterosteales;Gasterosteidae;Pungitius;Pungitius pungitius

UdeM00000004543	6579	183.3		UdeM00000004543	XP_033745068.1	24.8	669
431	20	13	647	26	656	9.70E-43	183.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004544	46514	147.1		UdeM00000004544	XP_038062328.1	34.5	258
143	3	22	265	131	376	3.10E-32	147.1 46514 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Asterinidae;Patiria;Patiria miniata

UdeM00000004545	45264	335.9		UdeM00000004545	XP_044182736.1	38.7	499
265	8	2	479	385	863	8.50E-89	335.9 45264 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000004546	6579	250.8		UdeM00000004546	XP_033739209.1	50	258
113	2	9	261	2	248	2.00E-63	250.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004548	6596	201.4		UdeM00000004548	XP_045172484.1	23.2	654
471	12	14	647	78	720	3.40E-48	201.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004549	6579	184.5		UdeM00000004549	XP_033745068.1	24.1	659
450	19	13	648	26	657	4.40E-43	184.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004550	6565	81.6		UdeM00000004550	XP_022345462.1	29.9	167
96	4	11	160	2	164	2.20E-12	81.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004551 310915 107.1 UdeM00000004551 XP_026776737.1 39.9
158 84 2 3 160 31 177 3.50E-20 107.1 310915

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
ei;Pangasiidae;Pangasianodon;Pangasianodon hypophthalmus

UdeM00000004552 310915 107.8 UdeM00000004552 XP_026776737.1 39.8
166 88 3 4 169 24 177 2.10E-20 107.8 310915

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
ei;Pangasiidae;Pangasianodon;Pangasianodon hypophthalmus

UdeM00000004553 7897 108.6 UdeM00000004553 XP_005986052.1 29.3 287
166 9 3 265 23 296 1.20E-20 108.6 7897 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
opterygii;Coelacanthimorpha;Coelacanthiformes;Coelacanthidae;Latimeria;La
timeria chalumnae

UdeM00000004554 6596 106.7 UdeM00000004554 XP_045173873.1 38 192
104 4 2 183 19 205 4.50E-20 106.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004555 6596 220.3 UdeM00000004555 XP_045172484.1 24.2 687
466 15 3 663 66 723 7.20E-54 220.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004556 6105 85.1 UdeM00000004556 XP_031575325.1 35.2 142
84 3 14 151 36 173 1.90E-13 85.1 6105 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa

UdeM00000004557 1735272 78.2 UdeM00000004557 XP_041378104.1 41.7
96 56 0 16 111 16 111 7.70E-12 78.2 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004558 310915 86.3 UdeM00000004558 XP_026776737.1 35.3
139 79 2 7 145 58 185 5.90E-14 86.3 310915

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
ei;Pangasiidae;Pangasianodon;Pangasianodon hypophthalmus

UdeM00000004559 8023 109.4 UdeM00000004559 XP_029489464.1 36 178
 99 3 1 178 21 183 7.20E-21 109.4 8023 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostei;Protacanthopterygii;Salmoniformes;Salmonidae;Salm
 oninae;Oncorhynchus;Oncorhynchus nerka
 UdeM00000004560 6573 184.5 UdeM00000004560 XP_021347516.1 25.8 674
 451 16 9 660 22 668 4.40E-43 184.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004561 6565 73.2 UdeM00000004561 XP_022287353.1 28.8 153
 98 3 52 201 121 265 8.60E-10 73.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004562 6565 72.8 UdeM00000004562 XP_022287353.1 28.8 153
 98 3 75 224 121 265 1.20E-09 72.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004566 7604 96.7 UdeM00000004566 XP_033633146.1 61.5 65
 24 1 2 65 128 192 1.30E-17 96.7 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asterozoa;Asterozoa;Forcipulatacea;Forcipul
 atida;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa;Asterozoa
 UdeM00000004567 7668 163.7 UdeM00000004567 XP_030841063.1 47.5 183
 96 0 1 183 291 473 2.30E-37 163.7 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinozoa;Echinozoa;Echinozoa;Echinozoa
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus
 UdeM00000004568 29159 206.1 UdeM00000004568 XP_011449844.1 23.7 696
 466 19 6 657 9 683 1.40E-49 206.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004569 6565 81.3 UdeM00000004569 XP_022345462.1 29.9 167
 96 4 17 166 2 164 2.60E-12 81.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004570 29159 77.8 UdeM00000004570 XP_011456334.2 37.4 123
 74 2 15 134 19 141 1.50E-11 77.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004571 310915 84.3 UdeM00000004571 XP_026776737.1 36.6
 131 72 2 11 141 66 185 2.20E-13 84.3 310915
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce

phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Pangasiidae;Pangasianodon;Pangasianodon hypophthalmus
 UdeM00000004572 6596 107.1 UdeM00000004572 XP_045173873.1 38 192
 104 4 2 183 19 205 3.40E-20 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004573 6596 221.9 UdeM00000004573 XP_045172484.1 24.2 687
 466 15 3 663 66 723 2.50E-54 221.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004574 1735272 424.5 UdeM00000004574 XP_041347204.1 48.7
 425 215 3 52 473 90 514 1.80E-115 424.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004575 1735272 221.9 UdeM00000004575 XP_041346684.1 30.6
 468 305 12 108 564 25 483 2.40E-54 221.9 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004576 1735272 307.4 UdeM00000004576 XP_041346684.1 30.4
 661 419 16 108 738 25 674 5.10E-80 307.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004577 1735272 424.5 UdeM00000004577 XP_041347204.1 48.7
 425 215 3 52 473 90 514 1.80E-115 424.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004578 310915 81.3 UdeM00000004578 XP_026776737.1 37.1
 132 71 3 15 145 65 185 1.90E-12 81.3 310915
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Characiphysae;Siluriformes;Siluroid
 ei;Pangasiidae;Pangasianodon;Pangasianodon hypophthalmus
 UdeM00000004579 8208 110.9 UdeM00000004579 XP_010782164.1 39.4 165
 85 3 3 167 31 180 2.40E-21 110.9 8208 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Nototheniidae;Notothenia;Notothenia coriiceps

UdeM00000004580 8208 103.2 UdeM00000004580 XP_010782164.1 38.1 155
 81 3 1 155 41 180 4.70E-19 103.2 8208 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleostomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
 ioidei;Nototheniidae;Notothenia;Notothenia coriiceps
 UdeM00000004581 6596 113.6 UdeM00000004581 XP_045183615.1 27.7 328
 208 8 37 342 250 570 5.00E-22 113.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004582 6596 130.6 UdeM00000004582 XP_045180001.1 34 206
 129 3 8 207 9 213 3.10E-27 130.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004583 6565 73.6 UdeM00000004583 XP_022345462.1 31.2 170
 92 4 606 756 1 164 1.50E-09 73.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004584 6596 331.3 UdeM00000004584 XP_045165913.1 67.4 230
 67 1 1 230 6 227 1.00E-87 331.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004585 6596 299.7 UdeM00000004585 XP_045165847.1 43.2 336
 187 2 61 392 150 485 5.60E-78 299.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004586 6596 1617.8 UdeM00000004586 XP_045166838.1 75.9
 1050 247 3 35 1083 1 1045 0.00E+00 1617.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004587 48498 105.1 UdeM00000004587 XP_020602264.1 29.2 260
 163 6 280 533 5 249 3.20E-19 105.1 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000004588 1735272 76.3 UdeM00000004588 XP_041374024.1 25.5
 235 153 7 15 233 575 803 1.10E-10 76.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004589 6500 120.6 UdeM00000004589 XP_005097873.1 44.5 146
 78 2 6 150 3 146 1.80E-24 120.6 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000004590 1735272 87.4 UdeM00000004590 XP_041350556.1 34
 150 96 1 1 150 6 152 1.90E-14 87.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004591 29159 113.2 UdeM00000004591 XP_034307319.1 45.3 128
 66 2 20 145 23 148 2.80E-22 113.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004592 4155 147.1 UdeM00000004592 XP_012833272.1 44.4 180
 99 1 2 180 136 315 2.20E-32 147.1 4155 cellular
 organisms;Eukaryota;Viridiplantae;Streptophyta;Streptophytina;Embryophyta
 ;Tracheophyta;Euphylllophyta;Spermatophyta;Magnoliopsida;Mesangiospermae;e
 udicotyledons;Gunneridae;Pentapetalae;asterids;lamiids;Lamiales;Phrymacea
 e;Erythranthe;Erythranthe guttata
 UdeM00000004593 6596 142.5 UdeM00000004593 XP_045165138.1 32 278
 172 5 162 438 229 490 3.50E-30 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004594 6596 142.5 UdeM00000004594 XP_045165138.1 32 278
 172 5 162 438 229 490 3.50E-30 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004595 6596 471.5 UdeM00000004595 XP_045165127.1 61.1 391
 150 2 1 389 1 391 1.10E-129 471.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004596 6596 262.3 UdeM00000004596 XP_045165127.1 39.7 433
 168 8 1 427 1 346 1.10E-66 262.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004597 6596 278.9 UdeM00000004597 XP_045165127.1 46.3 363
 171 8 1 356 1 346 1.00E-71 278.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004598 1735272 576.2 UdeM00000004598 XP_041350404.1 62.8
 438 160 1 17 454 36 470 3.60E-161 576.2 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004600 1735272 91.3 UdeM00000004600 XP_041348569.1 87.8
49 6 0 12 60 14 62 4.80E-16 91.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004599 1735272 136 UdeM00000004599 XP_041348569.1 81.5
81 14 1 12 91 14 94 2.50E-29 136 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004601 6596 625.9 UdeM00000004601 XP_045164289.1 82.8 367
60 1 1 367 16 379 3.20E-176 625.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004602 6596 449.1 UdeM00000004602 XP_045164891.1 35.7 1311
575 37 1 1078 1 1276 1.60E-122 449.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004603 1735272 318.9 UdeM00000004603 XP_041347843.1 72.1
197 55 0 7 203 7 203 5.00E-84 318.9 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004604 1735272 258.5 UdeM00000004604 XP_041347843.1 74.7
150 38 0 1 150 208 357 5.40E-66 258.5 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004609 6573 278.9 UdeM00000004609 XP_021350960.1 77.3 220
49 1 8 227 2 220 5.90E-72 278.9 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004610 29159 1144.4 UdeM00000004610 XP_034304784.1 74.9
777 188 4 5 775 9 784 0.00E+00 1144.4

29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004611 6596 451.8 UdeM00000004611 XP_045164658.1 64.6 370
123 6 15 381 17 381 8.50E-124 451.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004612 6573 838.6 UdeM00000004612 XP_021343974.1 68.6 611
180 6 1 607 819 1421 5.50E-240 838.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004613 6579 112.5 UdeM00000004613 XP_033745996.1 39.9 258
119 11 1 233 1 247 7.50E-22 112.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004614 6596 456.4 UdeM00000004614 XP_045164653.1 80.6 273
53 0 24 296 1249 1521 2.70E-125 456.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004615 6596 820.1 UdeM00000004615 XP_045164292.1 58.9 667
259 4 16 676 21 678 2.10E-234 820.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004616 6596 530.8 UdeM00000004616 XP_045173621.1 66.3 377
127 0 2 378 8 384 1.50E-147 530.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004617 6579 556.6 UdeM00000004617 XP_033746357.1 70.4 371
110 0 86 456 121 491 2.90E-155 556.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004618 133434 144.4 UdeM00000004618 XP_022094551.1 74.7
91 23 0 1 91 69 159 7.10E-32 144.4 133434

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000004619 133434 162.5 UdeM00000004619 XP_022094551.1 72.6
106 29 0 14 119 54 159 3.30E-37 162.5 133434

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000004620 10228 60.1 UdeM00000004620 XP_002118407.1 36 100
55 2 33 131 508 599 2.50E-06 60.1 10228 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacidae;Trichoplax;Trichoplax adhaerens

UdeM00000004621 6596 516.5 UdeM00000004621 XP_045166431.1 55.2 444
199 0 8 451 15 458 3.30E-143 516.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004622 6596 274.2 UdeM00000004622 XP_045166804.1 39.5 352
210 3 49 397 51 402 2.50E-70 274.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004623 6596 184.5 UdeM00000004623 XP_045202545.1 49 202
77 5 10 186 10 210 1.20E-43 184.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004624 29159 177.6 UdeM00000004624 XP_011443561.2 58.2 134
55 1 32 164 48 181 1.30E-41 177.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004625 6596 642.5 UdeM00000004625 XP_045188256.1 52 635
266 9 1 627 1 604 6.70E-181 642.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004626 6596 189.1 UdeM00000004626 XP_045165117.1 37.3 330
168 7 3 301 2 323 8.60E-45 189.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004627 6596 280.4 UdeM00000004627 XP_045166649.1 87.8 147
18 0 1 147 25 171 1.30E-72 280.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004630 6579 599 UdeM00000004630 XP_033744709.1 67.4 783
204 12 195 936 175 947 1.10E-167 599 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004631 6579 600.5 UdeM00000004631 XP_033744709.1 67.5 781
206 11 195 935 175 947 3.60E-168 600.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004632 6579 787.3 UdeM00000004632 XP_033746548.1 56.6 693
279 3 1 693 43 713 1.60E-224 787.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004636 29159 282.7 UdeM00000004636 XP_011447851.2 35 457
 278 9 1 447 1381 1828 8.00E-73 282.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004637 29159 776.5 UdeM00000004637 XP_011447851.2 36.1 1381
 815 28 32 1388 34 1371 5.50E-221 776.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004639 8040 110.9 UdeM00000004639 XP_038848786.1 35.4 192
 124 0 11 202 3 194 1.90E-21 110.9 8040 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Protacanthopterygii;Salmoniformes;Salmonidae;Salm
 oninae;Salvelinus;Salvelinus namaycush
 UdeM00000004640 6596 82.8 UdeM00000004640 XP_045166644.1 30.1 219
 134 5 2 209 16 226 6.90E-13 82.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004641 6596 70.1 UdeM00000004641 XP_045166644.1 29.9 224
 117 7 2 198 16 226 4.50E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004642 6596 314.3 UdeM00000004642 XP_045199140.1 53.5 301
 122 5 10 299 12 305 1.70E-82 314.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004643 6596 575.9 UdeM00000004643 XP_045164804.1 77.1 406
 86 2 1 405 1 400 4.10E-161 575.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004644 29159 451.8 UdeM00000004644 XP_034305255.1 74.2 314
 73 3 1 313 1172 1478 7.00E-124 451.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004645 6579 1604.3 UdeM00000004645 XP_033746517.1 58.6
 1489 543 28 41 1486 495 1953 0.00E+00 1604.3 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004646 1735272 394.4 UdeM00000004646 XP_041349998.1 50.5
 400 191 5 23 416 44 442 1.80E-106 394.4 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004648 225164 190.3 UdeM00000004648 XP_009064967.1 34.9
352 193 9 1 325 1 343 4.60E-45 190.3 225164

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
Lottiidae;Lottia;Lottia gigantea

UdeM00000004649 6573 209.1 UdeM00000004649 XP_021347638.1 40.6 244
143 2 18 259 353 596 9.40E-51 209.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004650 6596 1016.5 UdeM00000004650 XP_045167310.1 58.4
867 351 5 26 886 716 1578 2.00E-293 1016.5 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004651 7741 632.5 UdeM00000004651 XP_019618826.1 58 526
220 1 20 544 5 530 7.60E-178 632.5 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri

UdeM00000004652 6596 463.8 UdeM00000004652 XP_045165611.1 44.4 620
315 13 35 642 24 625 5.10E-127 463.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004653 6596 659.1 UdeM00000004653 XP_045164791.1 51.2 648
303 5 86 724 23 666 6.70E-186 659.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004654 1735272 465.3 UdeM00000004654 XP_041347609.1 56.7
381 160 4 76 455 102 478 8.90E-128 465.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004655 6573 609.8 UdeM00000004655 XP_021362530.1 72.3 505
135 5 314 814 4 507 5.20E-171 609.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004656 6596 2327.4 UdeM00000004656 XP_045165217.1 73.5
1680 407 19 1 1659 1 1663 0.00E+00 2327.4 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004657 6596 439.1 UdeM00000004657 XP_045167157.1 38.4 700
381 11 10 677 3508 4189 1.10E-119 439.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004661 6596 82 UdeM00000004661 XP_045167157.1 31.3 201
105 6 31 216 4139 4321 1.00E-12 82 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004662 400727 1892.1 UdeM00000004662 XP_025107755.1
40.8 3264 1829 49 48 3261 335 3544 0.00E+00 1892.1
400727 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000004663 1735272 131.7 UdeM00000004663 XP_041346687.1 72.9
96 26 0 1 96 9 104 4.90E-28 131.7 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004664 1735272 138.3 UdeM00000004664 XP_041346687.1 71.6
102 29 0 2 103 3 104 5.70E-30 138.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004665 1735272 299.3 UdeM00000004665 XP_041348533.1 57.1
254 109 0 7 260 3 256 5.00E-78 299.3 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004666 6596 798.9 UdeM00000004666 XP_045166392.1 50.6 923
409 13 12 928 13 894 6.90E-228 798.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004667 6596 1444.9 UdeM00000004667 XP_045165771.1 47.8
2342 965 50 29 2200 80 2334 0.00E+00 1444.9 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004668 6596 103.2 UdeM00000004668 XP_045165771.1 63.8 80
28 1 1 80 1 79 2.20E-19 103.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004669 6573 147.1 UdeM00000004669 XP_021342346.1 34.4 250
127 4 3 216 610 858 2.50E-32 147.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004670 6596 72 UdeM00000004670 XP_045164598.1 39.9 376
193 7 1 370 967 1315 1.80E-09 72 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004672 6573 270.8 UdeM00000004672 XP_021371007.1 40.6 461
237 12 10 450 12 455 3.40E-69 270.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004671 6573 270.8 UdeM00000004671 XP_021371007.1 40.6 461
237 12 15 455 12 455 3.40E-69 270.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004673 6579 183 UdeM00000004673 XP_033744963.1 66.9 127
42 0 14 140 10 136 2.70E-43 183 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004674 37653 236.1 UdeM00000004674 XP_014775660.1 60.8 186
72 1 5 189 5 190 3.70E-59 236.1 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000004675 6596 661.4 UdeM00000004675 XP_045164228.1 56.7 616
235 11 1 591 58 666 1.10E-186 661.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004676 6579 691.4 UdeM00000004676 XP_033744960.1 69.3 514
141 6 9 511 167 674 8.70E-196 691.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004677 6579 188 UdeM00000004677 XP_033744960.1 62.4 165
55 4 4 166 515 674 1.00E-44 188 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004678 29159 543.9 UdeM00000004678 XP_011416243.2 45.5 573
308 2 9 581 15 583 2.60E-151 543.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000004679 6565 585.9 UdeM00000004679 XP_022302804.1 48.6 570
289 2 8 577 14 579 6.00E-164 585.9 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000004681 46514 87.8 UdeM00000004681 XP_038045989.1 49.3 69
35 0 281 349 2096 2164 2.90E-14 87.8 46514 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Valvatacea; Valvatida; As
terinidae; Patiria; Patiria miniata
UdeM00000004682 225164 546.6 UdeM00000004682 XP_009050787.1 36.4
870 519 16 60 910 147 1001 6.10E-152 546.6 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea;
Lottiidae; Lottia; Lottia gigantea
UdeM00000004683 6596 71.6 UdeM00000004683 XP_045164823.1 25.6 203
128 5 15 214 134 316 1.60E-09 71.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000004685 6596 345.1 UdeM00000004685 XP_045195959.1 52.4 315
142 4 1 308 1 314 9.10E-92 345.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000004686 8255 106.3 UdeM00000004686 XP_019934688.1 51.3 115
39 3 5 116 2 102 3.80E-20 106.3 8255 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorphacea; Percomorphaceae; Carangaria; Pleuronectiformes; Pl
euronectoidei; Paralichthyidae; Paralichthys; Paralichthys olivaceus
UdeM00000004687 8255 106.3 UdeM00000004687 XP_019934688.1 51.3 115
39 3 5 116 2 102 3.90E-20 106.3 8255 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleosteomorpha; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorphacea; Percomorphaceae; Carangaria; Pleuronectiformes; Pl
euronectoidei; Paralichthyidae; Paralichthys; Paralichthys olivaceus
UdeM00000004688 6579 1488.8 UdeM00000004688 XP_033759237.1 46.5
1692 832 19 13 1659 921 2583 0.00E+00 1488.8 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000004689 6596 321.6 UdeM00000004689 XP_045166961.1 43.6 424
230 4 60 479 505 923 1.90E-84 321.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004690 6596 203.4 UdeM00000004690 XP_045166961.1 33 397
219 7 13 371 119 506 5.10E-49 203.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004693 225164 299.3 UdeM00000004693 XP_009049857.1 48.3
294 152 0 13 306 1 294 5.70E-78 299.3 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000004692 225164 298.9 UdeM00000004692 XP_009049857.1 48.3
294 152 0 33 326 1 294 8.00E-78 298.9 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;Lottiidae;Lottia;Lottia gigantea

UdeM00000004694 6596 104.4 UdeM00000004694 XP_045166424.1 61.7 81
30 1 11 91 12 91 9.30E-20 104.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004696 6596 117.5 UdeM00000004696 XP_045166250.1 33.2 235
124 5 1 202 1 235 2.00E-23 117.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004697 6596 360.5 UdeM00000004697 XP_045164296.1 52.8 405
179 5 6 401 27 428 2.80E-96 360.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004699 6573 291.2 UdeM00000004699 XP_021346496.1 33.5 483
208 4 1 374 213 691 1.90E-75 291.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004700 6579 183.3 UdeM00000004700 XP_033739209.1 45.5 211
84 2 9 199 2 201 8.30E-43 183.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004701 6596 239.6 UdeM00000004701 XP_045164296.1 38 368
216 4 21 379 40 404 6.70E-60 239.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004702 114398 407.1 UdeM00000004702 XP_042903861.1 39.4
574 337 6 1 570 1 567 3.60E-110 407.1 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000004703 114398 419.1 UdeM00000004703 XP_042903861.1 39.9
574 334 6 1 570 1 567 9.10E-114 419.1 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000004704 114398 414.8 UdeM00000004704 XP_042903861.1 39.5
574 336 6 1 570 1 567 1.70E-112 414.8 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000004705 6596 322.4 UdeM00000004705 XP_045164296.1 47.2 369
186 3 35 397 42 407 8.70E-85 322.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004706 6596 322.4 UdeM00000004706 XP_045164296.1 47.2 369
186 3 30 392 42 407 8.60E-85 322.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004707 6596 624.8 UdeM00000004707 XP_045165958.1 74.1 394
102 0 15 408 12 405 8.00E-176 624.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004708 114398 308.1 UdeM00000004708 XP_015906392.2 40
422 246 4 1 420 1 417 1.80E-80 308.1 114398
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Araneae;Araneomo
rphae;Entelegynae;Orbiculariae;Araneoidea;Theridiidae;Parasteatoda;Parast
eatoda tepidariorum

UdeM00000004710 6596 330.5 UdeM00000004710 XP_045164820.1 50.8 303
147 2 48 350 87 387 2.60E-87 330.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004711 6596 359 UdeM00000004711 XP_045164819.1 49 347
 172 3 48 391 87 431 7.70E-96 359 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004713 9244 61.2 UdeM00000004713 XP_030305950.1 32.3 96
 61 3 8 102 247 339 2.60E-06 61.2 9244 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Caprimulgimorphae;Apodiformes;Trochilidae;Calypte;Calypte anna
 UdeM00000004714 1735272 61.2 UdeM00000004714 XP_041359548.1 27.3
 143 91 4 548 682 1031 1168 7.60E-06 61.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004715 6565 100.5 UdeM00000004715 XP_022322229.1 46 161
 67 4 41 195 220 366 2.50E-18 100.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004716 6579 309.3 UdeM00000004716 XP_033744643.1 53.6 291
 131 2 1 287 1 291 5.20E-81 309.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004717 6573 731.1 UdeM00000004717 XP_021369881.1 51.3 746
 315 17 11 738 146 861 1.40E-207 731.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004718 6596 344 UdeM00000004718 XP_045164394.1 79.3 213
 43 1 1 212 1 213 1.40E-91 344 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004723 6579 572.4 UdeM00000004723 XP_033745256.1 55.8 534
 220 5 39 562 39 566 6.40E-160 572.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004724 6565 1542.7 UdeM00000004724 XP_022300312.1 81.5
 902 167 0 1 902 21 922 0.00E+00 1542.7 6565
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004725 6596 670.2 UdeM00000004725 XP_045166621.1 65.3 501
 171 2 9 506 16 516 2.00E-189 670.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004727 6596 452.2 UdeM00000004727 XP_045165322.1 78.5 270
58 0 1 270 36 305 4.60E-124 452.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004726 6596 507.7 UdeM00000004726 XP_045165322.1 78.5 303
65 0 5 307 3 305 1.10E-140 507.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004728 6579 2848.9 UdeM00000004728 XP_033746006.1 51.1
3092 1371 41 14 3053 18 3021 0.00E+00 2848.9 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004729 1735272 760.8 UdeM00000004729 XP_041348334.1 77.2
482 108 2 1 482 1 480 1.10E-216 760.8 1735272

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004730 6579 436.4 UdeM00000004730 XP_033746003.1 58.8 337
134 2 19 351 28 363 3.40E-119 436.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004731 29159 129 UdeM00000004731 XP_011424137.2 44.7 141
71 3 23 160 59 195 5.50E-27 129 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004732 29159 115.5 UdeM00000004732 XP_011424137.2 40.1 142
78 3 22 160 59 196 6.20E-23 115.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004733 6596 79.3 UdeM00000004733 XP_045166885.1 39.8 103
59 1 4 103 8 110 4.70E-12 79.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004734 29159 113.2 UdeM00000004734 XP_011424137.2 41.2 136
73 3 28 160 64 195 3.10E-22 113.2 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004738 1735272 481.5 UdeM00000004738 XP_041378793.1 51.3
 466 208 6 3 464 2 452 1.20E-132 481.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004742 6596 261.5 UdeM00000004742 XP_045184168.1 60.6 198
 74 2 1 196 118 313 8.40E-67 261.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004746 6596 378.6 UdeM00000004746 XP_045164454.1 89.4 188
 20 0 10 197 512 699 4.70E-102 378.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004747 6596 281.2 UdeM00000004747 XP_045164454.1 87.3 142
 18 0 10 151 512 653 9.00E-73 281.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004748 6596 127.9 UdeM00000004748 XP_045165339.1 68.5 89
 27 1 1 89 1 88 6.80E-27 127.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004749 6596 1499.2 UdeM00000004749 XP_045165335.1 86.3
 878 118 2 1 876 1 878 0.00E+00 1499.2 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004750 6579 434.9 UdeM00000004750 XP_033744388.1 47.2 525
 249 10 86 595 88 599 1.70E-118 434.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004751 6596 186.4 UdeM00000004751 XP_045176098.1 37.7 247
 151 2 1 247 86 329 5.40E-44 186.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004752 1735272 183 UdeM00000004752 XP_041365171.1 34.2
 333 191 5 136 453 94 413 8.80E-43 183 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004754 6565 120.9 UdeM00000004754 XP_022303253.1 33.8 151
 100 0 27 177 25 175 1.60E-24 120.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004755 6573 193.4 UdeM00000004755 XP_021363409.1 33.7 282
 186 1 28 309 7 287 6.20E-46 193.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004759 6596 104.4 UdeM00000004759 XP_045206982.1 46.5 99
 53 0 188 286 86 184 2.50E-19 104.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004760 1735272 117.1 UdeM00000004760 XP_041379412.1 38.9
 162 95 2 15 175 11 169 2.30E-23 117.1 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004762 6596 221.1 UdeM00000004762 XP_045166461.1 56.4 188
 82 0 308 495 324 511 3.20E-54 221.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004763 2607531 155.6 UdeM00000004763 XP_036366756.1 31.5
 317 203 8 11 322 5 312 1.10E-34 155.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000004764 6579 235.7 UdeM00000004764 XP_033746521.1 42.9 343
 159 6 1 330 1 319 8.50E-59 235.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004765 6596 276.9 UdeM00000004765 XP_045165510.1 40.8 392
 216 9 367 747 121 507 7.30E-71 276.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004766 6579 802.4 UdeM00000004766 XP_033746543.1 47.7 895
 433 10 29 916 33 899 6.10E-229 802.4 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004767 6596 817.4 UdeM00000004767 XP_045164400.1 49.9 861
 395 9 7 846 923 1768 1.70E-233 817.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004768 6596 778.5 UdeM00000004768 XP_045164403.1 64 605
 213 2 1 604 220 820 6.90E-222 778.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004769 6596 1694.5 UdeM00000004769 XP_045164403.1 51.4
 1781 763 25 1 1706 1 1753 0.00E+00 1694.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004770 6596 920.2 UdeM00000004770 XP_045166452.1 47 1014
 512 14 15 1019 12 1009 2.30E-264 920.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004772 6596 875.2 UdeM00000004772 XP_045166452.1 46.9 1013
 513 13 12 1012 10 1009 8.30E-251 875.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004773 1735272 76.3 UdeM00000004773 XP_041349287.1 41.8
 110 49 2 15 117 13 114 3.00E-11 76.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004774 6596 951 UdeM00000004774 XP_045166452.1 49.7 1016
 489 14 2 1006 5 1009 1.20E-273 951 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004775 6596 993.8 UdeM00000004775 XP_045166452.1 51.4 1012
 471 13 12 1012 10 1011 1.60E-286 993.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004777 6596 157.9 UdeM00000004777 XP_045213763.1 38.1 202
 115 3 13 204 60 261 1.80E-35 157.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004778 6565 73.2 UdeM00000004778 XP_022296431.1 47.3 74
 39 0 1 74 919 992 1.70E-10 73.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000004779 6596 81.6 UdeM00000004779 XP_045166452.1 43.3 90
51 0 1 90 664 753 8.30E-13 81.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004781 6596 750 UdeM00000004781 XP_045165818.1 42.7 976
535 8 15 980 113 1074 3.90E-213 750 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004782 6596 607.1 UdeM00000004782 XP_045166451.1 36.3 991
574 16 13 974 12 974 4.30E-170 607.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004783 6596 624.4 UdeM00000004783 XP_045165818.1 37.9 992
573 15 10 973 26 1002 2.70E-175 624.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004784 6596 630.6 UdeM00000004784 XP_045166451.1 36.7 1001
583 16 4 982 3 974 3.60E-177 630.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004785 6596 594.3 UdeM00000004785 XP_045165818.1 37.9 931
537 13 1 901 82 1001 2.70E-166 594.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004786 6596 157.5 UdeM00000004786 XP_045166449.1 34.2 222
143 1 3 221 336 557 2.50E-35 157.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004787 6596 248.1 UdeM00000004787 XP_045166449.1 39.9 331
178 6 1 322 688 1006 2.70E-62 248.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000004788 6596 665.6 UdeM00000004788 XP_045165820.1 38.2 1037
605 15 3 1020 18 1037 1.00E-187 665.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004789 6596 590.9 UdeM00000004789 XP_045165820.1 36.9 1026
588 19 5 980 19 1035 3.00E-165 590.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004790 6596 1167.1 UdeM00000004790 XP_045165814.1 68.4
865 249 8 1 844 1 862 0.00E+00 1167.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004791 7739 131.7 UdeM00000004791 XP_035676548.1 43.1 167
89 2 153 318 291 452 1.70E-27 131.7 7739 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma floridae

UdeM00000004792 6565 303.9 UdeM00000004792 XP_022296606.1 41.9 391
196 10 21 389 17 398 3.00E-79 303.9 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004794 6596 598.6 UdeM00000004794 XP_045166451.1 35.6 1023
603 17 4 1000 3 995 1.50E-167 598.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004795 400727 367.9 UdeM00000004795 XP_025107682.1 63.6
291 104 1 21 309 47 337 1.40E-98 367.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000004796 32473 64.7 UdeM00000004796 XP_027860025.1 52.7 55
23 1 25 76 40 94 5.90E-08 64.7 32473 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoides;Poeciliidae;Poeciliinae;Xiphophorus;Xiphophorus couchianus

UdeM00000004797 215358 95.9 UdeM00000004797 XP_027132200.1 44.1
111 56 2 2 112 81 185 3.60E-17 95.9 215358
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyprinodontiformes;Cyprinodontoides;Poeciliidae;Poeciliinae;Xiphophorus;Xiphophorus couchianus

rphata;Euacanthomorpha;Percomorphaceae;Eupercaria;Eupercaria incertae sedis;Sciaenidae;Larimichthys;Larimichthys crocea

UdeM00000004798 30732 178.3 UdeM00000004798 XP_024118320.1 43.3 208
116 2 14 221 409 614 1.10E-41 178.3 30732 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleostei;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorpha;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorpha;Beloniformes;Adrianichthyoidei;Adrianichthyidae;Oryziinae;Oryzias;Oryzias melastigma

UdeM00000004799 400727 363.6 UdeM00000004799 XP_025107682.1 60.8
301 116 1 21 319 47 347 2.70E-97 363.6 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000004800 29159 213.8 UdeM00000004800 XP_034317562.1 32.9 359
225 10 5 361 1419 1763 5.10E-52 213.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004801 6596 289.3 UdeM00000004801 XP_045165877.1 43.1 518
173 14 173 632 527 980 1.20E-74 289.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004802 6596 582.8 UdeM00000004802 XP_045165877.1 45.7 828
326 13 359 1178 269 980 9.80E-163 582.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004803 1735272 459.5 UdeM00000004803 XP_041347849.1 77.5
276 57 4 1 275 1 272 3.00E-126 459.5 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004804 29159 275.4 UdeM00000004804 XP_011436033.1 72.9 177
48 0 2 178 41 217 5.10E-71 275.4 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004805 6596 370.9 UdeM00000004805 XP_045184168.1 52.7 317
139 4 4 313 1 313 1.60E-99 370.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004806 6596 364.8 UdeM00000004806 XP_045184168.1 55.4 316
132 5 1 311 2 313 1.10E-97 364.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004807 6596 174.9 UdeM00000004807 XP_045184168.1 58.4 137
53 2 1 135 37 171 8.20E-41 174.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004808 6596 339.3 UdeM00000004808 XP_045184168.1 52.8 316
139 5 1 312 3 312 5.10E-90 339.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004809 6573 593.6 UdeM00000004809 XP_021371832.1 48.8 1184
574 12 120 1286 1137 2305 6.10E-166 593.6 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000004811 400727 104 UdeM00000004811 XP_025107582.1 41.4
152 81 2 2 151 196 341 1.80E-19 104 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000004812 6579 241.1 UdeM00000004812 XP_033746657.1 61.1 203
77 2 1 201 1 203 2.00E-60 241.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004814 6596 515.4 UdeM00000004814 XP_045164782.1 50.7 588
236 10 30 578 70 642 9.50E-143 515.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004813 6596 582.4 UdeM00000004813 XP_045164782.1 51.2 662
254 13 1 616 4 642 6.80E-163 582.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004815 6579 308.5 UdeM00000004815 XP_033746820.1 62.5 520
158 11 3 492 2 514 1.60E-80 308.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004816 6526 203.8 UdeM00000004816 XP_013065297.1 43.5 501
208 10 11 443 5 498 4.90E-49 203.8 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pantpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000004817 6596 1416.7 UdeM00000004817 XP_045166276.1 72.1
941 251 4 1 936 1 934 0.00E+00 1416.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004818 6596 834.3 UdeM00000004818 XP_045166276.1 77.2 521
114 2 1 517 1 520 8.30E-239 834.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004819 6596 485 UdeM00000004819 XP_045171318.1 64.8 332
115 1 3 332 9 340 8.00E-134 485 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004820 6596 637.5 UdeM00000004820 XP_045164339.1 63.2 475
153 6 1 456 1 472 1.30E-179 637.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004821 1735272 1209.1 UdeM00000004821 XP_041347627.1
40.3 1770 896 41 2 1723 30 1686 0.00E+00 1209.1
1735272 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000004822 6565 412.1 UdeM00000004822 XP_022297104.1 57.5 527
186 7 8 508 7 521 9.90E-112 412.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004823 6596 448.7 UdeM00000004823 XP_045165308.1 38.9 653
361 11 238 878 15 641 1.70E-122 448.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000004824 6565 276.6 UdeM00000004824 XP_022297553.1 61.4 251
84 6 11 257 95 336 3.50E-71 276.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004825 6565 294.7 UdeM00000004825 XP_022297553.1 61.9 260
84 6 10 266 95 342 1.20E-76 294.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004826 6596 350.5 UdeM00000004826 XP_045164205.1 56.5 283
121 1 2 284 43 323 2.00E-93 350.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004827	6596	1407.1		UdeM00000004827	XP_045165353.1	42.8				
	2211	979	44	75	2057	75	2227	0.00E+00	1407.1	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004828	6596	153.7		UdeM00000004828	XP_045165353.1	75	100			
	24	1	86	185	75	173	2.40E-34	153.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004829	6596	300.4		UdeM00000004829	XP_045166315.1	57	258			
	105	4	86	338	42	298	2.80E-78	300.4	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004830	6596	302		UdeM00000004830	XP_045166315.1	57.4	258			
	105	4	86	339	42	298	9.70E-79	302	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004831	6596	661		UdeM00000004831	XP_045165314.1	74	458			
	111	3	1	450	1	458	1.10E-186	661	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004832	6596	444.5		UdeM00000004832	XP_045164640.1	56	409			
	175	4	56	462	43	448	1.70E-121	444.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004834	6579	558.1		UdeM00000004834	XP_033741441.1	68	378			
	121	0	1	378	1	378	8.40E-156	558.1	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004836	6596	73.2		UdeM00000004836	XP_045165023.1	34.8	112			
	71	1	35	146	69	178	3.30E-10	73.2	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004838	29159	89.4		UdeM00000004838	XP_034315725.1	69.5	59			
	18	0	30	88	571	629	2.70E-15	89.4	29159	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004840 6565 189.1 UdeM00000004840 XP_022296139.1 69 116
36 0 52 167 25 140 1.00E-44 189.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004841 6565 189.1 UdeM00000004841 XP_022296138.1 69 116
36 0 52 167 25 140 1.20E-44 189.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004842 6596 627.9 UdeM00000004842 XP_045166489.1 86.4 360
49 0 1 360 17 376 8.20E-177 627.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004843 6596 1129.4 UdeM00000004843 XP_045164480.1 81.9
689 123 2 162 849 206 893 0.00E+00 1129.4 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004844 6596 6434.7 UdeM00000004844 XP_045164482.1 79.3
4080 770 7 1 4063 1 4022 0.00E+00 6434.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004845 29159 1384.4 UdeM00000004845 XP_034306565.1 71.8
1244 347 2 1 1242 1 1242 0.00E+00 1384.4
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004846 6596 542 UdeM00000004846 XP_045164092.1 78.4 379
82 0 1 379 1 379 6.20E-151 542 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004847 6596 1115.9 UdeM00000004847 XP_045166597.1 37.8
1671 891 26 90 1721 110 1670 0.00E+00 1115.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004848 6579 563.5 UdeM00000004848 XP_033745946.1 61.7 621
220 3 1 604 1 620 3.30E-157 563.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000004849 6596 624.8 UdeM00000004849 XP_045166684.1 87.5 343
43 0 1 343 1 343 6.60E-176 624.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004850 6565 107.1 UdeM00000004850 XP_022305631.1 48.2 110
57 0 1 110 18 127 1.70E-20 107.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004851 6596 433 UdeM00000004851 XP_045205812.1 63 343
119 3 14 356 18 352 3.80E-118 433 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004852 6596 407.5 UdeM00000004852 XP_045205812.1 65.3 314
101 3 14 327 18 323 1.70E-110 407.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004853 6596 575.5 UdeM00000004853 XP_045203146.1 50.1 577
284 2 5 581 6 578 7.80E-161 575.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004854 6596 348.6 UdeM00000004854 XP_045203327.1 68.9 283
57 4 2 253 3 285 6.80E-93 348.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004855 6596 614.4 UdeM00000004855 XP_045203208.1 63.5 455
160 3 1 455 1 449 1.20E-172 614.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004858 158441 112.5 UdeM00000004858 XP_021960903.1 58.8
80 33 0 1 80 1 80 2.80E-22 112.5 158441
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Collembola;Entomobryomorpha;Isotomoidea;Isotomidae;Proisotominae;Folsomia;Folsomia candida

UdeM00000004859 6596 187.6 UdeM00000004859 XP_045204692.1 36.8 285
154 4 14 290 9 275 8.00E-44 187.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004860 6596 529.6 UdeM00000004860 XP_045204691.1 49.3 737
291 19 1 686 11 715 5.80E-147 529.6 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004861 6596 161.8 UdeM00000004861 XP_045203857.1 33.3 351
191 11 123 446 223 557 2.40E-36 161.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004862 6596 147.9 UdeM00000004862 XP_045206264.1 36.8 269
157 6 89 353 1710 1969 3.80E-32 147.9 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004863 6596 148.7 UdeM00000004863 XP_045180995.1 39.5 215
114 4 132 339 690 895 1.80E-32 148.7 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004865 6565 70.1 UdeM00000004865 XP_022323704.1 30.9 188
102 4 33 210 819 988 4.40E-09 70.1 6565 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000004867 6596 172.2 UdeM00000004867 XP_045204716.1 41.3 225
124 4 325 544 234 455 2.00E-39 172.2 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004868 6565 174.5 UdeM00000004868 XP_022326903.1 39.3 262
141 4 592 852 288 532 5.90E-40 174.5 6565 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea virginica

UdeM00000004869 6573 173.7 UdeM00000004869 XP_021352048.1 40.9 235
117 5 171 391 197 423 4.70E-40 173.7 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000004871 6596 176.4 UdeM00000004871 XP_045206264.1 35.6 298
179 5 545 832 1678 1972 1.50E-40 176.4 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004872 6573 166.4 UdeM00000004872 XP_021352048.1 31.6 427
 253 11 561 968 17 423 1.80E-37 166.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004873 6596 727.6 UdeM00000004873 XP_045202954.1 60.4 576
 220 3 2 569 26 601 1.20E-206 727.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004874 6596 163.3 UdeM00000004874 XP_045203033.1 28.6 367
 238 9 2 346 37 401 8.40E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004876 6596 142.5 UdeM00000004876 XP_045203033.1 25.5 369
 192 8 66 354 35 400 2.00E-30 142.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004877 6596 178.7 UdeM00000004877 XP_045203032.1 30.2 378
 217 13 38 382 38 401 2.10E-41 178.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004878 6596 89 UdeM00000004878 XP_045203033.1 22.6 340
 193 9 1 272 64 401 2.60E-14 89 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004880 7897 108.2 UdeM00000004880 XP_014344318.1 38.3 180
 92 7 46 214 239 410 1.30E-20 108.2 7897 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Coelacanthimorpha;Coelacanthiformes;Coelacanthidae;Latimeria;La
 timeria chalumnae
 UdeM00000004881 6596 496.9 UdeM00000004881 XP_045206502.1 40.9 619
 344 8 515 1131 656 1254 6.80E-137 496.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004882 29159 66.2 UdeM00000004882 XP_034303203.1 51.5 68
 32 1 110 176 512 579 4.60E-08 66.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004883 6596 114.8 UdeM00000004883 XP_045203032.1 30.5 266
 160 9 2 246 38 299 1.80E-22 114.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004884 6565 69.7 UdeM00000004884 XP_022317541.1 37.3 102
57 3 35 130 466 566 8.50E-09 69.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004887 6596 120.6 UdeM00000004887 XP_045205920.1 28.1 306
188 9 24 302 32 332 3.60E-24 120.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004886 6596 121.3 UdeM00000004886 XP_045202835.1 28 289
181 8 24 290 35 318 2.40E-24 121.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004888 29159 70.5 UdeM00000004888 XP_034318742.1 42.1 95
51 4 11 102 273 366 7.10E-09 70.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004889 6596 124 UdeM00000004889 XP_045203032.1 29.8 292
174 10 3 272 4 286 3.30E-25 124 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004890 6565 128.3 UdeM00000004890 XP_022302274.1 44.2 154
85 1 14 167 127 279 9.50E-27 128.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004892 400727 61.2 UdeM00000004892 XP_025108230.1 46.3
54 28 1 85 137 513 566 1.40E-06 61.2 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000004893 29159 67 UdeM00000004893 XP_034320548.1 31.7 126
55 4 29 141 387 494 3.50E-08 67 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000004894 6596 83.2 UdeM00000004894 XP_045205318.1 42.1 107
54 4 1 103 1 103 5.80E-13 83.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000004895 6596 117.9 UdeM00000004895 XP_045203033.1 26.6 248
 166 5 27 262 157 400 3.50E-23 117.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004896 7574 90.9 UdeM00000004896 XP_013415221.1 33 188
 108 6 41 218 219 398 2.70E-15 90.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000004897 29159 510.8 UdeM00000004897 XP_034331610.1 45.7 597
 307 8 481 1074 446 1028 4.70E-141 510.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004898 6596 463.4 UdeM00000004898 XP_045206611.1 41.2 594
 312 7 619 1186 506 1088 8.90E-127 463.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004899 80427 85.9 UdeM00000004899 XP_033017792.1 42.3 104
 54 1 76 173 500 603 5.90E-14 85.9 80427 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepido
 sauria;Squamata;Bifurcata;Unidentata;Episquamata;Laterata;Lacertibaenia;L
 accertidae;Lacertinae;Lacerta;Lacerta agilis
 UdeM00000004900 6596 100.9 UdeM00000004900 XP_045205920.1 31.6 190
 111 5 33 208 32 216 2.20E-18 100.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004901 6596 69.3 UdeM00000004901 XP_045203032.1 35.4 96
 54 2 2 89 38 133 5.00E-09 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004902 6596 65.5 UdeM00000004902 XP_045206174.1 43.9 66
 33 1 23 84 144 209 7.60E-08 65.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004903 6596 414.8 UdeM00000004903 XP_045206611.1 35.9 711
 357 14 507 1197 402 1033 3.60E-112 414.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004904 6596 166 UdeM00000004904 XP_045203033.1 28.4 377
 228 11 37 382 35 400 1.20E-37 166 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004905 6596 164.9 UdeM00000004905 XP_045203032.1 28.4 412
 250 15 3 386 7 401 3.40E-37 164.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004906 6596 490 UdeM00000004906 XP_045205438.1 40.2 630
 355 8 731 1358 818 1427 1.00E-134 490 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004906 6596 83.6 UdeM00000004906 XP_045205438.1 24.8 206
 137 5 69 272 40 229 2.20E-12 83.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004907 6565 485.3 UdeM00000004907 XP_022323662.1 35.6 818
 511 11 23 837 19 823 1.80E-133 485.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004908 6565 83.6 UdeM00000004908 XP_022311907.1 27.4 186
 114 3 113 277 313 498 7.00E-13 83.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000004909 279965 62 UdeM00000004909 XP_010173414.1 51.8
 56 27 0 1 56 36 91 5.40E-07 62 279965
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archel
 osauria;Archosauria;Dinosauria;Saurischia;Theropoda;Coelurosauria;Aves;Ne
 ognathae;Caprimulgimorphae;Caprimulgiformes;Caprimulgidae;Antrostomus;Ant
 rostomus carolinensis

UdeM00000004910 6596 520 UdeM00000004910 XP_045206502.1 32.1 1314
 715 35 34 1267 39 1255 8.40E-144 520 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004911 6596 95.9 UdeM00000004911 XP_045180038.1 28.1 288
 147 11 2 240 46 322 7.80E-17 95.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004912 6596 518.1 UdeM00000004912 XP_045206502.1 32 1314
 716 35 34 1267 39 1255 3.20E-143 518.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004913 6596 521.2 UdeM00000004913 XP_045206502.1 32 1313
 717 34 34 1266 39 1255 3.80E-144 521.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004914 6596 396.7 UdeM00000004914 XP_045206611.1 41.4 490
 273 6 1 487 622 1100 4.10E-107 396.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004915 29159 287.3 UdeM00000004915 XP_011453364.2 45.5 312
 164 3 1 311 1 307 2.30E-74 287.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004916 6596 1183.7 UdeM00000004916 XP_045202771.1 67.1
 909 283 7 1 898 1 904 0.00E+00 1183.7 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004918 6596 434.5 UdeM00000004918 XP_045202771.1 75.1 277
 69 0 1 277 628 904 1.00E-118 434.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004917 6579 622.9 UdeM00000004917 XP_033743453.1 66.3 513
 163 8 2 507 54 563 3.70E-175 622.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004919 6596 894 UdeM00000004919 XP_045202820.1 63.3 697
 243 6 8 696 176 867 1.30E-256 894 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004920 6596 836.6 UdeM00000004920 XP_045202820.1 62.8 656
 231 6 8 655 176 826 2.30E-239 836.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004921 6596 307 UdeM00000004921 XP_045206335.1 44.2 346
 189 3 42 385 45 388 4.70E-80 307 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004923 400727 312.4 UdeM00000004923 XP_025088532.1 94.7
 169 9 0 3 171 2 170 3.60E-82 312.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000004924 225164 456.8 UdeM00000004924 XP_009059770.1 69
 297 89 1 90 383 26 322 3.00E-125 456.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000004925 7574 184.5 UdeM00000004925 XP_013412764.1 43.3 210
 117 1 22 229 37 246 1.50E-43 184.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000004926 6596 619 UdeM00000004926 XP_045203250.1 44.1 886
 460 21 20 889 18 884 1.30E-173 619 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004927 6596 619 UdeM00000004927 XP_045203247.1 42.2 966
 509 25 20 955 18 964 1.30E-173 619 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004928 48498 515 UdeM00000004928 XP_020629946.1 38.6 772
 386 13 2 769 1050 1737 2.00E-142 515 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000004929 6579 245.7 UdeM00000004929 XP_033739209.1 48.8 258
 116 2 9 261 2 248 6.40E-62 245.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004930 6596 1328.5 UdeM00000004930 XP_045203251.1 46
 1553 693 15 1 1432 1 1529 0.00E+00 1328.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004935 29159 409.1 UdeM00000004935 XP_011440861.2 53.3 422
 186 8 6 422 4 419 7.00E-111 409.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004936 106582 61.6 UdeM00000004936 XP_004556909.1 27.4
 179 114 5 1 178 1 164 1.20E-06 61.6 106582
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
 iformes;Cichlidae;African
 cichlids;Pseudocrenilabrinae;Haplochromini;Maylandia;Maylandia zebra
 complex;Maylandia zebra
 UdeM00000004938 29159 411.8 UdeM00000004938 XP_011440861.2 53.6 422
 185 8 3 419 4 419 1.10E-111 411.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000004940 6596 122.5 UdeM00000004940 XP_045204907.1 54.4 114
 51 1 221 333 277 390 1.10E-24 122.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004941 6565 196.1 UdeM00000004941 XP_022325642.1 66.9 148
 48 1 38 185 26 172 5.40E-47 196.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004942 2607531 306.6 UdeM00000004942 XP_029657462.1 56
 277 122 0 92 368 7 283 4.40E-80 306.6 2607531
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
 UdeM00000004943 6596 743.4 UdeM00000004943 XP_045204907.1 59.5 805
 316 5 7 807 432 1230 3.00E-211 743.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004944 6579 423.7 UdeM00000004944 XP_033742434.1 58.2 368
 152 2 11 376 7 374 2.40E-115 423.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004945 7574 90.5 UdeM00000004945 XP_013384015.1 57.3 89
 37 1 6 94 186 273 1.30E-15 90.5 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000004946 6596 429.9 UdeM00000004946 XP_045206655.1 57.9 373
 154 2 1 370 5 377 3.40E-117 429.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004947 6579 372.5 UdeM00000004947 XP_033742434.1 67.6 278
 86 1 1 278 1 274 5.00E-100 372.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004948 6579 161 UdeM00000004948 XP_033742434.1 62.6 123
 46 0 1 123 152 274 1.10E-36 161 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000004949 6573 136 UdeM00000004949 XP_021339202.1 89.2 74
 8 0 1 74 294 367 2.90E-29 136 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004950 6596 1135.9 UdeM00000004950 XP_045203845.1 75.8
 748 177 2 19 766 22 765 0.00E+00 1135.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004951 6596 398.7 UdeM00000004951 XP_045203830.1 41.9 657
 328 16 2 627 522 1155 1.40E-107 398.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004952 6596 588.6 UdeM00000004952 XP_045203830.1 46.6 822
 375 20 118 900 359 1155 1.40E-164 588.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004953 6596 368.6 UdeM00000004953 XP_045203830.1 60.1 328
 115 6 1 326 1 314 8.50E-99 368.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004954 6565 371.3 UdeM00000004954 XP_022326126.1 59.9 332
 111 6 1 331 1 311 3.40E-99 371.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004955 1735272 171.8 UdeM00000004955 XP_041358144.1 35.5
 423 253 6 15 426 378 791 1.90E-39 171.8 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000004956 6596 285.4 UdeM00000004956 XP_045203477.1 66.8 220
73 0 1 220 1 220 6.10E-74 285.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000004957 6596 125.2 UdeM00000004957 XP_045203476.1 72.8 92
24 1 1 91 1 92 4.40E-26 125.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000004958 6579 576.2 UdeM00000004958 XP_033743996.1 70.8 390
114 0 10 399 8 397 3.20E-161 576.2 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000004960 6565 287 UdeM00000004960 XP_022335717.1 36.7 387
228 8 1735 2118 1196 1568 2.00E-73 287 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000004961 45351 77.8 UdeM00000004961 XP_032230364.1 52.5 59
28 0 22 80 589 647 7.10E-12 77.8 45351 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Edwardsiidae;Nematostella;Nematostella vectensis
UdeM00000004962 2652724 98.2 UdeM00000004962 XP_020900102.1 35.2
128 63 4 6 115 58 183 7.20E-18 98.2 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000004963 6105 95.9 UdeM00000004963 XP_031552350.1 35.6 118
67 2 7 115 62 179 3.60E-17 95.9 6105 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000004964 2652724 94.4 UdeM00000004964 XP_020900102.1 34.5
110 68 3 8 113 138 247 1.00E-16 94.4 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000004965 2652724 95.1 UdeM00000004965 XP_020900102.1 36.4
110 63 4 229 331 138 247 1.80E-16 95.1 2652724
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000004968 45264 96.7 UdeM00000004968 XP_029198767.2 33.9 124
77 5 17 136 106 228 2.60E-17 96.7 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora millepora

UdeM00000004969 6565 262.7 UdeM00000004969 XP_022321940.1 24.8 673
 489 9 15 676 16 682 1.30E-66 262.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000004970 6573 257.3 UdeM00000004970 XP_021366217.1 25.7 666
 453 10 14 673 11 640 5.40E-65 257.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000004971 6596 444.1 UdeM00000004971 XP_045203480.1 55.8 369
 158 4 47 412 37 403 1.90E-121 444.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000004972 1735272 156 UdeM00000004972 XP_041367532.1 34.6
 231 146 1 143 368 41 271 9.30E-35 156 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004973 225164 171.4 UdeM00000004973 XP_009063605.1 47.8
 209 93 3 75 268 18 225 1.60E-39 171.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000004974 2652724 102.4 UdeM00000004974 XP_020900102.1 39
 118 56 6 22 125 132 247 4.20E-19 102.4 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
 UdeM00000004975 1735272 171.4 UdeM00000004975 XP_041367532.1 46.4
 196 99 1 75 264 57 252 1.60E-39 171.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000004976 225164 171.4 UdeM00000004976 XP_009063605.1 47.4
 209 94 3 76 269 18 225 1.60E-39 171.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000004977 225164 140.2 UdeM00000004977 XP_009063605.1 44.1
 177 84 1 11 172 49 225 2.50E-30 140.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000004978 6526 179.1 UdeM00000004978 XP_013067082.1 46.8 205
 94 1 85 274 128 332 7.90E-42 179.1 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000004979 6596 493.8 UdeM00000004979 XP_045203479.1 65.2 368
127 1 2 369 16 382 1.90E-136 493.8 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004982 6596 81.3 UdeM00000004982 XP_045210113.1 37.8 98
60 1 36 133 878 974 1.10E-12 81.3 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004983 6573 250.8 UdeM00000004983 XP_021356454.1 49.4 261
119 6 16 270 8 261 2.10E-63 250.8 6573 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000004984 6596 690.3 UdeM00000004984 XP_045203230.1 56.7 614
251 3 12 615 3 611 2.30E-195 690.3 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004985 6596 80.1 UdeM00000004985 XP_045206126.1 42.5 127
46 6 32 132 78 203 2.70E-12 80.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004986 6596 80.1 UdeM00000004986 XP_045206126.1 42.5 127
46 6 29 129 78 203 2.60E-12 80.1 6596 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000004987 6579 738.4 UdeM00000004987 XP_033742077.1 61.8 639
177 5 102 674 297 934 8.00E-210 738.4 6579 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000004988 29159 252.3 UdeM00000004988 XP_011418206.1 91 156
14 0 1 156 1 156 4.10E-64 252.3 29159 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000004989 6526 166.8 UdeM00000004989 XP_013075097.1 42.7 199
97 3 42 228 50 243 3.30E-38 166.8 6526 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000004990 7739 58.5 UdeM00000004990 XP_035660271.1 35.8 81
 50 2 58 137 167 246 7.60E-06 58.5 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae

UdeM00000004991 6596 542.7 UdeM00000004991 XP_045161878.1 47.7 579
 280 5 10 586 16 573 5.70E-151 542.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004992 6596 483.8 UdeM00000004992 XP_045202941.1 49 567
 275 9 6 567 10 567 3.10E-133 483.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004993 6596 3145.1 UdeM00000004993 XP_045202941.1 53.4
 3212 1439 28 11 3202 11 3185 0.00E+00 3145.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004994 6596 305.8 UdeM00000004994 XP_045206168.1 32.4 900
 516 26 11 869 1809 2657 1.70E-79 305.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004995 6596 362.8 UdeM00000004995 XP_045206168.1 32.7 1124
 637 36 22 1087 1596 2657 1.50E-96 362.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004996 6596 351.7 UdeM00000004996 XP_045203590.1 56 382
 156 7 1 373 1 379 1.20E-93 351.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004997 6596 337.8 UdeM00000004997 XP_045203590.1 54 465
 214 0 1 465 394 858 2.20E-89 337.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004998 6596 474.9 UdeM00000004998 XP_045203594.1 48.5 723
 342 4 1 693 394 1116 2.00E-130 474.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000004999 6596 89 UdeM00000004999 XP_045203590.1 57.8 90
 34 2 42 131 1268 1353 5.00E-15 89 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005000 6596 89 UdeM00000005000 XP_045203590.1 57.8 90
 34 2 27 116 1268 1353 4.40E-15 89 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005002 400727 587.4 UdeM00000005002 XP_025086244.1 65.6
 468 161 0 52 519 110 577 2.10E-164 587.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000005003 6596 555.8 UdeM00000005003 XP_045204134.1 55.5 521
 218 4 27 547 36 542 6.20E-155 555.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005005 6596 407.9 UdeM00000005005 XP_045204136.1 71.4 259
 72 1 1 259 1 257 9.60E-111 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005004 6596 544.3 UdeM00000005004 XP_045204136.1 68.6 366
 111 2 1 366 1 362 1.80E-151 544.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005008 6500 67.8 UdeM00000005008 XP_005091170.1 39.4 99
 54 1 143 235 484 582 2.10E-08 67.8 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000005009 400727 70.1 UdeM00000005009 XP_025085894.1 39.8
 108 61 1 10 113 54 161 3.10E-09 70.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000005010 400727 70.1 UdeM00000005010 XP_025085894.1 39.8
 108 61 1 3 106 54 161 3.00E-09 70.1 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000005012 10224 142.9 UdeM00000005012 XP_006820186.1 50.8 124
 61 0 3 126 110 233 2.90E-31 142.9 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000005013 6596 333.6 UdeM00000005013 XP_045156248.1 41.3 465
 225 8 4 448 7 443 4.10E-88 333.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005014 225164 246.5 UdeM00000005014 XP_009065415.1 69
 168 52 0 23 190 141 308 2.70E-62 246.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000005015 225164 246.5 UdeM00000005015 XP_009065415.1 69
 168 52 0 19 186 141 308 2.70E-62 246.5 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000005016 6596 157.1 UdeM00000005016 XP_045204313.1 41.4 181
 85 1 13 172 12 192 2.10E-35 157.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005017 6596 179.9 UdeM00000005017 XP_045204312.1 44.4 216
 109 7 5 218 3 209 3.60E-42 179.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005018 6596 426.4 UdeM00000005018 XP_045176288.1 44.7 499
 268 6 7 499 9 505 5.00E-116 426.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005019 6579 478.8 UdeM00000005019 XP_033743847.1 89.7 263
 26 1 1 263 1 262 4.50E-132 478.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005020 7574 150.2 UdeM00000005020 XP_013396733.1 41.3 206
 120 1 96 300 43 248 4.20E-33 150.2 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000005021 1735272 130.6 UdeM00000005021 XP_041360008.1 74.1
 81 21 0 5 85 62 142 9.70E-28 130.6 1735272
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000005022 6596 412.9 UdeM00000005022 XP_045176288.1 48.1 424
212 5 6 426 86 504 4.90E-112 412.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005023 6596 147.5 UdeM00000005023 XP_045176288.1 54.8 126
55 2 21 145 380 504 1.30E-32 147.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005024 6596 411 UdeM00000005024 XP_045176288.1 47.4 439
222 6 5 439 71 504 1.90E-111 411 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005025 6596 198.4 UdeM00000005025 XP_045176288.1 38.4 289
119 2 9 238 89 377 1.10E-47 198.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005026 90988 180.6 UdeM00000005026 XP_039529746.1 36.1 310
181 8 6 306 387 688 4.40E-42 180.6 90988 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprinidae;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas

UdeM00000005027 6596 303.9 UdeM00000005027 XP_045176288.1 39.7 423
179 5 6 356 86 504 2.70E-79 303.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005028 1676925 63.9 UdeM00000005028 XP_023653206.1 46.4
69 37 0 7 75 27 95 9.90E-08 63.9 1676925
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Osteoglossocephala;Osteoglossomorpha;Osteoglossiformes;Mormyridae;Paramormyrops;Paramormyrops kingsleyae

UdeM00000005030 6596 117.9 UdeM00000005030 XP_045174490.1 38.8 183
43 2 1 114 241 423 8.80E-24 117.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005029 6596 100.5 UdeM00000005029 XP_045174490.1 37.4 171
 38 2 79 180 253 423 2.30E-18 100.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005031 6596 386 UdeM00000005031 XP_045176288.1 47 430
 214 7 6 432 86 504 6.50E-104 386 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005032 6596 473.4 UdeM00000005032 XP_045203986.1 55.5 474
 193 7 4 465 2 469 3.30E-130 473.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005033 46514 325.5 UdeM00000005033 XP_038075667.1 38.4 487
 249 9 37 488 94 564 1.20E-85 325.5 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata

UdeM00000005034 6565 182.6 UdeM00000005034 XP_022321214.1 58.6 152
 62 1 2 152 83 234 4.10E-43 182.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005035 6579 411.8 UdeM00000005035 XP_033742104.1 64.7 306
 105 2 1 306 1 303 8.20E-112 411.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000005036 6565 529.6 UdeM00000005036 XP_022320314.1 46.6 696
 364 2 1 696 1 688 6.00E-147 529.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005037 6596 821.2 UdeM00000005037 XP_045203989.1 71.1 603
 173 1 1 603 1 602 8.50E-235 821.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005039 6596 351.3 UdeM00000005039 XP_045181000.1 50.5 663
 134 11 1 501 947 1577 2.10E-93 351.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000005040 6565 124.8 UdeM00000005040 XP_022299727.1 47.8 134
 69 1 29 162 145 277 1.20E-25 124.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005043 8128 114.8 UdeM00000005043 XP_019210515.1 31.8 198
127 4 4 195 22 217 1.30E-22 114.8 8128 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Acti
nopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeoce
phala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomo
rphata; Euacanthomorpha; Perciformes; Perciformes; Ovalentaria; Cichlomorphae; Cichl
iformes; Cichlidae; African
cichlids; Pseudocrenilabrinae; Oreochromini; Oreochromis; Oreochromis
niloticus
UdeM00000005044 6565 96.7 UdeM00000005044 XP_022297447.1 32.4 182
60 1 218 336 185 366 6.10E-17 96.7 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005045 6596 156 UdeM00000005045 XP_045182313.1 41.6 221
112 4 3 207 479 698 1.20E-34 156 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000005047 115357 285.8 UdeM00000005047 XP_045482836.1 48.2
284 143 2 1 284 10 289 6.10E-74 285.8 115357
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Cucu
jiformia; Cucujoidea; Coccinellidae; Coccinellinae; Coccinellini; Harmonia; Har
monia axyridis
UdeM00000005049 70779 127.5 UdeM00000005049 XP_015764363.1 33.8 272
151 7 4 249 6 274 2.40E-26 127.5 70779 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
corallia; Scleractinia; Astrocoeniina; Acroporidae; Acropora; Acropora
digitifera
UdeM00000005050 6565 165.2 UdeM00000005050 XP_022337267.1 29.1 573
209 14 1 383 1 566 1.60E-37 165.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000005053 29159 85.1 UdeM00000005053 XP_034311318.1 23.7 372
160 10 1 251 256 624 1.40E-13 85.1 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000005054 6579 73.9 UdeM00000005054 XP_033743002.1 44.4 72
39 1 1 72 313 383 1.20E-10 73.9 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000005056 29159 84.7 UdeM00000005056 XP_034311318.1 38 142
60 7 1 117 82 220 8.40E-14 84.7 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Ostr
 eida; Ostreoidae; Ostreidae; Crassostrea; Crassostrea gigas
 UdeM00000005058 6579 110.2 UdeM00000005058 XP_033734341.1 40.8 157
 79 4 3 156 4 149 2.50E-21 110.2 6579 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pect
 inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
 UdeM00000005060 6185 105.5 UdeM00000005060 XP_012795094.2 44.8 116
 64 0 1 116 74 189 4.60E-20 105.5 6185 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Platyhelminthes; Trematoda; Digenea; Strigeidida; Sch
 istosomatoidea; Schistosomatidae; Schistosoma; Schistosoma haematobium
 UdeM00000005061 7741 494.6 UdeM00000005061 XP_019618826.1 52.4 477
 188 2 1 438 47 523 1.30E-136 494.6 7741 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Chordata; Cephalochordata; Leptocardii; Amphioxiformes; Branchiostomidae; Br
 anchiostoma; Branchiostoma belcheri
 UdeM00000005062 6596 282 UdeM00000005062 XP_045182316.1 41.1 401
 192 6 1 400 392 749 1.30E-72 282 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000005070 8407 79 UdeM00000005070 XP_040214667.1 39.7 121
 53 4 9 127 6 108 5.00E-12 79 8407 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
 a; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Sarc
 opterygii; Dipnotetrapodomorpha; Tetrapoda; Amphibia; Batrachia; Anura; Neobatr
 achia; Ranoidea; Ranidae; Rana; Rana; Rana temporaria
 UdeM00000005071 50429 92.4 UdeM00000005071 XP_022804186.1 29.5 217
 141 5 11 218 393 606 7.50E-16 92.4 50429 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Cnidaria; Anthozoa; Hexa
 corallia; Scleractinia; Astrocoeniina; Pocilloporidae; Stylophora; Stylophora
 pistillata
 UdeM00000005072 7054 85.1 UdeM00000005072 XP_031356742.1 44 84
 47 0 23 106 344 427 6.60E-14 85.1 7054 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Hexapoda; Inse
 cta; Dicondylia; Pterygota; Neoptera; Endopterygota; Coleoptera; Polyphaga; Elat
 eriformia; Elateroidea; Lampyridae; Lampyrinae; Photinus; Photinus pyralis
 UdeM00000005074 225164 105.9 UdeM00000005074 XP_009046685.1 69.6
 69 21 0 27 95 167 235 2.90E-20 105.9 225164
 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidae;
 Lottiidae; Lottia; Lottia gigantea
 UdeM00000005076 6596 121.3 UdeM00000005076 XP_045202346.1 38.8 152
 89 2 6 156 16 164 1.10E-24 121.3 6596 cellular
 organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
 Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
 terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
 a mercenaria
 UdeM00000005077 6596 81.6 UdeM00000005077 XP_045201969.1 39 154
 80 4 1 146 19 166 1.10E-12 81.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005078 6565 67.4 UdeM00000005078 XP_022346097.1 43.2 95
47 3 13 102 103 195 1.50E-08 67.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005079 6596 119.8 UdeM00000005079 XP_045182316.1 27.4 314
131 5 293 509 405 718 1.00E-23 119.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005081 1415580 651 UdeM00000005081 XP_030075314.1 52.6
642 284 4 1 639 1 625 1.60E-183 651 1415580
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000005083 6565 199.5 UdeM00000005083 XP_022306954.1 44.3 212
116 1 1 210 737 948 4.20E-48 199.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000005084 29159 476.9 UdeM00000005084 XP_034322147.1 67.5 326
106 0 1 326 374 699 2.10E-131 476.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005086 29159 137.1 UdeM00000005086 XP_034315421.1 35.7 258
107 5 40 242 221 474 3.00E-29 137.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000005087 6596 181.8 UdeM00000005087 XP_045181000.1 76.1 113
27 0 2 114 868 980 4.90E-43 181.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005088 6596 275.4 UdeM00000005088 XP_045181000.1 66 350
105 3 17 366 1148 1483 1.00E-70 275.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000005089 6596 276.9 UdeM00000005089 XP_045181000.1 65.1 358
111 3 2 359 1140 1483 3.50E-71 276.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005091 6706 152.5 UdeM00000005091 XP_042235765.1 44.6 157
 87 0 1 157 1 157 4.50E-34 152.5 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000005092 6596 69.3 UdeM00000005092 XP_045183837.1 39.4 104
 58 2 46 145 239 341 1.00E-08 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005093 6596 69.3 UdeM00000005093 XP_045183837.1 39.4 104
 58 2 46 145 239 341 9.40E-09 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005095 6596 69.3 UdeM00000005095 XP_045183837.1 39.4 104
 58 2 46 145 239 341 9.30E-09 69.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000005097 6596 70.1 UdeM00000005097 XP_045183837.1 38.5 104
 59 2 46 145 239 341 3.50E-09 70.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041634 6596 330.1 UdeM00000041634 XP_045190580.1 66.4 232
 77 1 1 231 12 243 2.30E-87 330.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041636 6565 256.9 UdeM00000041636 XP_022340942.1 63 192
 69 1 1 192 1 190 2.00E-65 256.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041635 6565 256.5 UdeM00000041635 XP_022340942.1 63 192
 69 1 4 195 1 190 2.70E-65 256.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041637 6565 476.5 UdeM00000041637 XP_022340940.1 41 712
 340 11 6 702 106 752 5.90E-131 476.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041638 6596 1338.9 UdeM00000041638 XP_045188649.1 64.2
 1049 347 8 11 1052 12 1038 0.00E+00 1338.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041639 6565 191.4 UdeM00000041639 XP_022299727.1 49.2 193
 98 0 5 197 83 275 1.20E-45 191.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000041640 6573 340.1 UdeM00000041640 XP_021350804.1 74.2 217
 51 2 5 219 23 236 2.20E-90 340.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041641 6596 330.1 UdeM00000041641 XP_045190426.1 63.4 235
 86 0 8 242 10 244 2.70E-87 330.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041642 6596 335.9 UdeM00000041642 XP_045188497.1 39.5 597
 284 14 7 574 7 555 1.00E-88 335.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041643 6596 240 UdeM00000041643 XP_045188861.1 42.1 337
 176 7 8 335 5 331 4.70E-60 240 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041644 6573 280 UdeM00000041644 XP_021378504.1 41.4 423
 222 6 4 407 3 418 5.10E-72 280 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000041645 6579 283.1 UdeM00000041645 XP_033757139.1 41.5 419
 236 4 4 415 3 419 6.20E-73 283.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041646 6596 214.5 UdeM00000041646 XP_045189893.1 52.2 487
 167 8 1 437 1 471 2.60E-52 214.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041647 7574 263.1 UdeM00000041647 XP_013403126.1 66.8 184
 59 1 1 184 1 182 2.70E-67 263.1 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000041648 7574 226.1 UdeM00000041648 XP_013403126.1 68.7 150
45 1 1 150 35 182 3.00E-56 226.1 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000041649 7574 239.2 UdeM00000041649 XP_013403126.1 61.7 183
68 1 47 229 1 181 5.20E-60 239.2 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000041650 7574 265.8 UdeM00000041650 XP_013403126.1 65.2 184
62 1 20 203 1 182 4.70E-68 265.8 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000041651 6573 845.1 UdeM00000041651 XP_021371660.1 91.7 447
33 2 1 446 2 445 4.00E-242 845.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000041652 6596 843.6 UdeM00000041652 XP_045190275.1 84.8 488
63 4 19 498 9 493 1.30E-241 843.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041653 6526 269.2 UdeM00000041653 XP_013090034.1 52.5 531
212 5 10 514 29 545 1.10E-68 269.2 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeioidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000041655 6596 667.2 UdeM00000041655 XP_045190267.1 51.3 667
285 6 8 671 26 655 2.30E-188 667.2 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041654 6596 673.3 UdeM00000041654 XP_045190267.1 49.4 711
320 6 8 715 26 699 3.40E-190 673.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041656 6596 648.3 UdeM00000041656 XP_045189698.1 49 828
358 17 3 792 2 803 1.30E-182 648.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000041657 6579 573.5 UdeM00000041657 XP_033757456.1 49.7 878
380 17 45 888 819 1668 4.90E-160 573.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041658 6573 515.8 UdeM00000041658 XP_021378649.1 45.8 925
402 19 21 894 793 1669 1.10E-142 515.8 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041659 6596 404.1 UdeM00000041659 XP_045189699.1 52.5 480
197 7 63 529 870 1331 2.90E-109 404.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041660 6596 394.8 UdeM00000041660 XP_045189699.1 53.2 459
189 5 63 513 870 1310 1.70E-106 394.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041661 6573 891.7 UdeM00000041661 XP_021355541.1 73.7 605
131 8 1 582 1 600 4.90E-256 891.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041662 6579 339.3 UdeM00000041662 XP_033731056.1 37.9 512
281 12 7 490 10 512 7.90E-90 339.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041664 1735272 248.1 UdeM00000041664 XP_041372088.1 41.7
321 176 6 12 323 10 328 1.60E-62 248.1 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041663 1735272 403.7 UdeM00000041663 XP_041372088.1 44.2
498 265 8 12 499 10 504 3.50E-109 403.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041666 6596 289.3 UdeM00000041666 XP_045188103.1 60.2 226
82 4 90 312 54 274 6.00E-75 289.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041668 6596 87.8 UdeM00000041668 XP_045188841.1 52.7 93
34 3 58 146 928 1014 1.20E-14 87.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041669 6596 1351.3 UdeM00000041669 XP_045188841.1 72.1
902 243 1 1 893 32 933 0.00E+00 1351.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000041670 1735272 408.3 UdeM00000041670 XP_041372088.1 47
445 224 5 31 473 70 504 1.30E-110 408.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000041671 6579 148.7 UdeM00000041671 XP_033757607.1 51.6 153
70 3 1 151 1 151 7.10E-33 148.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041672 6573 141 UdeM00000041672 XP_021347887.1 45.4 152
80 1 1 152 6 154 1.90E-30 141 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041673 6565 154.5 UdeM00000041673 XP_022346226.1 64.5 110
39 0 1 110 382 491 8.30E-35 154.5 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000041674 134920 175.3 UdeM00000041674 XP_037313809.1 29.6
385 253 8 2 374 3 381 2.30E-40 175.3 134920
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioid
ei;Gasterosteales;Gasterosteidae;Pungitius;Pungitius pungitius

UdeM00000041675 40690 82 UdeM00000041675 XP_034005540.1 40.5 111
64 1 1 109 1 111 1.70E-12 82 40690 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Notothen
ioidei;Nototheniidae;Trematomus;Trematomus bernacchii

UdeM00000041676 106582 179.1 UdeM00000041676 XP_024655482.1 31.4
373 246 5 10 375 11 380 1.50E-41 179.1 106582
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Cichlomorphae;Cichl
iformes;Cichlidae;African

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000017340 29159 99 UdeM00000017340 XP_034334268.1 60.3 68
27 0 23 90 195 262 4.50E-18 99 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017342 29159 95.9 UdeM00000017342 XP_034300213.1 50 86
42 1 7 91 251 336 2.90E-17 95.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017341 8078 202.6 UdeM00000017341 XP_035989950.1 54.5 165
75 0 2 166 14 178 3.90E-49 202.6 8078 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cypriodontiformes;Cyprinodontoidei;Fundulidae;Fundulus;Fundulus heteroclitus

UdeM00000017343 29159 121.3 UdeM00000017343 XP_034334268.1 41.7 139
81 0 1 139 212 350 9.60E-25 121.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017344 29159 156.8 UdeM00000017344 XP_034334268.1 46.2 156
84 0 23 178 195 350 2.60E-35 156.8 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000017345 181472 136.3 UdeM00000017345 XP_029975096.1 52.8
125 59 0 1 125 1 125 2.60E-29 136.3 181472
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomorphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Blenniimorphae;Blenniiformes;Blennioidei;Blenniidae;Salariinae;Salaris;Salaris fasciatus

UdeM00000017346 6596 159.8 UdeM00000017346 XP_045180808.1 32.3 325
192 7 81 400 27 328 7.10E-36 159.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017347 6596 84.3 UdeM00000017347 XP_045157957.1 31.4 188
107 3 48 232 72 240 2.20E-13 84.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000017348 29159 125.9 UdeM00000017348 XP_034334268.1 42.4 139
 80 0 1 139 212 350 3.90E-26 125.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017349 29159 156.4 UdeM00000017349 XP_034334268.1 46.2 156
 84 0 23 178 195 350 3.50E-35 156.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017350 37003 127.5 UdeM00000017350 XP_017289200.1 56.6 113
 49 0 1 113 17 129 1.10E-26 127.5 37003 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Rivulidae;Kryptolebias;Kryptolebias
 marmoratus
 UdeM00000017351 6596 162.9 UdeM00000017351 XP_045180808.1 32.6 325
 191 7 81 400 27 328 8.40E-37 162.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017352 6596 84.3 UdeM00000017352 XP_045157957.1 31.4 188
 107 3 48 232 72 240 2.20E-13 84.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017353 29159 168.7 UdeM00000017353 XP_034334268.1 48.1 156
 81 0 23 178 195 350 6.70E-39 168.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000017354 37003 128.6 UdeM00000017354 XP_017289200.1 57.5 113
 48 0 1 113 17 129 4.90E-27 128.6 37003 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Rivulidae;Kryptolebias;Kryptolebias
 marmoratus
 UdeM00000017355 6596 164.9 UdeM00000017355 XP_045180808.1 33.5 325
 188 8 81 400 27 328 2.20E-37 164.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000017356 6596 75.1 UdeM00000017356 XP_045157957.1 29.8 161
 85 3 2 162 3 135 1.00E-10 75.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040374 1735272 131.7 UdeM00000040374 XP_041375707.1 40.9
186 105 4 1 184 1 183 1.10E-27 131.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040373 6596 464.2 UdeM00000040373 XP_045215344.1 35.4 746
398 15 22 720 59 767 3.20E-127 464.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040375 6596 478 UdeM00000040375 XP_045215344.1 36.7 779
399 17 33 776 50 769 2.30E-131 478 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040376 29159 334.3 UdeM00000040376 XP_034326866.1 39.5 618
239 10 13 577 7 542 5.20E-88 334.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040377 6596 364.4 UdeM00000040377 XP_045215139.1 58.6 290
95 2 1 285 291 560 1.40E-97 364.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040378 6596 574.3 UdeM00000040378 XP_045215139.1 55.9 503
215 4 1 501 560 1057 1.50E-160 574.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040379 6596 789.3 UdeM00000040379 XP_045216272.1 56.1 752
293 9 9 746 430 1158 4.40E-225 789.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040380 6596 647.5 UdeM00000040380 XP_045216272.1 76.4 433
91 3 1 427 1 428 1.20E-182 647.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040381 29159 582 UdeM00000040381 XP_011450497.1 60.2 455
177 4 2 454 1 453 1.40E-162 582 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000040382 6526 328.2 UdeM00000040382 XP_013073365.1 42 490
225 14 1 482 7 445 1.80E-86 328.2 6526 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan
pulmonata; Hygrophila; Lymnaeoida; Planorbidae; Biomphalaria; Biomphalaria
glabrata
UdeM00000040383 29159 210.3 UdeM00000040383 XP_034324494.1 54 202
92 1 12 212 252 453 2.50E-51 210.3 29159 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostr
eida; Ostreoida; Ostreidae; Crassostrea; Crassostrea gigas
UdeM00000040384 1735272 226.1 UdeM00000040384 XP_041370068.1 87.4
135 15 2 1 135 1 133 2.70E-56 226.1 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Pel
tospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000040385 2607531 290 UdeM00000040385 XP_029643651.1 48.2
305 152 2 15 315 45 347 3.60E-75 290 2607531
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Cephalopoda; Coleoidea; Octopodiformes; Oct
opoda; Incirrata; Octopodidae; Octopus; Octopus sinensis
UdeM00000040386 6596 737.6 UdeM00000040386 XP_045156803.1 56.3 620
267 2 11 630 10 625 1.30E-209 737.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000040387 10224 137.5 UdeM00000040387 XP_006824639.1 39.6 182
109 1 3 184 2 182 1.70E-29 137.5 10224 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomi
a; Hemichordata; Enteropneusta; Harrimaniidae; Saccoglossus; Saccoglossus
kowalevskii
UdeM00000040389 6596 604.4 UdeM00000040389 XP_045156803.1 49.7 579
282 2 1 570 47 625 1.50E-169 604.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Eue
terodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenari
a mercenaria
UdeM00000040392 6579 711.8 UdeM00000040392 XP_033751084.1 73.4 474
125 1 1 473 1 474 5.80E-202 711.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000040391 6579 1277.3 UdeM00000040391 XP_033751084.1 63.4
1057 220 6 1 1056 1 891 0.00E+00 1277.3 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;
Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pect
inida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000040393 6596 345.1 UdeM00000040393 XP_045216231.1 43 426
 214 6 1 402 143 563 1.20E-91 345.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040394 6579 81.3 UdeM00000040394 XP_033729333.1 47.5 80
 42 0 1 80 1 80 8.00E-13 81.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040395 6596 349.7 UdeM00000040395 XP_045216230.1 47 419
 208 6 2 411 152 565 5.00E-93 349.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040396 6565 137.9 UdeM00000040396 XP_022334558.1 50.8 122
 59 1 18 139 16 136 1.00E-29 137.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040397 6579 484.2 UdeM00000040397 XP_033729333.1 44.9 573
 300 8 1 563 1 567 2.30E-133 484.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040398 6596 291.6 UdeM00000040398 XP_045216139.1 46 398
 204 8 28 423 441 829 1.70E-75 291.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040399 6596 287 UdeM00000040399 XP_045216139.1 43.4 415
 207 7 28 440 441 829 4.30E-74 287 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040400 1735272 116.7 UdeM00000040400 XP_041367923.1 29.4
 218 120 3 2 185 178 395 3.20E-23 116.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040401 29159 278.9 UdeM00000040401 XP_019926412.2 52 277
 122 2 1 274 1 269 7.10E-72 278.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040402 6596 126.7 UdeM00000040402 XP_045216139.1 35.3 190
 122 1 12 200 13 202 4.10E-26 126.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040403 6596 631.7 UdeM00000040403 XP_045216139.1 42.8 832
 401 17 3 787 6 809 1.30E-177 631.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040404 6596 344 UdeM00000040404 XP_045156533.1 79.6 211
 40 2 1 210 1 209 1.40E-91 344 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040405 6579 290.8 UdeM00000040405 XP_033750691.1 66 206
 68 1 1 206 1 204 1.40E-75 290.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040406 6596 285 UdeM00000040406 XP_045156498.1 47.8 391
 196 5 7 395 6 390 1.40E-73 285 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040407 6579 548.9 UdeM00000040407 XP_033750056.1 54.3 536
 227 6 9 530 5 536 1.70E-152 548.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040408 6579 305.1 UdeM00000040408 XP_033750913.1 34 564
 317 13 10 531 44 594 1.80E-79 305.1 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040409 6596 162.9 UdeM00000040409 XP_045211755.1 42.9 184
 102 2 53 236 35 215 5.00E-37 162.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040410 6596 243.8 UdeM00000040410 XP_045156453.1 75.2 157
 34 2 11 164 11 165 1.50E-61 243.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040411 6500 65.1 UdeM00000040411 XP_012936192.1 40.7 91
 51 2 5 93 3 92 1.20E-07 65.1 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranhia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000040412 6596 200.7 UdeM00000040412 XP_045209870.1 63.6 151
 55 0 1 151 1 151 1.40E-48 200.7 6596 cellular

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
 ideii;Cyprinidae;Cyprininae;Carassius;Carassius auratus
 UdeM00000040422 6565 433 UdeM00000040422 XP_022332442.1 40.8 910
 416 19 1 859 1 838 1.00E-117 433 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040423 6565 372.9 UdeM00000040423 XP_022326108.1 28.8 874
 521 17 125 914 5 861 1.20E-99 372.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040424 6596 286.6 UdeM00000040424 XP_045160385.1 27.3 942
 546 26 276 1181 335 1173 1.50E-73 286.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040426 6596 159.5 UdeM00000040426 XP_045193632.1 26.7 420
 291 12 2 409 23 437 9.40E-36 159.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040427 6596 279.6 UdeM00000040427 XP_045193636.1 45.4 324
 174 3 3 324 126 448 5.10E-72 279.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040428 6596 117.1 UdeM00000040428 XP_045193632.1 53.7 95
 43 1 158 251 9 103 3.40E-23 117.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040429 6596 283.9 UdeM00000040429 XP_045160385.1 26.6 914
 586 20 276 1180 335 1172 9.90E-73 283.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040430 6565 402.5 UdeM00000040430 XP_022325149.1 30.8 829
 531 13 16 810 45 864 1.30E-108 402.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000040432 6596 283.1 UdeM00000040432 XP_045160385.1 26.8 949
 542 23 276 1181 335 1173 1.70E-72 283.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040434 37621 84 UdeM00000040434 XP_014672567.1 36.1 108
 68 1 12 118 411 518 1.60E-13 84 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000040435 6596 805.4 UdeM00000040435 XP_045215747.1 59.9 618
 239 2 1 609 9 626 4.80E-230 805.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040436 6596 808.9 UdeM00000040436 XP_045215747.1 60.6 627
 218 4 1 608 9 625 4.40E-231 808.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040437 6579 147.9 UdeM00000040437 XP_033749422.1 41.3 196
 93 2 44 239 4 177 1.70E-32 147.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040438 1735272 260 UdeM00000040438 XP_041366332.1 46.4
 263 141 0 34 296 138 400 3.90E-66 260 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000040439 6579 573.2 UdeM00000040439 XP_033749455.1 65 429
 149 1 17 444 545 973 3.00E-160 573.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040440 6596 364.8 UdeM00000040440 XP_045156530.1 65.4 272
 90 1 17 288 272 539 1.10E-97 364.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040441 6596 304.3 UdeM00000040441 XP_045156530.1 67.9 215
 69 0 1 215 1 215 1.80E-79 304.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040442 6596 987.6 UdeM00000040442 XP_045216205.1 69.5 751
 215 3 1 749 1 739 8.70E-285 987.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040443 6596 81.6 UdeM00000040443 XP_045189906.1 55.3 76
 34 0 4 79 6 81 6.70E-12 81.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040445 225164 62.8 UdeM00000040445 XP_009048786.1 30.4
 194 105 4 24 217 4 167 6.40E-07 62.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000040446 29159 339 UdeM00000040446 XP_034324725.1 73.3 524
 106 3 36 527 68 589 1.10E-89 339 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000040447 400727 374 UdeM00000040447 XP_025077220.1 50.7
 349 171 1 174 522 84 431 3.10E-100 374 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000040448 6596 258.1 UdeM00000040448 XP_045156770.1 65.7 201
 60 4 66 259 119 317 1.20E-65 258.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040449 6596 933.7 UdeM00000040449 XP_045156770.1 74 742
 159 10 1 730 324 1043 1.40E-268 933.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040450 6596 300.4 UdeM00000040450 XP_045156668.1 39.9 419
 232 11 2 414 3 407 3.50E-78 300.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040451 50429 123.2 UdeM00000040451 XP_022785721.1 51.3 113
 52 1 18 130 494 603 2.40E-25 123.2 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata

UdeM00000040452 37621 83.6 UdeM00000040452 XP_014677757.1 64.1 64
 23 0 1 64 371 434 1.10E-13 83.6 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulid;Priapulid caudatus

UdeM00000040453 29159 63.9 UdeM00000040453 XP_034329356.1 56.7 67
 29 0 90 156 115 181 2.10E-07 63.9 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040454 90988 63.5 UdeM00000040454 XP_039535825.1 61.4 44
17 0 1 44 111 154 1.30E-07 63.5 90988 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniiformes;Cyprino
idei;Leuciscidae;Pogonichthyinae;Pimephales;Pimephales promelas
UdeM00000040455 6596 267.7 UdeM00000040455 XP_045216934.1 63.7 193
70 0 9 201 3 195 1.30E-68 267.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040456 6596 1692.2 UdeM00000040456 XP_045156325.1 70.5
1256 331 10 1 1222 1 1250 0.00E+00 1692.2 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040457 6596 3225.6 UdeM00000040457 XP_045215074.1 56.5
2669 904 25 5 2655 10 2439 0.00E+00 3225.6 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040458 6596 448.4 UdeM00000040458 XP_045215074.1 60.1 363
136 6 1 357 2439 2798 9.00E-123 448.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040459 29159 867.8 UdeM00000040459 XP_011449090.1 80.7 519
90 5 1 517 1 511 6.70E-249 867.8 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040460 1735272 1065.1 UdeM00000040460 XP_041373006.1
60.9 901 307 8 1 857 21 920 5.30E-308 1065.1
1735272 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000040461 6596 813.9 UdeM00000040461 XP_045156557.1 88.1 454
52 1 146 599 101 552 1.30E-232 813.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040462 2607531 956.1 UdeM00000040462 XP_029648340.1 68.7
683 180 5 21 687 241 905 2.50E-275 956.1 2607531

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
opoda;Incirrata;Octopodidae;Octopus;Octopus sinensis
UdeM00000040463 6573 143.3 UdeM00000040463 XP_021360524.1 63.8 105
38 0 1 105 27 131 1.90E-31 143.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000040464 6579 1174.5 UdeM00000040464 XP_033749377.1 67.1
870 236 11 1 850 1 840 0.00E+00 1174.5 6579
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040465 6596 246.5 UdeM00000040465 XP_045216404.1 60.7 191
75 0 8 198 9 199 2.90E-62 246.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040466 6596 240.4 UdeM00000040466 XP_045216404.1 58.8 199
74 2 8 206 9 199 2.20E-60 240.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040467 6596 98.6 UdeM00000040467 XP_045216405.1 34 206
101 5 370 541 102 306 2.60E-17 98.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040468 6596 536.2 UdeM00000040468 XP_045216394.1 50.8 549
219 7 3 502 1 547 4.50E-149 536.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040470 6596 174.9 UdeM00000040470 XP_045215336.1 33.2 473
253 16 16 451 3 449 2.40E-40 174.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000040471 29159 222.6 UdeM00000040471 XP_011442056.1 35.6 464
220 13 2 449 7 407 1.00E-54 222.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000040472 6573 60.8 UdeM00000040472 XP_021377173.1 34.9 86
55 1 1 86 5 89 2.40E-06 60.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000040474 6573 711.1 UdeM00000040474 XP_021360545.1 25.1 4451
2652 140 2 4092 3 4129 8.30E-201 711.1 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000040475 1735272 324.7 UdeM00000040475 XP_041361384.1 56.3
270 118 0 13 282 39 308 1.20E-85 324.7 1735272
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis
UdeM00000040476 6596 502.7 UdeM00000040476 XP_045166723.1 38.1 776
337 6 5 645 16 783 7.10E-139 502.7 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000040478 6573 86.7 UdeM00000040478 XP_021357585.1 62.7 59
22 0 4 62 3 61 1.20E-14 86.7 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000040479 6596 668.3 UdeM00000040479 XP_045166723.1 44.8 779
416 5 5 780 16 783 1.20E-188 668.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000040480 6596 256.9 UdeM00000040480 XP_045216161.1 71.9 167
47 0 1 167 54 220 1.80E-65 256.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000040481 6579 1445.3 UdeM00000040481 XP_033739131.1 53.9
1307 585 8 22 1324 78 1370 0.00E+00 1445.3 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus
UdeM00000040482 6596 644.4 UdeM00000040482 XP_045166723.1 44.1 774
416 6 5 766 16 784 1.80E-181 644.4 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000040483 72036 226.5 UdeM00000040483 XP_040576246.1 42.8 271
120 4 2 237 191 461 3.60E-56 226.5 72036 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Panarthropoda; Arthropoda; Mandibulata; Pancrustacea; Crustacea; Multicrustacea; Hexanauplia; Copepoda; Neocopepoda; Podoplea; Siphonostomatoida; Caligidae; Lepeophtheirus; Lepeophtheirus salmonis

UdeM00000040484 6596 192.6 UdeM00000040484 XP_045216161.1 60.5 167
 40 1 1 141 54 220 3.50E-46 192.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040485 7574 205.7 UdeM00000040485 XP_023932024.1 42.1 297
 155 9 2 292 205 490 8.80E-50 205.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000040486 2652724 129.8 UdeM00000040486 XP_020911962.1 44.1
 145 80 1 28 172 152 295 3.80E-27 129.8 2652724
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000040487 6596 636.3 UdeM00000040487 XP_045166723.1 43.9 782
 423 8 5 783 16 784 5.00E-179 636.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040488 7668 73.2 UdeM00000040488 XP_030847066.1 43.5 85
 44 2 7 89 446 528 2.30E-10 73.2 7668 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Camarodonta;Echinidea;Strongylocentrotidae;Strongylocentrotus;Strongyloce
 ntrotus purpuratus

UdeM00000040489 2448451 96.7 UdeM00000040489 XP_031837757.1 35.5
 172 80 4 46 203 2 156 3.80E-17 96.7 2448451
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Acul
 eata;Apoidea;Halictidae;Nomiinae;Nomia;Acunomia;Nomia melanderi

UdeM00000040490 6596 143.7 UdeM00000040490 XP_045166723.1 51.4 146
 65 2 5 148 16 157 1.90E-31 143.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040491 6596 90.5 UdeM00000040491 XP_045166723.1 44.5 110
 59 1 1 108 425 534 1.90E-15 90.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040494 6596 163.3 UdeM00000040494 XP_045166723.1 34.5 316
 98 6 8 219 19 329 3.60E-37 163.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000040495 6596 122.1 UdeM00000040495 XP_045166723.1 50 126
 62 1 1 126 660 784 5.20E-25 122.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040496 6596 637.9 UdeM00000040496 XP_045166723.1 43.9 777
 417 7 8 776 19 784 1.70E-179 637.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040497 6596 201.8 UdeM00000040497 XP_045216161.1 68.4 133
 42 0 1 133 67 199 5.40E-49 201.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040498 6579 1437.9 UdeM00000040498 XP_033739131.1 53.7
 1307 587 8 22 1324 78 1370 0.00E+00 1437.9 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000040499 29159 107.5 UdeM00000040499 XP_034312908.1 38.3 154
 92 2 1 153 472 623 1.60E-20 107.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040500 29159 136.3 UdeM00000040500 XP_034312908.1 30.5 338
 179 15 9 328 6 305 7.70E-29 136.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040501 29159 73.6 UdeM00000040501 XP_034307878.1 32.3 99
 67 0 1 99 92 190 4.90E-10 73.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000040503 6596 99.8 UdeM00000040503 XP_045166723.1 55.7 97
 41 1 5 99 16 112 2.60E-18 99.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040504 6596 172.9 UdeM00000040504 XP_045166723.1 31.8 359
 134 2 1 248 425 783 5.00E-40 172.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040506 6596 171.4 UdeM00000040506 XP_045216699.1 64.2 120
 43 0 6 125 15 134 1.20E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040507 6596 703.4 UdeM00000040507 XP_045166723.1 45.7 781
410 5 5 782 16 785 3.30E-199 703.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040508 6596 270 UdeM00000040508 XP_045216161.1 70.5 176
52 0 18 193 45 220 2.30E-69 270 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040509 6596 287.7 UdeM00000040509 XP_045215233.1 55.6 277
83 4 28 301 791 1030 1.70E-74 287.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040510 6596 189.1 UdeM00000040510 XP_045215233.1 62.2 143
54 0 12 154 645 787 5.10E-45 189.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040511 6596 935.3 UdeM00000040511 XP_045215233.1 70.1 665
182 2 1 665 1 648 4.40E-269 935.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040512 6596 604 UdeM00000040512 XP_045216609.1 47.8 751
327 14 15 728 12 734 2.50E-169 604 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040513 7962 274.6 UdeM00000040513 XP_042617353.1 32.8 528
331 9 122 641 11 522 3.30E-70 274.6 7962 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Ostariophysi;Otophysi;Cypriniphysae;Cypriniformes;Cyprinidae;Cyprininae;Cyprinus;Cyprinus carpio

UdeM00000040514 6565 354.4 UdeM00000040514 XP_022316307.1 38.1 570
322 10 1 550 5 563 2.90E-94 354.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040515 6596 293.1 UdeM00000040515 XP_045156616.1 58.6 249
99 3 1 249 1 245 3.30E-76 293.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040516 6596 748.4 UdeM00000040516 XP_045156609.1 48.1 781
371 10 1 752 1 776 8.80E-213 748.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040517 6596 747.3 UdeM00000040517 XP_045156610.1 46.5 808
395 8 1 800 1 779 2.10E-212 747.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040518 6596 3155.9 UdeM00000040518 XP_045216970.1 70.2
2349 636 21 2 2300 7 2341 0.00E+00 3155.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040519 6579 348.6 UdeM00000040519 XP_033749479.1 57.1 550
226 8 46 588 56 602 1.60E-92 348.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040520 6596 167.5 UdeM00000040520 XP_045216699.1 52.3 172
46 2 1 136 1 172 7.50E-38 167.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040523 6596 258.5 UdeM00000040523 XP_045156311.1 62.1 195
72 1 3 197 5 197 1.80E-65 258.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040524 6596 201.4 UdeM00000040524 XP_045215538.1 59.7 159
62 1 3 161 5 161 8.50E-49 201.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040525 1735272 185.7 UdeM00000040525 XP_041376517.1 30.5
305 207 2 140 439 254 558 1.30E-43 185.7 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000040526 6596 368.2 UdeM00000040526 XP_045156419.1 52.9 435
180 13 9 426 8 434 1.60E-98 368.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040527 6596 372.5 UdeM00000040527 XP_045156419.1 52.9 435
181 12 9 427 8 434 8.60E-100 372.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040528 6573 369.4 UdeM00000040528 XP_021368435.1 51.4 622
258 9 27 619 2515 3121 9.20E-99 369.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040529 6596 1041.6 UdeM00000040529 XP_045215127.1 52.9
889 391 9 2 869 1757 2638 6.50E-301 1041.6 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000040530 6573 482.3 UdeM00000040530 XP_021368435.1 41.9 534
305 5 6 538 1113 1642 8.40E-133 482.3 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040531 6573 342 UdeM00000040531 XP_021368435.1 46.6 326
165 6 1 325 788 1105 8.30E-91 342 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000040532 6579 439.5 UdeM00000040532 XP_033749618.1 40.7 570
289 16 27 579 28 565 6.70E-120 439.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000040533 6565 254.6 UdeM00000040533 XP_022310595.1 49.6 250
122 2 23 268 52 301 1.60E-64 254.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040534 6565 248.4 UdeM00000040534 XP_022343539.1 48.8 250
124 2 23 268 45 294 1.10E-62 248.4 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040536 6565 217.2 UdeM00000040536 XP_022329081.1 43.5 239
129 4 5 241 5 239 2.30E-53 217.2 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000040537 6565 326.6 UdeM00000040537 XP_022329080.1 60.9 243
91 2 1 243 3 241 2.60E-86 326.6 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040538 6579 574.7 UdeM00000040538 XP_033749156.1 68.9 421
117 4 22 437 2 413 1.00E-160 574.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000040540 6565 182.2 UdeM00000040540 XP_022310595.1 37.9 256
149 4 24 274 53 303 1.10E-42 182.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040541 6565 397.9 UdeM00000040541 XP_022343539.1 40.4 547
300 9 25 558 47 580 2.10E-107 397.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000040542 6573 881.7 UdeM00000040542 XP_021377155.1 65.5 647
221 2 1 647 1 645 5.70E-253 881.7 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034724 6565 131 UdeM00000034724 XP_022310300.1 67.4 86
20 1 74 159 75 152 1.50E-27 131 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034725 29159 95.9 UdeM00000034725 XP_034337431.1 56.6 76
33 0 1 76 1450 1525 2.40E-17 95.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034726 6579 263.8 UdeM00000034726 XP_033755819.1 41.8 371
184 6 1 351 1127 1485 3.00E-67 263.8 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034727 6579 89 UdeM00000034727 XP_033755819.1 30.5 213
116 6 1 193 1127 1327 8.00E-15 89 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034728 6565 599 UdeM00000034728 XP_022320668.1 44.9 762
340 16 11 724 5 734 8.20E-168 599 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034729 6596 674.5 UdeM00000034729 XP_045190027.1 44.6 823
414 8 7 807 76 878 1.80E-190 674.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000034730 6565 92.4 UdeM00000034730 XP_022327962.1 58.2 79
 31 1 9 85 639 717 3.00E-16 92.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034731 6596 315.8 UdeM00000034731 XP_045190029.1 50.3 318
 152 3 50 365 29 342 7.10E-83 315.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034732 6596 305.8 UdeM00000034732 XP_045190029.1 52.5 301
 137 3 50 348 29 325 7.30E-80 305.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034733 6573 419.1 UdeM00000034733 XP_021355618.1 50.6 431
 193 5 1 412 4 433 6.90E-114 419.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034734 29159 221.1 UdeM00000034734 XP_011456725.1 51.8 218
 81 5 2 198 12 226 1.30E-54 221.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034735 6596 429.1 UdeM00000034735 XP_045190533.1 81.2 260
 49 0 71 330 12 271 5.30E-117 429.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034736 37653 260.8 UdeM00000034736 XP_014775290.1 32.1 788
 372 21 1 641 93 864 4.70E-66 260.8 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000034737 29159 432.6 UdeM00000034737 XP_034329436.1 30 1282
 710 48 127 1274 112 1340 1.80E-117 432.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034738 29159 432.6 UdeM00000034738 XP_034329436.1 30 1282
 710 48 74 1221 112 1340 1.70E-117 432.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034741 6596 137.5 UdeM00000034741 XP_045190401.1 42.9 205
 97 6 31 225 56 250 2.10E-29 137.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000034743 6596 695.7 UdeM00000034743 XP_045190401.1 62.7 571
 197 6 1 561 1 565 5.00E-197 695.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034744 6596 1157.1 UdeM00000034744 XP_045189797.1 61.3
 979 356 5 1 968 1 967 0.00E+00 1157.1 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034745 6596 409.1 UdeM00000034745 XP_045189794.1 60.2 364
 137 4 5 366 964 1321 7.20E-111 409.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034746 6565 357.8 UdeM00000034746 XP_022342270.1 64.3 258
 92 0 3 260 6 263 1.10E-95 357.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034747 6565 475.3 UdeM00000034747 XP_022339651.1 74 289
 75 0 1 289 1 289 5.50E-131 475.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034748 6596 352.1 UdeM00000034748 XP_045188674.1 59 295
 118 2 1 293 51 344 7.90E-94 352.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034749 6596 376.7 UdeM00000034749 XP_045188674.1 57.3 328
 137 2 5 330 18 344 3.30E-101 376.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034750 6573 173.7 UdeM00000034750 XP_021378602.1 55.5 155
 68 1 7 160 6 160 1.90E-40 173.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034752 6596 797.3 UdeM00000034752 XP_045189307.1 45.3 1021
 486 16 8 1017 144 1103 2.20E-227 797.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034753 6573 311.2 UdeM00000034753 XP_021354732.1 46.2 301
 153 3 126 424 65 358 2.00E-81 311.2 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034754 6573 311.2 UdeM00000034754 XP_021354732.1 46.2 301
153 3 123 421 65 358 2.00E-81 311.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034755 6573 311.2 UdeM00000034755 XP_021354732.1 46.2 301
153 3 113 411 65 358 1.90E-81 311.2 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000034756 6579 319.7 UdeM00000034756 XP_033751112.1 48.4 287
144 2 69 353 76 360 4.70E-84 319.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034757 1735272 169.9 UdeM00000034757 XP_041364971.1 38.7
248 141 5 59 298 83 327 5.30E-39 169.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000034758 6579 162.9 UdeM00000034758 XP_033751112.1 35.9 262
151 6 56 308 76 329 6.40E-37 162.9 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034759 6565 629.8 UdeM00000034759 XP_022339935.1 72.2 403
112 0 1 403 1 403 2.50E-177 629.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034760 29159 118.2 UdeM00000034760 XP_011439667.2 31.7 306
157 8 1 304 4 259 1.80E-23 118.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
eida;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000034761 6579 91.7 UdeM00000034761 XP_033756460.1 29.2 236
107 5 1 234 17 194 1.70E-15 91.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034762 6596 694.5 UdeM00000034762 XP_045189169.1 39.9 1918
872 50 953 2747 3 1763 5.40E-196 694.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000034763 6596 845.5 UdeM00000034763 XP_045189720.1 71.8 586
158 4 1 580 1 585 4.00E-242 845.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034764 6596 407.9 UdeM00000034764 XP_045189721.1 58.7 329
 133 3 1 327 1 328 1.20E-110 407.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034765 6596 267.7 UdeM00000034765 XP_045215232.1 51.6 285
 129 5 157 439 206 483 8.30E-68 267.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034766 6596 102.8 UdeM00000034766 XP_045208737.1 42.8 159
 81 6 173 326 320 473 8.90E-19 102.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034767 6596 171.4 UdeM00000034767 XP_045208737.1 29.5 492
 305 18 2 470 41 513 7.00E-39 171.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034768 6596 167.2 UdeM00000034768 XP_045208737.1 29.3 492
 306 18 2 470 41 513 1.30E-37 167.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034769 6596 112.5 UdeM00000034769 XP_045208737.1 27.2 482
 281 20 2 426 41 509 1.50E-21 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034770 6596 146.7 UdeM00000034770 XP_045208737.1 28.5 505
 289 20 2 470 41 509 8.10E-32 146.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034771 7574 109.8 UdeM00000034771 XP_013388021.1 30.1 329
 185 10 145 434 227 549 1.00E-20 109.8 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000034772 6579 137.9 UdeM00000034772 XP_033744293.1 29.8 326
 183 6 135 415 90 414 3.40E-29 137.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034775 6579 143.7 UdeM00000034775 XP_033744293.1 27.2 438
 244 12 116 506 5 414 7.30E-31 143.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034776 6579 158.7 UdeM00000034776 XP_033744293.1 32.2 329
 202 7 135 446 90 414 2.00E-35 158.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034777 481459 67 UdeM00000034777 XP_040016701.1 28.4
 134 91 3 333 463 360 491 8.00E-08 67 481459
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioid
 ei;Gasterosteales;Gasterosteidae;Gasterosteus;Gasterosteus
 aculeatus;Gasterosteus aculeatus aculeatus
 UdeM00000034778 7574 74.7 UdeM00000034778 XP_013416242.1 24.6 293
 148 8 243 463 184 475 3.80E-10 74.7 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000034779 481459 67 UdeM00000034779 XP_040016701.1 28.4
 134 91 3 260 390 360 491 6.80E-08 67 481459
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Eupercaria;Perciformes;Cottioid
 ei;Gasterosteales;Gasterosteidae;Gasterosteus;Gasterosteus
 aculeatus;Gasterosteus aculeatus aculeatus
 UdeM00000034780 6596 169.9 UdeM00000034780 XP_045208737.1 29.4 507
 286 22 121 591 46 516 1.10E-38 169.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034781 6596 266.2 UdeM00000034781 XP_045170871.1 50.2 267
 121 4 93 356 36 293 6.30E-68 266.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034782 6579 110.5 UdeM00000034782 XP_033744347.1 26.8 456
 267 18 12 412 4 447 5.00E-21 110.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034783 6596 248.4 UdeM00000034783 XP_045189601.1 42.1 342
 188 4 14 345 41 382 1.40E-62 248.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034784 6596 564.3 UdeM00000034784 XP_045190441.1 44.8 643
333 10 38 669 49 680 2.10E-157 564.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034785 6565 694.1 UdeM00000034785 XP_022343234.1 63.1 518
187 2 1 518 1 514 1.30E-196 694.1 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034786 6565 139.8 UdeM00000034786 XP_022287659.1 39.9 148
89 0 14 161 131 278 3.70E-30 139.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000034787 29159 489.6 UdeM00000034787 XP_034330259.1 39 706
339 13 5 630 7 700 7.10E-135 489.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034788 7574 162.2 UdeM00000034788 XP_023932024.1 37.6 255
145 6 39 290 224 467 1.10E-36 162.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000034789 7574 171.8 UdeM00000034789 XP_023932024.1 38.3 274
154 7 2 271 205 467 1.30E-39 171.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000034790 6596 189.5 UdeM00000034790 XP_045183440.1 41.4 239
95 2 2 198 145 380 6.00E-45 189.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034791 6596 67.4 UdeM00000034791 XP_045202346.1 36.9 103
61 2 6 107 16 115 1.30E-08 67.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034792 6579 175.6 UdeM00000034792 XP_033741736.1 52.6 171
79 1 1 169 671 841 5.60E-41 175.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034793 6596 870.9 UdeM00000034793 XP_045205473.1 46.8 1012
502 22 47 1041 23 1015 1.70E-249 870.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034794 6596 335.9 UdeM00000034794 XP_045190971.1 60 260
104 0 1 260 1 260 6.00E-89 335.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034795 37653 229.9 UdeM00000034795 XP_014777784.1 33.2 497
271 14 131 606 138 594 8.40E-57 229.9 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides

UdeM00000034796 6596 133.3 UdeM00000034796 XP_045190602.1 32.3 201
135 1 314 513 316 516 1.20E-27 133.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034797 50390 144.4 UdeM00000034797 XP_028135914.1 46.1 152
80 2 5 156 208 357 1.20E-31 144.4 50390 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Chrysomeloidea;Chrysomelidae;Galerucinae;Luperini;Diabroticina;Diabroticites;Diabrotica;Diabrotica virgifera;Diabrotica virgifera virgifera

UdeM00000034798 29159 69.3 UdeM00000034798 XP_034322555.1 32 181
110 6 1 171 1 178 5.80E-09 69.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034799 6596 299.3 UdeM00000034799 XP_045190408.1 55.1 265
107 3 1 265 5 257 6.10E-78 299.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034801 6596 276.2 UdeM00000034801 XP_045190410.1 68 228
52 8 1 223 1 212 3.90E-71 276.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034800 6596 346.3 UdeM00000034800 XP_045190410.1 67 288
74 8 1 283 1 272 3.70E-92 346.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034802 6596 303.9 UdeM00000034802 XP_045190410.1 62.2 275
90 7 1 273 1 263 2.00E-79 303.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034803 6596 225.7 UdeM00000034803 XP_045190002.1 55.6 169
74 1 34 202 26 193 5.30E-56 225.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034804 6596 225.3 UdeM00000034804 XP_045190002.1 55.6 169
74 1 19 187 26 193 6.40E-56 225.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034805 6596 276.2 UdeM00000034805 XP_045190000.1 64.6 195
67 1 2 196 3 195 3.30E-71 276.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034806 6596 281.6 UdeM00000034806 XP_045190012.1 73.4 173
46 0 13 185 15 187 7.50E-73 281.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034807 6596 278.9 UdeM00000034807 XP_045190012.1 72.1 172
48 0 24 195 15 186 5.10E-72 278.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034808 6573 369.4 UdeM00000034808 XP_021348625.1 51 392
168 5 3 393 6 374 6.10E-99 369.4 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000034809 6596 577 UdeM00000034809 XP_045188457.1 59.5 494
166 4 1 461 1 493 2.10E-161 577 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034810 6596 168.7 UdeM00000034810 XP_045190687.1 29 435
265 13 5 406 18 441 1.60E-38 168.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034811 6596 168.7 UdeM00000034811 XP_045190687.1 29 435
265 13 22 423 18 441 1.60E-38 168.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034812 6596 252.7 UdeM00000034812 XP_045190059.1 67.2 195
47 4 2 179 98 292 3.60E-64 252.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034813 6596 417.5 UdeM00000034813 XP_045190059.1 70.5 292
69 4 1 275 1 292 1.30E-113 417.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034814 6596 256.9 UdeM00000034814 XP_045190015.1 60.7 191
75 0 39 229 1 191 2.60E-65 256.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034815 6596 256.5 UdeM00000034815 XP_045190015.1 62.4 186
70 0 39 224 1 186 3.40E-65 256.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034816 225164 205.7 UdeM00000034816 XP_009052503.1 58.2
182 70 2 2 177 4 185 5.80E-50 205.7 225164

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiidae;Lottia;Lottia gigantea

UdeM00000034818 8496 178.3 UdeM00000034818 XP_006267143.1 50.6 164
81 0 2 165 40 203 8.00E-42 178.3 8496 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Archelosauria;Archosauria;Crocodylia;Alligatoridae;Alligatorinae;Alligator;Alligator mississippiensis

UdeM00000034819 6596 144.1 UdeM00000034819 XP_045190015.1 46.7 135
72 0 6 140 4 138 1.50E-31 144.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034820 6579 277.7 UdeM00000034820 XP_033762218.1 52.5 240
112 2 2 241 3 240 1.40E-71 277.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034821 1735272 121.3 UdeM00000034821 XP_041376276.1 42.8
152 85 2 3 152 799 950 1.20E-24 121.3 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000034822 1735272 121.3 UdeM00000034822 XP_041376276.1 42.8
152 85 2 3 152 799 950 1.20E-24 121.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000034823 6596 114.8 UdeM00000034823 XP_045191093.1 36.5 192
101 3 18 189 110 300 1.20E-22 114.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034824 6596 119.8 UdeM00000034824 XP_045191093.1 37.1 197
103 3 29 205 105 300 4.20E-24 119.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034826 29159 372.5 UdeM00000034826 XP_011442152.2 53.7 724
263 14 11 717 1 669 1.20E-99 372.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034827 6596 235.3 UdeM00000034827 XP_045189837.1 47.3 277
128 3 1 264 1 272 8.70E-59 235.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034828 6579 114.4 UdeM00000034828 XP_033737743.1 22.3 901
581 31 34 867 99 947 7.30E-22 114.4 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034829 6579 100.9 UdeM00000034829 XP_033737743.1 21.8 912
603 28 9 861 87 947 8.30E-18 100.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034830 6596 681.8 UdeM00000034830 XP_045189123.1 58.6 621
228 9 1 601 1 612 7.90E-193 681.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034831 29159 565.1 UdeM00000034831 XP_011440730.1 54.5 545
242 4 1 541 1 543 1.10E-157 565.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034832 1735272 67.4 UdeM00000034832 XP_041369521.1 39.2
 120 51 5 26 133 37 146 1.60E-08 67.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000034833 6579 62.8 UdeM00000034833 XP_033752164.1 29.3 157
 84 4 64 204 313 458 6.00E-07 62.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034834 6596 145.6 UdeM00000034834 XP_045191021.1 33.8 299
 160 7 14 286 12 298 9.80E-32 145.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034835 6596 402.1 UdeM00000034835 XP_045189258.1 51.4 350
 160 2 24 367 37 382 8.20E-109 402.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034838 63436 89.7 UdeM00000034838 XP_043485121.1 32.2 143
 85 2 135 270 160 297 6.40E-15 89.7 63436 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Hymenoptera;Apocrita;Para
 sitoida;Cynipoidea;Figitidae;Eucoilinae;Leptopilina;Leptopilina
 heterotoma
 UdeM00000034839 6596 594.3 UdeM00000034839 XP_045189258.1 58.4 498
 195 5 11 498 17 512 1.40E-166 594.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034841 6596 1336.6 UdeM00000034841 XP_045189254.1 62.8
 1244 429 16 3 1220 4 1239 0.00E+00 1336.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034842 6565 504.6 UdeM00000034842 XP_022288627.1 66.3 335
 111 1 12 346 3 335 1.00E-139 504.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034843 6579 549.3 UdeM00000034843 XP_033756633.1 73.2 328
 85 2 1 326 3 329 3.50E-153 549.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000034844 1735272 556.2 UdeM00000034844 XP_041370814.1 44.1
 667 359 7 11 670 53 712 5.60E-155 556.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000034845 1735272 556.2 UdeM00000034845 XP_041370814.1 44.1
 667 359 7 32 691 53 712 5.80E-155 556.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000034846 6596 703.7 UdeM00000034846 XP_045189002.1 68.2 591
 173 5 1 589 1 578 1.90E-199 703.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034847 6596 701.4 UdeM00000034847 XP_045189002.1 69.1 592
 167 5 1 590 1 578 9.50E-199 701.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034849 6579 102.8 UdeM00000034849 XP_033757273.1 76.1 67
 16 0 1 67 693 759 2.60E-19 102.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034850 37653 494.6 UdeM00000034850 XP_014769753.1 55.8 665
 279 3 12 674 107 758 2.10E-136 494.6 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000034851 1735272 237.3 UdeM00000034851 XP_041368732.1 72.7
 154 42 0 1 154 1 154 1.30E-59 237.3 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000034852 29159 631.7 UdeM00000034852 XP_034328603.1 71.2 569
 154 3 28 593 34 595 9.30E-178 631.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034853 6565 281.6 UdeM00000034853 XP_022323235.1 67.7 192
 61 1 538 728 42 233 2.90E-72 281.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000034854 6596 68.6 UdeM00000034854 XP_045189001.1 67.4 46
 15 0 44 89 1 46 5.60E-09 68.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034855 6596 256.5 UdeM00000034855 XP_045190369.1 43.9 415
 195 15 251 652 49 438 8.90E-65 256.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034856 6596 251.9 UdeM00000034856 XP_045190369.1 44.5 391
 180 14 6 383 72 438 1.30E-63 251.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034857 6596 859.4 UdeM00000034857 XP_045188500.1 59.7 759
 278 9 32 783 32 769 3.90E-246 859.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034858 6573 187.6 UdeM00000034858 XP_021378385.1 43.5 271
 134 8 2 271 547 799 2.40E-44 187.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034859 38626 62 UdeM00000034859 XP_020833278.1 52.5 59
 28 0 1 59 1 59 6.60E-07 62 38626 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarc
 opterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Mammalia;Theria;Metather
 ia;Diprotodontia;Phascolarctidae;Phascolarctos;Phascolarctos cinereus
 UdeM00000034860 6596 307.8 UdeM00000034860 XP_045171013.1 51.5 303
 141 3 110 410 103 401 2.20E-80 307.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034861 6596 915.6 UdeM00000034861 XP_045158029.1 38.7 1343
 752 19 8 1322 479 1778 7.30E-263 915.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034862 6573 582 UdeM00000034862 XP_021363980.1 63.7 443
 154 2 1 438 1 441 6.20E-163 582 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034863 29159 950.3 UdeM00000034863 XP_011451723.2 59.7 846
 321 9 1 832 29 868 1.70E-273 950.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034865 6596 256.9 UdeM00000034865 XP_045188202.1 36.7 711
 428 5 11 700 454 1163 7.90E-65 256.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034866 6596 102.4 UdeM00000034866 XP_045188202.1 39.7 136
 82 0 35 170 292 427 5.70E-19 102.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034867 6596 100.1 UdeM00000034867 XP_045188202.1 32.9 207
 131 3 54 252 79 285 4.30E-18 100.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034868 6596 93.2 UdeM00000034868 XP_045215232.1 27.5 346
 192 12 4 323 7 319 6.50E-16 93.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034869 6596 107.1 UdeM00000034869 XP_045190368.1 45.1 173
 95 0 212 384 204 376 1.20E-19 107.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034871 6596 353.2 UdeM00000034871 XP_045190804.1 82.7 208
 36 0 9 216 10 217 2.30E-94 353.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000034873 29159 285.8 UdeM00000034873 XP_034330315.1 93.3 149
 10 0 1 149 68 216 3.20E-74 285.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034872 6573 379.8 UdeM00000034872 XP_021359641.1 85.3 211
 31 0 6 216 19 229 2.30E-102 379.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000034874 6579 490.3 UdeM00000034874 XP_033754635.1 66.5 415
 109 5 9 422 2 387 3.70E-135 490.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000034876 6596 852.4 UdeM00000034876 XP_045188202.1 51.6 1105
 506 10 84 1166 110 1207 7.10E-244 852.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034877 6596 536.2 UdeM00000034877 XP_045190406.1 42.1 699
309 10 1 697 8 612 6.30E-149 536.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034878 6596 448.4 UdeM00000034878 XP_045188090.1 32.3 1317
622 49 7 1183 155 1342 2.90E-122 448.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034879 6596 134.4 UdeM00000034879 XP_045188090.1 50 162
68 4 1 162 6 154 1.30E-28 134.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034880 400727 877.5 UdeM00000034880 XP_025095725.1 51.7
936 338 7 38 969 23 848 1.60E-251 877.5 400727

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000034881 6596 120.6 UdeM00000034881 XP_045180427.1 45.5 178
92 4 12 186 98 273 2.30E-24 120.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034882 7741 174.9 UdeM00000034882 XP_019634412.1 51.5 163
75 2 141 299 682 844 1.60E-40 174.9 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000034883 6596 442.2 UdeM00000034883 XP_045189280.1 37 756
433 16 340 1087 363 1083 1.90E-120 442.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034932 6596 355.1 UdeM00000034932 XP_045202374.1 45.4 463
197 4 21 428 24 485 1.20E-94 355.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000034937 6573 404.1 UdeM00000034937 XP_021371940.1 43.5 584
259 11 1 522 62 636 2.80E-109 404.1 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000034938 6573 414.5 UdeM00000034938 XP_021371940.1 43 584
293 10 1 553 62 636 2.20E-112 414.5 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000034939 6573 415.2 UdeM00000034939 XP_021371940.1 43.2 581
293 10 1 550 62 636 1.30E-112 415.2 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis
UdeM00000034940 6565 107.8 UdeM00000034940 XP_022342298.1 55.2 87
39 0 2 88 407 493 7.90E-21 107.8 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034941 6565 202.2 UdeM00000034941 XP_022286598.1 44 273
116 5 1 247 1 262 8.10E-49 202.2 6565 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostracida; Ostreidae; Crassostrea; Crassostrea virginica
UdeM00000034944 63155 102.4 UdeM00000034944 XP_030581324.1 30.2 275
171 4 1 256 359 631 1.40E-18 102.4 63155 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthomorphata; Euacanthomorphacea; Percomorphaceae; Ovalentaria; Cichlomorphae; Cichliformes; Cichlidae; New World
cichlids; Cichlasomatinae; Heroini; Archocentrus; Archocentrus centrarchus
UdeM00000034949 6596 245 UdeM00000034949 XP_045204261.1 39.3 313
167 7 21 327 12 307 1.40E-61 245 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000034950 6596 135.6 UdeM00000034950 XP_045215305.1 24.1 561
345 21 120 656 118 621 2.40E-28 135.6 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000034951 6596 361.3 UdeM00000034951 XP_045197494.1 29.7 913
554 26 68 952 97 949 3.80E-96 361.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria
UdeM00000034952 6579 1334.7 UdeM00000034952 XP_033756621.1 89.3
732 71 1 1 732 1 725 0.00E+00 1334.7 6579
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000034953 6596 837.4 UdeM00000034953 XP_045190668.1 77.2 553
125 1 4 556 3 554 1.00E-239 837.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000034961 6596 178.3 UdeM00000034961 XP_045189541.1 41.2 240
124 5 1 225 1 238 1.10E-41 178.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000034960 6596 446.8 UdeM00000034960 XP_045189541.1 36.8 721
304 10 1 691 1 599 5.00E-122 446.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000034962 6596 343.6 UdeM00000034962 XP_045188724.1 49.9 343
145 4 1 323 1 336 2.90E-91 343.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000034963 1735272 135.2 UdeM00000034963 XP_041370474.1 40.4
193 110 2 27 215 33 224 1.00E-28 135.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000034964 6596 694.1 UdeM00000034964 XP_045190319.1 71.6 465
131 1 1 465 1 464 1.30E-196 694.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000034965 6565 899.8 UdeM00000034965 XP_022344950.1 55.1 771
341 5 56 824 69 836 2.50E-258 899.8 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000034966 6596 494.6 UdeM00000034966 XP_045189492.1 54.1 416
179 5 25 430 24 437 1.40E-136 494.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000034968 29159 73.9 UdeM00000034968 XP_034307341.1 38.6 88
54 0 3 90 5 92 1.70E-10 73.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000034969 29159 92 UdeM00000034969 XP_034307341.1 39.8 118
 63 2 9 118 230 347 8.80E-16 92 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000034970 6596 142.1 UdeM00000034970 XP_045187824.1 49.3 146
 73 1 8 152 6 151 8.00E-31 142.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019767 6596 384.8 UdeM00000019767 XP_045216232.1 60 548
 97 7 1 434 1 540 1.60E-103 384.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019768 6596 79.7 UdeM00000019768 XP_045216232.1 71.9 57
 12 2 1 57 199 251 4.80E-12 79.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019770 1735272 2055 UdeM00000019770 XP_041370836.1 83.8
 1237 157 8 1 1198 357 1588 0.00E+00 2055 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019772 6596 314.7 UdeM00000019772 XP_045156457.1 39.5 428
 216 5 17 440 15 403 1.90E-82 314.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019773 6596 292.7 UdeM00000019773 XP_045156457.1 38.9 406
 205 5 1 402 37 403 6.90E-76 292.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019774 400727 82.4 UdeM00000019774 XP_025078116.1 56.7
 60 26 0 22 81 380 439 2.90E-13 82.4 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000019775 29159 302 UdeM00000019775 XP_011417333.1 41.1 431
 217 7 36 464 10 405 1.30E-78 302 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019776 29159 302 UdeM00000019776 XP_011417333.1 41.1 431
 217 7 17 445 10 405 1.30E-78 302 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019777 6596 511.9 UdeM00000019777 XP_045215666.1 42.9 658
329 8 25 679 24 637 1.20E-141 511.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000019778 6596 379 UdeM00000019778 XP_045156902.1 46.4 422
213 6 1 414 6 422 7.60E-102 379 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000019779 6596 289.7 UdeM00000019779 XP_045156902.1 34.8 474
244 6 1 466 6 422 6.80E-75 289.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000019780 6596 288.9 UdeM00000019780 XP_045156902.1 35.9 448
222 4 27 468 460 848 1.20E-74 288.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000019781 225164 166.4 UdeM00000019781 XP_009059696.1 69.4
134 37 2 1 133 1 131 2.50E-38 166.4 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea; Lottiidae;Lottia;Lottia gigantea

UdeM00000019785 6596 936.8 UdeM00000019785 XP_045216562.1 81.7 568
98 1 1 568 1 562 1.30E-269 936.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000019786 6596 1084.7 UdeM00000019786 XP_045160505.1 55.8
1039 455 4 35 1069 13 1051 0.00E+00 1084.7 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000019787 6596 58.2 UdeM00000019787 XP_045216693.1 38.2 76
46 1 4 79 116 190 6.00E-06 58.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari a mercenaria

UdeM00000019788 6596 256.5 UdeM00000019788 XP_045156415.1 44.8 279
129 5 1 269 1 264 8.00E-65 256.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019789 6579 1026.2 UdeM00000019789 XP_033749200.1 45.4
1328 640 18 1 1302 822 2090 4.00E-296 1026.2 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019790 6579 523.9 UdeM00000019790 XP_033749200.1 41.1 737
398 12 4 716 7 731 3.80E-145 523.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019791 6596 230.3 UdeM00000019791 XP_045216220.1 28.8 666
330 19 7 619 4 578 6.50E-57 230.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019792 6596 95.9 UdeM00000019792 XP_045216737.1 38.3 149
43 1 10 109 20 168 3.60E-17 95.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019793 6596 372.5 UdeM00000019793 XP_045216273.1 55.9 340
141 4 13 345 12 349 6.40E-100 372.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019795 29159 204.9 UdeM00000019795 XP_019926412.2 51.4 212
84 4 1 205 1 200 9.70E-50 204.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000019796 400727 797 UdeM00000019796 XP_025077745.1 95.8
428 17 1 1 427 1 428 1.20E-227 797 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000019797 400727 153.3 UdeM00000019797 XP_025077746.1 58.1
117 49 0 1 117 1 117 2.10E-34 153.3 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000019798 6596 1856.3 UdeM00000019798 XP_045216204.1 89.9
1111 105 4 1 1107 1 1108 0.00E+00 1856.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019799 1735272 374.4 UdeM00000019799 XP_041356084.1 35
609 331 8 45 615 11 592 2.80E-100 374.4 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019800 6579 226.5 UdeM00000019800 XP_033738222.1 39.5 382
180 8 6 338 11 390 5.90E-56 226.5 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019801 6596 365.9 UdeM00000019801 XP_045215829.1 43.1 555
262 15 6 522 12 550 8.40E-98 365.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019802 6579 475.7 UdeM00000019802 XP_033739131.1 41.9 609
192 3 77 524 762 1369 7.60E-131 475.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019803 6579 270 UdeM00000019803 XP_033739131.1 63 200
73 1 1 200 1171 1369 2.40E-69 270 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019804 6565 263.8 UdeM00000019804 XP_022330428.1 56 209
90 2 10 217 7 214 7.90E-67 263.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000019805 1415580 106.3 UdeM00000019805 XP_030075314.1 76.1
67 16 0 6 72 559 625 1.70E-20 106.3 1415580

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amphibia;Gymnophiona;Siphonopidae;Microcaecilia;Microcaecilia unicolor

UdeM00000019807 7757 295.8 UdeM00000019807 XP_032835197.1 77.7 193
42 1 1 193 167 358 6.50E-77 295.8 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000019806 7757 327.4 UdeM00000019806 XP_032835197.1 78.7 211
44 1 2 212 149 358 2.10E-86 327.4 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiformes;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000019808 7757 142.5 UdeM00000019808 XP_032835197.1 77.8 90
17 1 10 99 55 141 2.90E-31 142.5 7757 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Cyclostomata;Hyperoartia;Petromyzontiforme
s;Petromyzontidae;Petromyzon;Petromyzon marinus

UdeM00000019809 6596 236.9 UdeM00000019809 XP_045216176.1 49.5 218
107 1 15 232 45 259 3.20E-59 236.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019810 6596 1230.3 UdeM00000019810 XP_045216496.1 54.5
1207 474 20 108 1293 61 1213 0.00E+00 1230.3 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019811 6596 1254.2 UdeM00000019811 XP_045216496.1 59.2
1100 404 12 141 1228 147 1213 0.00E+00 1254.2 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000019812 6579 1251.5 UdeM00000019812 XP_033750069.1 59.2
1115 401 13 216 1297 99 1192 0.00E+00 1251.5 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019813 6579 310.1 UdeM00000019813 XP_033749465.1 70.5 234
56 5 32 258 50 277 2.70E-81 310.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019814 6579 328.2 UdeM00000019814 XP_033750005.1 44 373
185 1 8 380 990 1338 1.40E-86 328.2 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019815 6579 733.8 UdeM00000019815 XP_033750005.1 47 805
399 9 69 866 170 953 2.50E-208 733.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019817 6579 733.8 UdeM00000019817 XP_033750005.1 47 805
399 9 69 866 170 953 2.50E-208 733.8 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019816 6579 896.7 UdeM00000019816 XP_033750005.1 48.6 951
467 10 12 952 15 953 2.50E-257 896.7 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019818 6573 380.2 UdeM00000019818 XP_021360485.1 68 309
 90 5 4 312 19 318 4.00E-102 380.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019819 6573 85.9 UdeM00000019819 XP_021360485.1 90.7 43
 4 0 198 240 523 565 2.20E-13 85.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019820 6579 1770.4 UdeM00000019820 XP_033749179.1 54.2
 1963 744 26 32 1891 140 2050 0.00E+00 1770.4 6579
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019821 6579 60.5 UdeM00000019821 XP_033749179.1 39.8 93
 53 3 44 135 50 140 2.00E-06 60.5 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019822 7741 90.1 UdeM00000019822 XP_019623626.1 48.3 89
 46 0 1 89 5 93 1.50E-15 90.1 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000019823 225164 218.4 UdeM00000019823 XP_009054817.1 74.1
 139 36 0 1 139 1 139 6.10E-54 218.4 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000019825 37653 267.3 UdeM00000019825 XP_014791118.1 67.3 196
 64 0 3 198 318 513 1.60E-68 267.3 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000019824 7574 579.3 UdeM00000019824 XP_013413478.1 55.4 529
 230 2 1 525 1 527 4.90E-162 579.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000019826 7739 430.6 UdeM00000019826 XP_035677040.1 66.7 297
 98 1 8 303 9 305 1.60E-117 430.6 7739 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma floridae
 UdeM00000019827 29159 618.2 UdeM00000019827 XP_034302171.1 62.7 502
 171 6 3 491 5 503 9.00E-174 618.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019828 6596 1583.9 UdeM00000019828 XP_045216927.1 74.3
 1090 213 2 12 1101 77 1099 0.00E+00 1583.9 6596

cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019829 6596 279.6 UdeM00000019829 XP_045216730.1 70.4 189
56 0 30 218 9 197 3.30E-72 279.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019832 6596 169.5 UdeM00000019832 XP_045156764.1 49.7 177
89 0 6 182 8 184 1.30E-38 169.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019833 6579 146 UdeM00000019833 XP_033749386.1 88.8 80
9 0 1 80 1 80 2.10E-32 146 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000019835 1735272 141.7 UdeM00000019835 XP_041369430.1 51.9
135 62 1 29 160 33 167 7.90E-31 141.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019834 1735272 164.9 UdeM00000019834 XP_041369430.1 55
149 64 1 29 174 33 181 1.00E-37 164.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019836 1735272 198.7 UdeM00000019836 XP_041369430.1 55.4
177 76 1 1 174 214 390 6.00E-48 198.7 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019837 6573 174.5 UdeM00000019837 XP_021354741.1 58.5 135
56 0 1 135 239 373 1.00E-40 174.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000019838 400727 203.4 UdeM00000019838 XP_025077683.1 41.6
279 122 2 9 287 166 403 4.00E-49 203.4 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000019839 6596 371.3 UdeM00000019839 XP_045170460.1 36.8 585
311 13 43 586 352 918 2.40E-99 371.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019840 1735272 123.6 UdeM00000019840 XP_041363316.1 36.1
191 113 5 1 188 183 367 2.60E-25 123.6 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019841 6526 204.5 UdeM00000019841 XP_013073210.1 39.2 268
155 4 26 287 100 365 1.80E-49 204.5 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000019842 1735272 171 UdeM00000019842 XP_041363316.1 36.7
259 134 4 145 376 112 367 2.90E-39 171 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019843 6526 161.8 UdeM00000019843 XP_013073210.1 42.3 194
108 2 113 302 100 293 1.40E-36 161.8 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000019845 1735272 129 UdeM00000019845 XP_041363316.1 36.5
189 115 3 1 188 183 367 6.30E-27 129 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019844 6526 210.3 UdeM00000019844 XP_013073210.1 40.4 267
153 4 26 287 100 365 3.30E-51 210.3 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000019846 1735272 163.3 UdeM00000019846 XP_041363316.1 43.8
185 101 1 116 300 112 293 5.30E-37 163.3 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019848 6526 210.7 UdeM00000019848 XP_013073210.1 40.4 267
153 4 26 287 100 365 2.50E-51 210.7 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Panpulmonata;Hygrophila;Lymnaeidae;Planorbidae;Biomphalaria;Biomphalaria glabrata

UdeM00000019847 6526 210.7 UdeM00000019847 XP_013073210.1 40.4 267
153 4 108 369 100 365 3.20E-51 210.7 6526 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000019849 1735272 166 UdeM00000019849 XP_041363316.1 33.4
308 159 7 73 337 53 357 8.50E-38 166 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000019850 1735272 164.9 UdeM00000019850 XP_041363316.1 37.4
246 135 4 73 302 53 295 1.60E-37 164.9 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000019851 6526 207.6 UdeM00000019851 XP_013073210.1 40.1 267
154 4 26 287 100 365 2.10E-50 207.6 6526 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000019852 6526 207.6 UdeM00000019852 XP_013073210.1 40.1 267
154 4 108 369 100 365 2.70E-50 207.6 6526 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000019853 1735272 126.7 UdeM00000019853 XP_041363316.1 35.4
189 117 3 1 188 183 367 3.10E-26 126.7 1735272
cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Neomphalina; Neomphaloidea; Peltospiridae; Gigantopelta; Gigantopelta aegis

UdeM00000019854 6526 208 UdeM00000019854 XP_013073210.1 40.8 267
152 4 26 287 100 365 1.60E-50 208 6526 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000019855 6526 195.7 UdeM00000019855 XP_013073210.1 38.9 262
156 2 108 365 100 361 1.10E-46 195.7 6526 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Panpulmonata; Hygrophila; Lymnaeoidea; Planorbidae; Biomphalaria; Biomphalaria glabrata

UdeM00000019856 37621 83.2 UdeM00000019856 XP_014679862.1 46.9 81
43 0 47 127 179 259 3.10E-13 83.2 37621 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Ecdysozoa; Scalidophora; Priapulida; Priapulimorpha; Priapulimorphida; Priapulidae; Priapululus; Priapululus caudatus

UdeM00000019857 6526 114 UdeM00000019857 XP_013073210.1 38 142
88 0 98 239 85 226 2.60E-22 114 6526 cellular

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Heterobranchia; Euthyneura; Pan

pulmonata;Hygrophila;Lymnaeoidae;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000019858 1735272 124 UdeM00000019858 XP_041363316.1 36.1
191 113 5 1 188 183 367 2.00E-25 124 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019859 46514 171 UdeM00000019859 XP_038062328.1 35.5 299
158 4 2 276 91 378 2.10E-39 171 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000019860 6526 197.6 UdeM00000019860 XP_013073210.1 37.5 277
169 2 98 370 85 361 2.90E-47 197.6 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidae;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000019861 6526 206.1 UdeM00000019861 XP_013073210.1 40.1 267
154 4 141 402 100 365 8.60E-50 206.1 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidae;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000019862 46514 171 UdeM00000019862 XP_038062328.1 35.5 299
158 4 2 276 91 378 2.10E-39 171 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000019863 6526 197.6 UdeM00000019863 XP_013073210.1 37.5 277
169 2 98 370 85 361 2.90E-47 197.6 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidae;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000019865 1735272 125.2 UdeM00000019865 XP_041363316.1 36.6
191 112 5 1 188 183 367 9.00E-26 125.2 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019864 6526 206.8 UdeM00000019864 XP_013073210.1 40.4 267
153 4 26 287 100 365 3.60E-50 206.8 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeoidae;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000019866 8049 259.2 UdeM00000019866 XP_030193753.1 35.9 376
225 4 134 504 17 381 1.10E-65 259.2 8049 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
phala;Euteleosteoromorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo

rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
e;Gadus;Gadus morhua
UdeM00000019867 46514 171 UdeM00000019867 XP_038062328.1 35.5 299
158 4 2 276 91 378 2.10E-39 171 46514 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
terinidae;Patiria;Patiria miniata
UdeM00000019868 6526 193.4 UdeM00000019868 XP_013073210.1 36.8 277
171 2 175 447 85 361 6.50E-46 193.4 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata
UdeM00000019869 6596 229.6 UdeM00000019869 XP_045215197.1 49.3 300
118 11 2 283 7 290 5.20E-57 229.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000019870 1735272 458 UdeM00000019870 XP_041367294.1 46.2
507 270 2 1 505 1 506 1.60E-125 458 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019872 6565 237.3 UdeM00000019872 XP_022315198.1 58.5 193
80 0 1 193 316 508 1.70E-59 237.3 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019871 1735272 455.3 UdeM00000019871 XP_041367294.1 45.6
507 273 2 1 505 1 506 1.00E-124 455.3 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000019873 6565 457.2 UdeM00000019873 XP_022316649.1 45.8 509
272 3 1 506 268 775 2.70E-125 457.2 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000019874 6573 250 UdeM00000019874 XP_021345869.1 69.3 163
50 0 3 165 6 168 3.80E-63 250 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000019875 29159 241.9 UdeM00000019875 XP_034323799.1 37.5 357
212 5 55 408 132 480 1.40E-60 241.9 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000019876 6579 770 UdeM00000019876 XP_033750147.1 73.4 508
126 5 1 506 1 501 1.90E-219 770 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000019877 6579 393.3 UdeM00000019877 XP_033749962.1 54.2 421
158 5 60 473 15 407 4.40E-106 393.3 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000019878 6579 350.1 UdeM00000019878 XP_033749962.1 51 404
180 4 60 456 15 407 4.20E-93 350.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000019880 6579 773.1 UdeM00000019880 XP_033750966.1 73.5 544
129 9 33 569 40 575 2.80E-220 773.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000019881 6573 574.3 UdeM00000019881 XP_021359354.1 93.1 288
20 0 1 288 1 288 8.60E-161 574.3 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000019882 7574 196.1 UdeM00000019882 XP_013389338.1 60.2 166
66 0 1 166 1 166 5.60E-47 196.1 7574 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Brachiopoda; Linguliformea; Lingulata; Lingulida; Linguloidea; Lingulidae; Lingula; Lingula anatina

UdeM00000019883 6579 231.1 UdeM00000019883 XP_033750284.1 39.6 424
217 10 1 414 1 395 2.60E-57 231.1 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000019884 6596 266.9 UdeM00000019884 XP_045156321.1 41.1 521
254 16 1 487 1 502 4.90E-68 266.9 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019886 6596 211.1 UdeM00000019886 XP_045215117.1 26.5 672
438 18 1 650 46 683 4.50E-51 211.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019885 6596 258.5 UdeM00000019885 XP_045215117.1 28 708
454 18 3 688 10 683 2.60E-65 258.5 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019887 400727 60.1 UdeM00000019887 XP_025095192.1 33.6
143 86 4 16 157 443 577 3.40E-06 60.1 400727
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Caenogastropoda; Architaenioglossa; Ampullarioidea; Ampullariidae; Pomacea; Pomacea canaliculata

UdeM00000019888	6596	99.4	UdeM00000019888	XP_045215117.1	25.3	328
205	11	1	323	46	338	1.10E-17
			99.4	6596	cellular	

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019890	1529436	71.2	UdeM00000019890	XP_033102160.1	54.7	
53	24	0	19	71	101	153
						2.80E-09
			71.2	1529436	cellular	

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Pelmatozoa; Crinoidea; Articulata; Comatulida; Comatulidae; Comatulinae; Anneissia; Anneissia japonica

UdeM00000019891	6596	91.3	UdeM00000019891	XP_045204335.1	24.5	306
195	9	2	290	16	302	4.80E-15
			91.3	6596	cellular	

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019892	29159	667.2	UdeM00000019892	XP_034305975.1	33.3	1326
819	25	6	1310	1084	2364	4.40E-188
			667.2	29159	cellular	

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorpha; Ostreida; Ostreoidea; Ostreidae; Crassostrea; Crassostrea gigas

UdeM00000019894	6596	211.5	UdeM00000019894	XP_045156366.1	61	159
62	0	1	159	1	159	8.50E-52
			211.5	6596	cellular	

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019896	6596	545	UdeM00000019896	XP_045156366.1	54.5	466
210	1	29	494	162	625	9.50E-152
			545	6596	cellular	

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019897	6596	795.8	UdeM00000019897	XP_045156366.1	59.3	627
253	1	1	627	1	625	3.90E-227
			795.8	6596	cellular	

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019898	6596	819.7	UdeM00000019898	XP_045156366.1	60.7	626
245	1	1	626	1	625	2.50E-234
			819.7	6596	cellular	

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019899	6596	487.6	UdeM00000019899	XP_045156366.1	66.2	340
114	1	1	339	286	625	1.20E-134
			487.6	6596	cellular	

organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019900 6596 332.4 UdeM00000019900 XP_045156366.1 54.3 291
 130 3 1 290 1 289 5.70E-88 332.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019901 6573 136.3 UdeM00000019901 XP_021360568.1 37.6 205
 122 2 4 205 7 208 4.40E-29 136.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019902 6579 501.9 UdeM00000019902 XP_033749388.1 42.1 703
 331 14 11 645 3 697 1.70E-138 501.9 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000019904 6596 144.1 UdeM00000019904 XP_045156596.1 73.2 97
 25 1 1 97 1 96 1.00E-31 144.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019905 6596 455.3 UdeM00000019905 XP_045156593.1 54.8 414
 164 6 1 413 1 392 8.50E-125 455.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019906 6596 815.8 UdeM00000019906 XP_045156594.1 92.3 442
 34 0 1 442 1 442 2.60E-233 815.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019907 29159 553.5 UdeM00000019907 XP_011435747.2 32 993
 538 17 14 903 309 1267 5.10E-154 553.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019908 6596 154.1 UdeM00000019908 XP_045197025.1 54.4 125
 57 0 35 159 173 297 1.70E-34 154.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019909 6596 318.5 UdeM00000019909 XP_045215567.1 44.8 348
 190 2 3 349 5 351 1.10E-83 318.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019910 6596 1689.5 UdeM00000019910 XP_045215964.1 53
 1600 685 20 10 1575 6 1572 0.00E+00 1689.5 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019911 6596 1677.9 UdeM00000019911 XP_045215964.1 53.9
 1573 668 16 51 1585 19 1572 0.00E+00 1677.9 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019912 6573 844.3 UdeM00000019912 XP_021368435.1 35.3 1387
 736 36 36 1278 480 1849 2.20E-241 844.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000019913 6565 185.3 UdeM00000019913 XP_022333198.1 84.1 113
 18 0 1 113 1 113 4.50E-44 185.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019914 6596 810.8 UdeM00000019914 XP_045216865.1 76.6 508
 117 1 1 508 1 506 9.60E-232 810.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019915 6596 811.2 UdeM00000019915 XP_045216865.1 76.4 509
 118 1 1 509 1 507 7.40E-232 811.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019916 29159 345.1 UdeM00000019916 XP_011448861.1 72.9 214
 56 2 1 213 1 213 6.40E-92 345.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019917 6565 146.4 UdeM00000019917 XP_022302274.1 43.3 178
 99 2 11 188 127 302 3.80E-32 146.4 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000019918 6596 234.2 UdeM00000019918 XP_045216199.1 47.3 332
 114 10 1 306 1 297 2.50E-58 234.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019919 6596 324.3 UdeM00000019919 XP_045216199.1 65.7 271
 58 3 17 286 474 710 1.60E-85 324.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019920 1735272 1250 UdeM00000019920 XP_041365568.1 56.4
1130 439 13 17 1111 17 1127 0.00E+00 1250 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000019921 400727 224.9 UdeM00000019921 XP_025077167.1 61.9
572 208 3 8 574 6 572 2.50E-55 224.9 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000019922 6579 241.1 UdeM00000019922 XP_033750653.1 33.1 471
279 13 344 808 367 807 5.20E-60 241.1 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019923 6596 238.4 UdeM00000019923 XP_045172628.1 34.3 440
249 10 468 902 6 410 3.50E-59 238.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019925 6596 2068.5 UdeM00000019925 XP_045216804.1 64.4
1571 513 14 25 1560 31 1590 0.00E+00 2068.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019926 6596 2063.5 UdeM00000019926 XP_045216804.1 62.8
1578 545 14 18 1565 25 1590 0.00E+00 2063.5 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019927 6596 2026.9 UdeM00000019927 XP_045216804.1 63.2
1548 528 14 10 1527 54 1590 0.00E+00 2026.9 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia; Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000019928 7936 90.9 UdeM00000019928 XP_035253181.1 40.2 174
64 3 1 134 236 409 1.40E-15 90.9 7936 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;Elopocephala;Anguilliformes;Anguillidae;Anguilla;Anguilla anguilla

UdeM00000019929 48498 84.3 UdeM00000019929 XP_020610409.1 37.6 125
 75 1 1 125 474 595 1.30E-13 84.3 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000019930 37621 65.1 UdeM00000019930 XP_014672567.1 31.5 111
 70 3 17 127 406 510 7.50E-08 65.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000019936 6945 63.5 UdeM00000019936 XP_042149663.1 25.3 194
 127 5 5 189 4 188 6.50E-07 63.5 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000019939 29159 88.2 UdeM00000019939 XP_034311319.1 43 114
 64 1 75 188 179 291 2.80E-14 88.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019940 6596 123.2 UdeM00000019940 XP_045216799.1 47.1 138
 71 2 410 547 512 647 1.00E-24 123.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019942 29159 163.7 UdeM00000019942 XP_034326553.1 33.3 312
 188 10 29 327 190 494 4.50E-37 163.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000019943 1735272 1193.3 UdeM00000019943 XP_041366235.1
 43.3 1574 851 18 1 1559 1 1548 0.00E+00 1193.3
 1735272 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000019944 6596 237.3 UdeM00000019944 XP_045216699.1 66.1 171
 58 0 1 171 1 171 7.40E-59 237.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019945 6596 235 UdeM00000019945 XP_045216699.1 65.5 171
 54 1 1 166 1 171 3.80E-58 235 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000019946 6596 241.5 UdeM00000019946 XP_045216699.1 67.1 173
 54 1 1 170 1 173 3.80E-60 241.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019947 6596 277.3 UdeM00000019947 XP_045216699.1 79.3 174
 34 2 1 173 1 173 7.80E-71 277.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019947 6596 65.9 UdeM00000019947 XP_045216699.1 41.5 65
 38 0 971 1035 818 882 3.60E-07 65.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019948 6573 190.7 UdeM00000019948 XP_021349576.1 41.9 415
 183 14 1 377 1 395 3.50E-45 190.7 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000019949 6596 272.7 UdeM00000019949 XP_045160385.1 26.9 922
 572 23 276 1178 335 1173 2.30E-69 272.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019950 6596 460.7 UdeM00000019950 XP_045215478.1 66.1 354
 113 4 1 352 7 355 1.70E-126 460.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000019951 7604 312.8 UdeM00000019951 XP_033641066.1 55.9 261
 115 0 4 264 3 263 4.30E-82 312.8 7604 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Forcipulatacea;Forcipul
 atida;Asteroidea;Asteroidea;Asterias;Asterias rubens

UdeM00000019952 225164 119.8 UdeM00000019952 XP_009058200.1 49.1
 108 55 0 4 111 108 215 2.20E-24 119.8 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000019953 6579 443 UdeM00000019953 XP_033752673.1 63.7 325
 118 0 28 352 328 652 3.60E-121 443 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000019954 225164 103.2 UdeM00000019954 XP_009058199.1 51.4
 105 44 2 1 105 1 98 2.10E-19 103.2 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea

UdeM00000019955 6596 422.2 UdeM00000019955 XP_045215478.1 60.1 358
 136 4 1 356 7 359 6.80E-115 422.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019956 6596 101.3 UdeM00000019956 XP_045156684.1 39.7 126
75 1 37 161 59 184 1.20E-18 101.3 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019957 6573 99 UdeM00000019957 XP_021351033.1 49.5 95
43 1 2 91 50 144 3.40E-18 99 6573 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Mizuhopecten; Mizuhopecten yessoensis

UdeM00000019958 6596 139.8 UdeM00000019958 XP_045156684.1 42.8 159
88 2 113 270 35 191 5.70E-30 139.8 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019959 7604 113.6 UdeM00000019959 XP_033641066.1 66.2 80
27 0 1 80 155 234 1.20E-22 113.6 7604 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Echinodermata; Eleutherozoa; Asterozoa; Asteroidea; Forcipulatacea; Forcipulatacida; Asteriidae; Asterias; Asterias rubens

UdeM00000019960 225164 126.7 UdeM00000019960 XP_009058200.1 51.9
108 52 0 4 111 108 215 1.80E-26 126.7 225164
cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Gastropoda; Patellogastropoda; Lottioidea; Lottiidae; Lottia; Lottia gigantea

UdeM00000019962 6579 389.8 UdeM00000019962 XP_033752673.1 52.6 390
144 6 21 379 273 652 3.90E-105 389.8 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000019961 6579 524.2 UdeM00000019961 XP_033752673.1 44.9 690
304 14 1 652 1 652 2.30E-145 524.2 6579 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Pteriomorphia; Pectinida; Pectinoidea; Pectinidae; Pecten; Pecten maximus

UdeM00000019964 6596 236.1 UdeM00000019964 XP_045216173.1 53.6 207
95 1 28 233 38 244 5.20E-59 236.1 6596 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Protostomia; Spiralia; Lophotrochozoa; Mollusca; Bivalvia; Autobranchia; Heteroconchia; Euheterodonta; Imparidentia; Venerida; Veneroidea; Veneridae; Mercenaria; Mercenaria mercenaria

UdeM00000019966 52670 82.8 UdeM00000019966 XP_013874439.1 56.7 60
26 0 44 103 1714 1773 2.90E-13 82.8 52670 cellular
organisms; Eukaryota; Opisthokonta; Metazoa; Eumetazoa; Bilateria; Deuterostomia; Chordata; Craniata; Vertebrata; Gnathostomata; Teleostomi; Euteleostomi; Actinopterygii; Actinopteri; Neopterygii; Teleostei; Osteoglossocephalai; Clupeocephala; Euteleostei; Neoteleostei; Eurypterygia; Ctenosquamata; Acanthopterygii; Euacanthopterygii; Percomorphaceae; Ovalentaria; Atherinomorpha; Cyp

rinodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus
 limnaeus
 UdeM00000019965 52670 82.8 UdeM00000019965 XP_013874439.1 56.7 60
 26 0 46 105 1714 1773 3.00E-13 82.8 52670 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Aplocheiloidei;Rivulidae;Austrofundulus;Austrofundulus
 limnaeus
 UdeM00000024449 6596 352.4 UdeM00000024449 XP_045196037.1 76.7 215
 49 1 1 214 1 215 3.90E-94 352.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024450 37653 94.4 UdeM00000024450 XP_014774493.1 41.3 126
 71 3 8 131 49 173 1.60E-16 94.4 37653 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Oct
 opoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
 UdeM00000024451 37621 132.1 UdeM00000024451 XP_014677168.1 42.4 172
 96 3 3 172 8 178 8.40E-28 132.1 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000024452 29159 101.7 UdeM00000024452 XP_034317111.1 57.3 75
 32 0 1 75 1 75 4.60E-19 101.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024453 29159 336.7 UdeM00000024453 XP_034317111.1 48 383
 188 5 2 376 171 550 3.90E-89 336.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024454 29159 610.5 UdeM00000024454 XP_034317111.1 42 867
 485 12 2 858 171 1029 3.20E-171 610.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024455 29159 178.7 UdeM00000024455 XP_034317111.1 36.2 359
 221 6 1 355 675 1029 1.30E-41 178.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024456 29159 246.5 UdeM00000024456 XP_011431940.2 87 138
 18 0 1 138 1 138 1.80E-61 246.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024457 6596 822 UdeM00000024457 XP_045196072.1 49.2 850
 401 13 1 831 1 838 6.80E-235 822 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024458 6596 783.9 UdeM00000024458 XP_045196733.1 50.8 1174
454 25 33 1142 148 1261 2.80E-223 783.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024459 1735272 66.2 UdeM00000024459 XP_041353959.1 44.3
115 44 6 9 121 11 107 4.40E-08 66.2 1735272
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024460 6579 666 UdeM00000024460 XP_033741305.1 79.2 443
76 7 1 436 1 434 3.30E-188 666 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024461 6579 671 UdeM00000024461 XP_033741302.1 78.9 446
82 7 1 443 1 437 1.00E-189 671 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024462 6596 571.2 UdeM00000024462 XP_045196015.1 85 341
48 2 1 339 1 340 8.80E-160 571.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024463 6565 270.8 UdeM00000024463 XP_022294609.1 73.5 162
43 0 1 162 1 162 1.10E-69 270.8 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024464 400727 506.1 UdeM00000024464 XP_025097195.1 77.6
312 70 0 11 322 30 341 3.20E-140 506.1 400727
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata

UdeM00000024465 6579 485.3 UdeM00000024465 XP_033740919.1 33.5 1291
650 30 20 1148 20 1264 2.10E-133 485.3 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024468 6565 121.3 UdeM00000024468 XP_022293545.1 51.5 132
49 4 7 138 4 120 1.30E-24 121.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024469 400727 118.6 UdeM00000024469 XP_025099606.1 54.8
 115 49 2 9 123 5 116 8.00E-24 118.6 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaenioglossa;
 Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000024470 6596 330.1 UdeM00000024470 XP_045197496.1 70.3 236
 60 6 1 231 100 330 3.60E-87 330.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000024471 6596 147.1 UdeM00000024471 XP_045197493.1 71.4 98
 28 0 1 98 1 98 1.40E-32 147.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000024472 6596 106.3 UdeM00000024472 XP_045198072.1 32.2 183
 117 3 1 180 7 185 4.10E-20 106.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000024473 6579 139.8 UdeM00000024473 XP_033740486.1 38 179
 104 4 53 227 8 183 5.60E-30 139.8 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024474 6596 603.2 UdeM00000024474 XP_045205819.1 41.9 929
 456 21 15 875 363 1275 5.70E-169 603.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000024475 6596 395.6 UdeM00000024475 XP_045195433.1 60.6 320
 123 2 1 317 1 320 6.20E-107 395.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000024476 6596 339 UdeM00000024476 XP_045195256.1 44.5 420
 204 3 36 427 13 431 9.20E-90 339 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;
 Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000024477 6579 460.3 UdeM00000024477 XP_033741294.1 49.6 423
 206 4 4 423 15 433 2.60E-126 460.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pectinida;
 Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024478 29159 255.4 UdeM00000024478 XP_011438196.1 80.9 157
 29 1 1 157 1 156 4.90E-65 255.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024481 7739 58.2 UdeM00000024481 XP_035692614.1 41.5 65
37 1 1 65 53 116 4.90E-06 58.2 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000024482 7739 62 UdeM00000024482 XP_035692614.1 42.2 64
37 0 1 64 53 116 3.30E-07 62 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000024483 7741 59.7 UdeM00000024483 XP_019631664.1 68.8 32
10 0 37 68 105 136 2.00E-06 59.7 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000024484 7741 60.1 UdeM00000024484 XP_019631664.1 66.7 36
12 0 70 105 105 140 2.10E-06 60.1 7741 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma belcheri
UdeM00000024485 7739 60.8 UdeM00000024485 XP_035660497.1 67.6 34
11 0 37 70 44 77 8.40E-07 60.8 7739 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
anchiostoma;Branchiostoma floridae
UdeM00000024486 6579 86.7 UdeM00000024486 XP_033761495.1 48.2 83
43 0 7 89 23 105 2.20E-14 86.7 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000024487 6579 127.1 UdeM00000024487 XP_033739652.1 33.8 284
150 7 2 264 5 271 3.30E-26 127.1 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000024488 6596 355.5 UdeM00000024488 XP_045197376.1 54 350
147 3 77 426 177 512 9.20E-95 355.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024489 6596 319.3 UdeM00000024489 XP_045156247.1 42.5 416
170 6 2 353 345 755 6.10E-84 319.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024490 6579 99 UdeM00000024490 XP_033736448.1 32.4 179
90 3 27 176 103 279 1.40E-17 99 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024491 6596 328.6 UdeM00000024491 XP_045199387.1 31.2 711
430 16 4 671 3 697 1.90E-86 328.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024492 6596 228 UdeM00000024492 XP_045199387.1 30 530
320 12 6 498 182 697 2.60E-56 228 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024495 6596 326.2 UdeM00000024495 XP_045199387.1 31.9 709
427 17 4 670 3 697 9.50E-86 326.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024496 6596 231.5 UdeM00000024496 XP_045199387.1 34.1 402
230 8 4 378 3 396 2.00E-57 231.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024497 6596 335.5 UdeM00000024497 XP_045199387.1 32.5 710
420 17 4 669 3 697 1.60E-88 335.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024498 6596 162.9 UdeM00000024498 XP_045195464.1 34.8 296
173 7 51 332 200 489 6.90E-37 162.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024499 6596 347.1 UdeM00000024499 XP_045162820.1 37.4 554
308 16 36 565 39 577 5.00E-92 347.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024500 6596 401 UdeM00000024500 XP_045199078.1 38 558
314 12 14 557 28 567 2.80E-108 401 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000024501 6596 401 UdeM00000024501 XP_045199078.1 38 558
314 12 25 568 28 567 2.90E-108 401 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024502 299321 101.7 UdeM00000024502 XP_028839119.1 49
98 50 0 4 101 3 100 5.80E-19 101.7 299321
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeocephala;Otomorpha;Clupei;Clupeiformes;Denticipitoidei;Denticipitidae;Denticeps;Denticeps clupeoides

UdeM00000024503 6579 170.6 UdeM00000024503 XP_033764274.1 46.3 162
87 0 1 162 361 522 1.70E-39 170.6 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024504 6596 321.6 UdeM00000024504 XP_045195260.1 54.2 347
142 5 3 341 47 384 1.20E-84 321.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024505 6596 432.2 UdeM00000024505 XP_045195261.1 53.5 445
193 6 1 435 407 847 8.70E-118 432.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024506 6596 586.3 UdeM00000024506 XP_045189241.1 45.5 660
339 10 27 670 36 690 5.10E-164 586.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024507 6596 677.9 UdeM00000024507 XP_045189241.1 50.8 653
309 6 331 973 36 686 1.90E-191 677.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024508 6596 685.3 UdeM00000024508 XP_045189241.1 50.3 658
319 5 26 676 30 686 8.20E-194 685.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024509 1735272 184.9 UdeM00000024509 XP_041364971.1 37.9
256 143 3 4 259 37 276 1.40E-43 184.9 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024510 37653 237.7 UdeM00000024510 XP_014778903.1 39.7 290
173 1 64 353 92 379 2.30E-59 237.7 37653 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus bimaculoides
UdeM00000024511 6579 418.3 UdeM00000024511 XP_033741395.1 71 293
85 0 78 370 22 314 1.00E-113 418.3 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;
Pectinoidea;Pectinidae;Pecten;Pecten maximus
UdeM00000024512 1735272 359 UdeM00000024512 XP_041351835.1 71.5
246 68 2 1 245 1 245 4.80E-96 359 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
tospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000024513 6596 334.3 UdeM00000024513 XP_045197697.1 69.4 245
74 1 1 245 1 244 1.30E-88 334.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024514 6596 497.7 UdeM00000024514 XP_045196910.1 59.8 388
152 2 1 386 1 386 1.40E-137 497.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024515 29159 93.2 UdeM00000024515 XP_034331800.1 35.8 176
113 0 2 177 12 187 3.70E-16 93.2 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024516 6596 188.3 UdeM00000024516 XP_045198991.1 43.8 274
132 4 1 267 1 259 1.20E-44 188.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024517 29159 81.6 UdeM00000024517 XP_034310118.1 55.1 69
31 0 584 652 502 570 4.10E-12 81.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024518 29159 111.7 UdeM00000024518 XP_011428196.1 59.8 117
44 2 1 114 1 117 6.30E-22 111.7 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024519 225164 166 UdeM00000024519 XP_009065892.1 74.7
95 24 0 1 95 1 95 2.40E-38 166 225164
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottiioidea;
Lottiidae;Lottia;Lottia gigantea
UdeM00000024520 6596 543.9 UdeM00000024520 XP_045195857.1 80.9 319
61 0 1 319 1 319 1.40E-151 543.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024521 6596 107.1 UdeM00000024521 XP_045196379.1 27.7 577
332 23 13 526 66 620 8.50E-20 107.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024522 6596 130.2 UdeM00000024522 XP_045197001.1 48.8 129
63 3 1 128 46 172 2.00E-27 130.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024523 6596 160.6 UdeM00000024523 XP_045197001.1 46.5 172
89 2 28 199 35 203 2.10E-36 160.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024524 7574 151 UdeM00000024524 XP_013379762.1 53.5 127
59 0 4 130 222 348 1.10E-33 151 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000024525 6596 161 UdeM00000024525 XP_045197001.1 48.3 174
85 3 28 201 35 203 1.80E-36 161 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024526 133434 158.7 UdeM00000024526 XP_022079992.1 49.7
171 76 3 55 222 46 209 8.80E-36 158.7 133434 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000024527 133434 157.5 UdeM00000024527 XP_022079992.1 49.1
171 77 3 30 197 46 209 1.70E-35 157.5 133434 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000024528 7574 90.5 UdeM00000024528 XP_013410091.1 54.9 82
35 1 84 165 190 269 2.40E-15 90.5 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000024529 133434 154.1 UdeM00000024529 XP_022079992.1 46.7
184 88 3 17 197 31 207 2.00E-34 154.1 133434 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia

a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;Acanthasteridae;Acanthaster;Acanthaster planci

UdeM00000024530 6596 146.4 UdeM00000024530 XP_045163882.1 47.4 175
87 4 28 199 30 202 4.20E-32 146.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000024531 6526 249.2 UdeM00000024531 XP_013095077.1 55 209
90 1 46 250 1 209 5.50E-63 249.2 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan-
pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata

UdeM00000024533 6526 193.7 UdeM00000024533 XP_013074370.1 86.7 113
15 0 1 113 456 568 1.30E-46 193.7 6526 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan-
pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
glabrata

UdeM00000024532 6573 231.5 UdeM00000024532 XP_021360121.1 83.8 142
22 1 18 159 461 601 7.90E-58 231.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024535 6579 552.4 UdeM00000024535 XP_033740152.1 67.4 414
133 1 1 414 1 412 5.10E-154 552.4 6579 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000024536 6596 104.4 UdeM00000024536 XP_045160721.1 38.9 149
81 3 101 246 1 142 2.20E-19 104.4 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000024537 6596 137.9 UdeM00000024537 XP_045198188.1 26.1 529
310 14 1 496 1 481 3.50E-29 137.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000024538 6596 207.6 UdeM00000024538 XP_045197463.1 40.3 320
182 5 21 335 25 340 2.50E-50 207.6 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe-
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari-
a mercenaria

UdeM00000024539 6573 189.9 UdeM00000024539 XP_021365159.1 53.8 158
71 1 36 191 15 172 4.10E-45 189.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect-
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024540 6565 171 UdeM00000024540 XP_022291418.1 92.2 90
 7 0 1 90 1 90 6.90E-40 171 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024541 6573 606.3 UdeM00000024541 XP_021354075.1 54.2 620
 246 8 65 652 98 711 4.60E-170 606.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024542 6573 71.6 UdeM00000024542 XP_021354077.1 54 63
 27 1 1393 1453 1334 1396 9.10E-09 71.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024543 29159 181.4 UdeM00000024543 XP_019920519.2 39.9 286
 141 7 1 261 1 280 1.60E-42 181.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024547 1826170 73.6 UdeM00000024547 YP_009254794.1 21.6
 365 252 10 3 356 497 838 1.10E-09 73.6 1826170
 Viruses;Varidnaviria;Bamfordvirae;Nucleocytoviricota;Megaviricetes;
 Pimascovirales;Marseilleviridae;Marseillevirus;unclassified
 Marseillevirus;Tokyovirus A1
 UdeM00000024548 1826170 73.6 UdeM00000024548 YP_009254794.1 21.6
 365 252 10 3 356 497 838 1.10E-09 73.6 1826170
 Viruses;Varidnaviria;Bamfordvirae;Nucleocytoviricota;Megaviricetes;
 Pimascovirales;Marseilleviridae;Marseillevirus;unclassified
 Marseillevirus;Tokyovirus A1
 UdeM00000024550 29159 193.4 UdeM00000024550 XP_011432372.2 28.1 438
 292 11 21 449 529 952 6.40E-46 193.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000024571 7654 112.1 UdeM00000024571 XP_041473734.1 42 169
 79 5 2 151 590 758 9.60E-22 112.1 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroidea;Toxopneustidae;Lytechinus;Lytechinus variegatus
 UdeM00000024574 1735272 108.2 UdeM00000024574 XP_041354665.1 77.1
 70 14 1 1 70 1 68 4.80E-21 108.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024575 6596 352.1 UdeM00000024575 XP_045195322.1 54.5 330
 143 4 1 327 1 326 7.90E-94 352.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024577 29159 182.6 UdeM00000024577 XP_034312908.1 27.3 631
 381 18 3 568 6 623 1.40E-42 182.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024578 29159 182.6 UdeM00000024578 XP_034312908.1 27.3 631
381 18 3 568 6 623 1.40E-42 182.6 29159 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000024579 6596 1511.1 UdeM00000024579 XP_045197785.1 46.8
1769 855 20 1 1695 4 1760 0.00E+00 1511.1 6596
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024580 6596 286.2 UdeM00000024580 XP_045197789.1 51.7 302
140 4 7 306 6 303 5.00E-74 286.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024581 1735272 714.9 UdeM00000024581 XP_041354897.1 64.2
544 188 3 41 583 91 628 8.40E-203 714.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000024584 6596 288.5 UdeM00000024584 XP_045196415.1 66 209
71 0 9 217 39 247 7.10E-75 288.5 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024586 6596 411.8 UdeM00000024586 XP_045196581.1 58 343
139 3 3 342 2 342 8.70E-112 411.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024587 6596 411.8 UdeM00000024587 XP_045196581.1 58 343
139 3 27 366 2 342 9.30E-112 411.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000024588 6565 817 UdeM00000024588 XP_022292858.1 60.9 617
231 4 5 621 13 619 1.60E-233 817 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000024589 45264 90.1 UdeM00000024589 XP_044165143.1 43.2 111
61 2 2 110 367 477 1.90E-15 90.1 45264 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa

corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
millepora
UdeM00000024591 6596 144.1 UdeM00000024591 XP_045177778.1 31.9 342
196 7 1 314 405 737 3.20E-31 144.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024592 6596 196.8 UdeM00000024592 XP_045197113.1 30.4 520
223 14 514 902 377 888 1.20E-46 196.8 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000024594 37621 59.3 UdeM00000024594 XP_014677460.1 65.8 38
13 0 34 71 293 330 2.30E-06 59.3 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapulul;Priapulul caudatus
UdeM00000024595 37621 124 UdeM00000024595 XP_014677462.1 62.2 98
37 0 1 98 38 135 1.10E-25 124 37621 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
idae;Priapulul;Priapulul caudatus
UdeM00000024598 6565 219.9 UdeM00000024598 XP_022290205.1 27.7 614
286 10 584 1166 101 587 1.70E-53 219.9 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000027442 400727 148.7 UdeM00000027442 XP_025095647.1 51.2
127 58 1 42 168 5 127 7.00E-33 148.7 400727
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
UdeM00000027445 6573 147.9 UdeM00000027445 XP_021350847.1 59.3 108
44 0 358 465 297 404 3.30E-32 147.9 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000027446 7574 298.1 UdeM00000027446 XP_013397786.1 69.5 200
61 0 1 200 9 208 8.20E-78 298.1 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
guloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000027447 6565 906 UdeM00000027447 XP_022287481.1 42.5 1404
678 39 1536 2905 825 2133 1.30E-259 906 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000027447 6565 226.5 UdeM00000027447 XP_022287481.1 34.8 512
278 11 1 468 127 626 4.40E-55 226.5 6565 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000027448 6579 1058.5 UdeM00000027448 XP_033757322.1 81.8
665 121 0 1 665 1 665 3.50E-306 1058.5 6579
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000027451 29159 729.9 UdeM00000027451 XP_034303860.1 49.5 753
330 12 5 732 21 748 3.10E-207 729.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027452 29159 114 UdeM00000027452 XP_011451530.1 44.1 118
65 1 70 186 78 195 2.20E-22 114 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027456 6596 313.2 UdeM00000027456 XP_045188932.1 37.8 595
307 16 1 546 218 798 6.70E-82 313.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027457 6596 312.8 UdeM00000027457 XP_045188932.1 79.5 185
38 0 4 188 25 209 3.00E-82 312.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027458 6596 380.6 UdeM00000027458 XP_045188933.1 47.3 429
194 8 51 472 24 427 3.10E-102 380.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027459 6596 574.7 UdeM00000027459 XP_045188929.1 61.4 515
184 9 1 510 48 552 1.20E-160 574.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria

UdeM00000027460 225164 443 UdeM00000027460 XP_009064270.1 57.8
351 141 3 1 347 1 348 3.60E-121 443 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioida;
Lottiidae;Lottia;Lottia gigantea

UdeM00000027461 29159 2290.8 UdeM00000027461 XP_034330330.1 95.3
1175 54 1 1 1174 1 1175 0.00E+00 2290.8
29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000027462 6596 498.4 UdeM00000027462 XP_045188615.1 45.9 486
 254 7 141 620 2 484 1.30E-137 498.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027463 6573 404.1 UdeM00000027463 XP_021341224.1 72.3 289
 70 4 1 287 1 281 1.70E-109 404.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027464 29159 407.1 UdeM00000027464 XP_011419687.2 48.5 396
 198 3 66 457 85 478 2.90E-110 407.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027465 29159 416 UdeM00000027465 XP_011419687.2 49.2 396
 195 3 66 457 85 478 6.20E-113 416 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027466 6565 473.8 UdeM00000027466 XP_022342077.1 70.8 435
 122 3 1 431 1 434 2.40E-130 473.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027467 6565 478 UdeM00000027467 XP_022342077.1 70.8 435
 124 2 1 433 1 434 1.30E-131 478 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000027468 6596 2415.6 UdeM00000027468 XP_045188155.1 68.3
 1691 403 10 38 1598 443 2130 0.00E+00 2415.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027469 6596 379.8 UdeM00000027469 XP_045190999.1 60.7 300
 86 1 35 302 50 349 3.40E-102 379.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027471 7719 369.4 UdeM00000027471 XP_026690485.1 51.2 381
 167 8 6 383 6 370 5.70E-99 369.4 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
 intestinalis
 UdeM00000027472 6500 163.7 UdeM00000027472 XP_035824485.1 35.5 276
 157 5 30 290 105 374 3.60E-37 163.7 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysiioidea;Aplysiidae;Aplysia;Aplysia californica

UdeM00000027473 29159 1028.9 UdeM00000027473 XP_034322147.1 51.7
 975 420 5 1 948 3 953 4.20E-297 1028.9
 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027474 29159 109.4 UdeM00000027474 XP_034315421.1 55.7 106
 42 2 18 119 370 474 3.30E-21 109.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027475 6596 340.5 UdeM00000027475 XP_045216896.1 52.2 297
 141 1 27 323 92 387 2.40E-90 340.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027476 6596 230.3 UdeM00000027476 XP_045204261.1 41.5 275
 151 6 57 327 39 307 3.50E-57 230.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027477 400727 63.2 UdeM00000027477 XP_025084054.1 41.1
 73 43 0 1 73 42 114 1.80E-07 63.2 400727
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Caenogastropoda;Architaeniogl
 ossa;Ampullarioidea;Ampullariidae;Pomacea;Pomacea canaliculata
 UdeM00000027478 6596 65.1 UdeM00000027478 XP_045204261.1 46.7 60
 32 0 6 65 39 98 5.70E-08 65.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027480 6412 122.5 UdeM00000027480 XP_009015452.1 46.4 125
 67 0 1 125 1 125 4.00E-25 122.5 6412 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Annelida;Clitellata;Hirudinea;Rhynchobdellida;Glo
 ssiphoniidae;Helobdella;Helobdella robusta
 UdeM00000027481 7054 106.7 UdeM00000027481 XP_031328250.1 65.8 73
 25 0 8 80 152 224 1.60E-20 106.7 7054 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Inse
 cta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Elat
 eriformia;Elateroidea;Lampyridae;Lampyrinae;Photinus;Photinus pyralis
 UdeM00000027482 7719 141.4 UdeM00000027482 XP_004227365.1 55.3 103
 46 0 1 103 60 162 6.70E-31 141.4 7719 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Tunicata;Ascidiacea;Phlebobranchia;Cionidae;Ciona;Ciona
 intestinalis
 UdeM00000027483 6573 260.8 UdeM00000027483 XP_021352111.1 44.8 286
 154 3 37 318 135 420 2.30E-66 260.8 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000027484 6596 220.7 UdeM00000027484 XP_045202146.1 45.6 239
115 3 46 271 77 313 2.40E-54 220.7 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000027485 7574 109.8 UdeM00000027485 XP_013418105.1 46.1 102
53 1 1 102 318 417 2.20E-21 109.8 7574 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina
UdeM00000027486 1735272 156 UdeM00000027486 XP_041361735.1 34.5
249 156 5 1 247 83 326 6.30E-35 156 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027488 6596 226.1 UdeM00000027488 XP_045204261.1 41.1 275
152 6 57 327 39 307 6.60E-56 226.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000027489 6596 182.2 UdeM00000027489 XP_045179870.1 36.7 281
169 5 53 326 198 476 1.20E-42 182.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000027490 6573 261.5 UdeM00000027490 XP_021352111.1 44.1 286
156 3 366 647 135 420 2.80E-66 261.5 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000027492 6573 321.6 UdeM00000027492 XP_021375058.1 56.8 271
115 1 42 310 120 390 1.10E-84 321.6 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000027493 1735272 140.6 UdeM00000027493 XP_041361735.1 33.8
231 128 5 1 221 68 283 2.60E-30 140.6 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis
UdeM00000027494 1735272 256.9 UdeM00000027494 XP_041362195.1 39.7
310 180 5 83 386 62 370 4.10E-65 256.9 1735272
cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027495 6596 112.1 UdeM00000027495 XP_045204875.1 40.8 130
 75 2 26 153 309 438 6.50E-22 112.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027497 7654 65.5 UdeM00000027497 XP_041463763.1 41.1 95
 51 2 5 97 941 1032 4.40E-08 65.5 7654 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Echinozoa;Echinoidea;Euechinoidea;Echinacea;
 Temnopleuroida;Toxopneustidae;Lytechinus;Lytechinus variegatus

UdeM00000027499 6596 127.1 UdeM00000027499 XP_045161465.1 27.6 272
 66 2 37 177 46 317 2.30E-26 127.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027501 6596 257.7 UdeM00000027501 XP_045179599.1 55.7 230
 96 2 42 265 49 278 1.70E-65 257.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027502 1735272 171.8 UdeM00000027502 XP_041361735.1 34.8
 264 165 5 1 262 68 326 1.20E-39 171.8 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000027503 6596 218 UdeM00000027503 XP_045202146.1 47.7 216
 98 3 46 248 77 290 1.50E-53 218 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027504 6526 75.9 UdeM00000027504 XP_013087788.1 46.8 79
 34 2 41 119 64 134 4.00E-11 75.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeioidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata

UdeM00000027505 6596 240.7 UdeM00000027505 XP_045216896.1 53.5 200
 93 0 1 200 188 387 1.60E-60 240.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027506 151771 137.1 UdeM00000027506 XP_028417719.1 37.4
 179 106 4 7 180 640 817 2.90E-29 137.1 151771
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Octo
 corallia;Alcyonacea;Alcyoniina;Nephtheidae;Dendronephthya;Dendronephthya
 gigantea

UdeM00000027507 50429 199.9 UdeM00000027507 XP_022808032.1 33.3 351
 223 5 411 751 24 373 1.10E-47 199.9 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata
 UdeM00000027508 33528 68.6 UdeM00000027508 XP_043978898.1 39.8 88
 43 3 8 86 3 89 5.20E-09 68.6 33528 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorpha;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Gambusia;Gambusi
 a affinis
 UdeM00000027509 1735272 138.7 UdeM00000027509 XP_041378212.1 40.7
 167 91 4 14 175 191 354 7.50E-30 138.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027510 1735272 118.2 UdeM00000027510 XP_041369867.1 45.2
 124 63 3 6 127 286 406 7.50E-24 118.2 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027511 29159 129 UdeM00000027511 XP_034318668.1 40.6 180
 96 4 232 409 359 529 1.40E-26 129 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000027512 6500 171 UdeM00000027512 XP_035824485.1 34.2 275
 160 3 50 309 105 373 2.40E-39 171 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidae;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000027515 6573 226.1 UdeM00000027515 XP_021362338.1 61.4 166
 64 0 1 166 244 409 3.30E-56 226.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000027518 6596 108.2 UdeM00000027518 XP_045204875.1 40 130
 76 2 51 178 309 438 1.10E-20 108.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027519 6596 329.3 UdeM00000027519 XP_045161465.1 55.5 272
 119 2 67 336 46 317 5.60E-87 329.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000027521 6596 266.5 UdeM00000027521 XP_045179599.1 57 230
 93 2 40 263 49 278 3.50E-68 266.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027522 1735272 172.6 UdeM00000027522 XP_041361735.1 34.8
 264 165 5 1 262 68 326 6.90E-40 172.6 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000027523 6596 199.1 UdeM00000027523 XP_045202146.1 43.2 250
 120 6 20 254 71 313 6.90E-48 199.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027524 6596 140.6 UdeM00000027524 XP_045202146.1 44.6 175
 82 3 67 228 141 313 2.60E-30 140.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000027525 6573 261.2 UdeM00000027525 XP_021352111.1 44.1 286
 156 2 37 318 135 420 1.80E-66 261.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024373 6573 95.9 UdeM00000024373 XP_021377714.1 40.3 139
 74 4 20 157 18 148 5.30E-17 95.9 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024374 6500 127.5 UdeM00000024374 NP_001191663.1 54 113
 52 0 1 113 54 166 1.20E-26 127.5 6500 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Tec
 tipleura;Aplysiida;Aplysioidea;Aplysiidae;Aplysia;Aplysia californica
 UdeM00000024375 6573 206.1 UdeM00000024375 XP_021351463.1 38 368
 196 6 1 343 1 361 7.60E-50 206.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024376 6596 656.8 UdeM00000024376 XP_045199706.1 50.2 634
 298 9 182 813 239 856 3.70E-185 656.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024377 6596 137.5 UdeM00000024377 XP_045199706.1 47.1 140
 72 1 182 319 239 378 3.00E-29 137.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024378 6596 416.8 UdeM00000024378 XP_045202437.1 45.2 586
 214 22 97 636 101 625 5.10E-113 416.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024379 6596 5080.8 UdeM00000024379 XP_045200889.1 86.9
 2943 374 4 5 2938 1595 4535 0.00E+00 5080.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024380 6579 638.3 UdeM00000024380 XP_033759330.1 78.8 391
 83 0 12 402 1209 1599 7.00E-180 638.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000024381 6596 830.9 UdeM00000024381 XP_045200889.1 86.2 471
 65 0 1 471 747 1217 8.30E-238 830.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024382 6596 1051.6 UdeM00000024382 XP_045200889.1 81.8
 617 112 0 101 717 99 715 4.60E-304 1051.6 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024383 1735272 80.5 UdeM00000024383 XP_041379274.1 33.6
 122 79 2 2 122 245 365 1.70E-12 80.5 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000024384 46514 157.5 UdeM00000024384 XP_038073561.1 50.7 134
 66 0 2 135 17 150 1.20E-35 157.5 46514 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Echinodermata;Eleutherozoa;Asterozoa;Asteroidea;Valvatacea;Valvatida;As
 terinidae;Patiria;Patiria miniata
 UdeM00000024386 6573 186.4 UdeM00000024386 XP_021349278.1 42.3 274
 126 6 1 250 71 336 4.60E-44 186.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024387 6573 137.5 UdeM00000024387 XP_021349278.1 35.8 274
 149 7 20 287 408 660 2.70E-29 137.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024389 10224 141.7 UdeM00000024389 XP_006813844.1 43.9 164
 92 0 1 164 128 291 9.60E-31 141.7 10224 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Hemichordata;Enteropneusta;Harrimaniidae;Saccoglossus;Saccoglossus
 kowalevskii

UdeM00000024390 6596 352.4 UdeM00000024390 XP_045173731.1 55.7 406
 142 15 47 434 681 1066 8.10E-94 352.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024391 6565 310.5 UdeM00000024391 XP_022339609.1 64.9 239
 81 2 1648 1884 170 407 1.50E-80 310.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024392 6596 88.2 UdeM00000024392 XP_045203699.1 33.9 121
 79 1 24 143 28 148 1.10E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024393 6596 289.7 UdeM00000024393 XP_045157323.1 60.5 220
 86 1 1 220 1 219 3.90E-75 289.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024394 6565 132.9 UdeM00000024394 XP_022318420.1 46.7 122
 65 0 909 1030 75 196 3.80E-27 132.9 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024395 70779 82.4 UdeM00000024395 XP_015765573.1 58.3 60
 25 0 6 65 137 196 2.40E-13 82.4 70779 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Acroporidae;Acropora;Acropora
 digitifera

UdeM00000024396 6596 152.1 UdeM00000024396 XP_045165863.1 50 168
 48 1 14 145 595 762 5.30E-34 152.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024397 7574 133.3 UdeM00000024397 XP_013400179.1 74.1 81
 21 0 8 88 7 87 1.60E-28 133.3 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000024398 7574 301.6 UdeM00000024398 XP_013408166.1 55.7 291
 85 3 230 520 122 368 2.10E-78 301.6 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000024399 48701 122.5 UdeM00000024399 XP_014853227.1 66.2 74
 25 0 1 74 1 74 2.30E-25 122.5 48701 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Euacanthomorphacea;Percomorphaceae;Ovalentaria;Atherinomorphae;Cyp
 rinodontiformes;Cyprinodontoidei;Poeciliidae;Poeciliinae;Poecilia;Poecili
 a mexicana

UdeM00000024400 6565 89.7 UdeM00000024400 XP_022312022.1 61.3 62
 24 0 9 70 109 170 1.80E-15 89.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024401 1735272 193.4 UdeM00000024401 XP_041364172.1 31.1
 563 262 15 8 490 1565 2081 7.00E-46 193.4 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000024403 6596 59.3 UdeM00000024403 XP_045203123.1 46.2 65
 31 2 1 63 697 759 8.60E-06 59.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024405 6596 1107.8 UdeM00000024405 XP_045190532.1 61.9
 907 279 5 2 908 613 1452 0.00E+00 1107.8 6596
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024407 6596 280.4 UdeM00000024407 XP_045171947.1 63.9 205
 74 0 1765 1969 164 368 1.80E-71 280.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024408 6596 88.2 UdeM00000024408 XP_045203699.1 33.9 121
 79 1 24 143 28 148 1.10E-14 88.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024409 6596 273.5 UdeM00000024409 XP_045157323.1 60.4 212
 83 1 7 218 9 219 2.90E-70 273.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000024410 7936 88.2 UdeM00000024410 XP_035247672.1 29.5 200
 122 4 4 202 22 203 2.10E-14 88.2 7936 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi

a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Actinopterygii;Actinopteri;Neopterygii;Teleostei;Elopocephalai;Elopocephala;Elopopomorpha;Anguilliformes;Anguillidae;Anguilla;Anguilla anguilla

UdeM00000024413 6596 1126.3 UdeM00000024413 XP_045190532.1 67.1
818 268 1 2 819 613 1429 0.00E+00 1126.3 6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024415 6596 59.3 UdeM00000024415 XP_045203123.1 46.2 65
31 2 1 63 697 759 8.60E-06 59.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024417 6596 253.4 UdeM00000024417 XP_045210760.1 32.1 579
348 15 8 564 1549 2104 6.60E-64 253.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024418 6565 89.7 UdeM00000024418 XP_022312022.1 61.3 62
24 0 9 70 109 170 1.80E-15 89.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024419 6596 164.5 UdeM00000024419 XP_045174181.1 61 123
48 0 1 123 1 123 9.10E-38 164.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024420 7574 369.8 UdeM00000024420 XP_013408166.1 54.6 368
104 2 1 305 1 368 4.00E-99 369.8 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000024421 6596 99.8 UdeM00000024421 XP_045165863.1 44.9 127
50 1 2 108 636 762 2.30E-18 99.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024422 6565 136.3 UdeM00000024422 XP_022318420.1 47.2 125
66 0 22 146 72 196 1.30E-28 136.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024423 6573 94 UdeM00000024423 XP_021377146.1 42 119
57 4 1 119 1604 1710 1.60E-16 94 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024424 6573 89.4 UdeM00000024424 XP_021353057.1 64.5 62
 22 0 5 66 35 96 2.50E-15 89.4 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024425 37621 194.9 UdeM00000024425 XP_014679849.1 40.9 230
 68 3 2 163 394 623 8.10E-47 194.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapulus;Priapulus caudatus
 UdeM00000024427 6573 169.1 UdeM00000024427 XP_021376553.1 48.4 186
 89 5 279 460 1 183 1.30E-38 169.1 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024429 6573 71.6 UdeM00000024429 XP_021358586.1 30.6 134
 89 2 599 731 116 246 4.60E-09 71.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024430 6565 419.5 UdeM00000024430 XP_022345219.1 50.5 388
 185 3 1 386 1 383 4.80E-114 419.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000024431 7574 132.9 UdeM00000024431 XP_023933159.1 47.2 144
 75 1 18 161 238 380 4.00E-28 132.9 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000024435 225164 75.1 UdeM00000024435 XP_009047886.1 45.9
 98 48 2 1 93 3 100 7.20E-11 75.1 225164
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidea;
 Lottiidae;Lottia;Lottia gigantea
 UdeM00000024436 6573 91.3 UdeM00000024436 XP_021346237.1 36.7 128
 78 2 55 181 14 139 1.90E-15 91.3 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024436 6573 68.6 UdeM00000024436 XP_021346237.1 50.7 67
 30 1 184 250 634 697 1.30E-08 68.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000024438 6596 87 UdeM00000024438 XP_045161687.1 49.5 91
 42 1 36 122 82 172 1.80E-14 87 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000024437 6596 84.3 UdeM00000024437 XP_045161687.1 42.6 129
 65 3 36 161 82 204 1.60E-13 84.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024439 6596 169.5 UdeM00000024439 XP_045212344.1 38.1 252
110 6 35 246 46 291 5.40E-39 169.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024440 6596 228 UdeM00000024440 XP_045193365.1 57.7 182
75 2 78 257 62 243 1.40E-56 228 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024441 6573 226.5 UdeM00000024441 XP_021349278.1 48.6 288
112 7 103 364 59 336 5.80E-56 226.5 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000024442 6596 75.9 UdeM00000024442 XP_045186033.1 30.4 158
108 2 165 322 23 178 1.20E-10 75.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024443 6565 138.7 UdeM00000024443 XP_022287659.1 40.1 147
88 0 14 160 131 277 7.70E-30 138.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024444 29159 487.6 UdeM00000024444 XP_034330259.1 38.9 704
338 13 5 628 7 698 2.50E-134 487.6 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024445 6596 75.9 UdeM00000024445 XP_045186033.1 30.4 158
108 2 165 322 23 178 1.20E-10 75.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000024446 6565 138.7 UdeM00000024446 XP_022287659.1 40.1 147
88 0 14 160 131 277 7.70E-30 138.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000024447 29159 488 UdeM00000024447 XP_034330259.1 38.9 704
338 13 5 628 7 698 1.90E-134 488 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000024448 6596 75.9 UdeM00000024448 XP_045186033.1 30.4 158
 108 2 165 322 23 178 1.20E-10 75.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040983 6596 132.9 UdeM00000040983 XP_045181000.1 70.5 88
 26 0 30 117 867 954 2.80E-28 132.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040986 6706 152.5 UdeM00000040986 XP_042235765.1 44.6 157
 87 0 1 157 1 157 4.50E-34 152.5 6706 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Crustacea;Mul
 ticrustacea;Malacostraca;Eumalacostraca;Eucarida;Decapoda;Pleocyemata;Ast
 acidea;Nephropoidea;Nephropidae;Homarus;Homarus americanus
 UdeM00000040987 6596 185.7 UdeM00000040987 XP_045182316.1 45.8 227
 119 3 1 227 392 614 1.00E-43 185.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040989 218467 96.3 UdeM00000040989 XP_023212120.1 39.8
 118 71 0 1 118 16 133 4.40E-17 96.3 218467
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Scorpiones;Buthi
 da;Buthoidea;Buthidae;Centruroides;Centruroides sculpturatus
 UdeM00000040992 6596 68.9 UdeM00000040992 XP_045208259.1 50.7 67
 30 1 8 71 239 305 3.80E-09 68.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000040993 7906 119 UdeM00000040993 XP_034783435.1 26.8 384
 248 7 60 414 46 425 1.80E-23 119 7906 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Chondrostei;Acipenseriformes;Acipenseroides;Acipen
 seridae;Acipenserinae;Acipenserini;Acipenser;Acipenser ruthenus
 UdeM00000040994 1735272 148.7 UdeM00000040994 XP_041349428.1 46.8
 158 82 2 1 157 76 232 6.40E-33 148.7 1735272
 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Pel
 tospiridae;Gigantopelta;Gigantopelta aegis
 UdeM00000040995 50429 67 UdeM00000040995 XP_022785721.1 39.8 93
 53 1 14 103 365 457 5.00E-08 67 50429 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora
 pistillata

UdeM00000040996 37621 152.9 UdeM00000040996 XP_014677757.1 59.1 127
 50 1 1 125 235 361 2.70E-34 152.9 37621 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Scalidophora;Priapulida;Priapulimorpha;Priapulimorphida;Priapul
 idae;Priapululus;Priapululus caudatus
 UdeM00000040998 7741 201.4 UdeM00000040998 XP_019640655.1 49.7 193
 96 1 65 256 1 193 1.30E-48 201.4 7741 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Br
 anchiostoma;Branchiostoma belcheri
 UdeM00000040999 6596 85.5 UdeM00000040999 XP_045176798.1 32.4 216
 116 11 113 323 85 275 1.40E-13 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041000 6596 85.5 UdeM00000041000 XP_045176798.1 32.4 216
 116 11 113 323 85 275 1.40E-13 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041001 6596 85.5 UdeM00000041001 XP_045176798.1 32.4 216
 116 11 113 323 85 275 1.40E-13 85.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041002 6596 87.4 UdeM00000041002 XP_045176798.1 32.5 212
 121 10 113 323 85 275 3.60E-14 87.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041003 6596 85.9 UdeM00000041003 XP_045176798.1 31.6 209
 125 7 113 321 85 275 1.00E-13 85.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041005 6596 158.3 UdeM00000041005 XP_045201204.1 49.7 179
 83 4 5 176 97 275 1.60E-35 158.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000041006 6579 475.3 UdeM00000041006 XP_033760941.1 53.3 458
 211 3 1 457 1 456 9.00E-131 475.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000041007 6573 3867.8 UdeM00000041007 XP_021373328.1 77.9
 2493 507 9 1 2452 1 2489 0.00E+00 3867.8 6573
 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000041008 6596 1075.1 UdeM00000041008 XP_045200772.1 72.7
726 193 2 1 722 1 725 0.00E+00 1075.1 6596
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041009 29159 508.4 UdeM00000041009 XP_011431128.1 75.4 338
83 0 1 338 1 338 6.80E-141 508.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041010 225164 749.2 UdeM00000041010 XP_009048401.1 67.7
517 167 0 6 522 1 517 3.50E-213 749.2 225164
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Patellogastropoda;Lottioidae;Lottiidae;Lottia;Lottia gigantea

UdeM00000041011 6596 203.8 UdeM00000041011 XP_045191363.1 76.2 130
31 0 4 133 3 132 1.40E-49 203.8 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041012 259920 68.2 UdeM00000041012 XP_020388889.1 68.3
41 13 0 13 53 2 42 5.30E-09 68.2 259920
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Chondrichthyes;Elasmobranchii;Selachii;Galeomorphii;Galeoidea;Orectolobiformes;Rhincodontidae;Rhincodon;Rhincodon typus

UdeM00000041013 6596 413.3 UdeM00000041013 XP_045199396.1 41.1 587
307 8 1 573 146 707 5.00E-112 413.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041014 29159 75.5 UdeM00000041014 XP_034310118.1 39.8 103
51 2 399 490 468 570 2.60E-10 75.5 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000041015 6596 292 UdeM00000041015 XP_045199935.1 33.6 586
352 13 1 574 1 561 1.70E-75 292 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041016 6596 630.6 UdeM00000041016 XP_045200596.1 72.4 453
104 6 5 442 2 448 1.50E-177 630.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041017	6596	1349.7		UdeM00000041017	XP_045200594.1	80.3				
	813	128	2	1	806	1	788	0.00E+00	1349.7	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041018	6596	416.8		UdeM00000041018	XP_045200592.1	85.7	237			
	34	0	1	237	474	710	1.90E-113	416.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041019	6579	70.1		UdeM00000041019	XP_033744278.1	55	60			
	27	0	1	60	1189	1248	1.20E-09	70.1	6579	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000041020	6596	243.4		UdeM00000041020	XP_045201015.1	73.5	170			
	36	5	65	230	256	420	4.40E-61	243.4	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041021	6596	65.9		UdeM00000041021	XP_045201038.1	43.1	102			
	54	3	1	98	160	261	4.50E-08	65.9	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000041022	6596	159.8		UdeM00000041022	XP_045201032.1	64.4	149			
	46	6	12	154	68	215	3.30E-36	159.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036598	6596	602.8		UdeM00000036598	XP_045173500.1	68.8	468			
	128	14	1	459	1	459	3.60E-169	602.8	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036599	6596	189.5		UdeM00000036599	XP_045173500.1	61.5	169			
	59	4	1	167	1	165	3.50E-45	189.5	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036600	6596	1856.6		UdeM00000036600	XP_045171891.1	55.5				
	1626	700	10	24	1638	18	1630	0.00E+00	1856.6	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036601	6596	1857.4		UdeM00000036601	XP_045171891.1	55.5				
	1625	700	10	24	1637	18	1630	0.00E+00	1857.4	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036602	6596	1761.5		UdeM00000036602	XP_045171891.1	57.5				
	1477	608	9	24	1489	18	1485	0.00E+00	1761.5	6596

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036603	1735272		68.2	UdeM00000036603	XP_041378866.1	46.7				
	75	35	2	1	75	1	70	6.10E-09	68.2	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036604	1735272		65.5	UdeM00000036604	XP_041378866.1	57.1				
	49	20	1	27	75	23	70	3.60E-08	65.5	1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltospiridae;Gigantopelta;Gigantopelta aegis

UdeM00000036605	6596	297		UdeM00000036605	XP_045202427.1	32.5	717			
	438	16	13	695	11	715	6.40E-77	297	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036606	6596	596.7		UdeM00000036606	XP_045172794.1	56.7	529			
	214	4	1	524	140	658	3.30E-167	596.7	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036607	6596	197.6		UdeM00000036607	XP_045172794.1	73.4	109			
	29	0	46	154	19	127	1.20E-47	197.6	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036609	6596	339.3		UdeM00000036609	XP_045211867.1	46.8	357			
	170	6	255	603	105	449	9.70E-90	339.3	6596	cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036610 29159 157.5 UdeM00000036610 XP_011456886.2 32 306
 175 6 11 304 445 729 2.60E-35 157.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036612 29159 222.2 UdeM00000036612 XP_011456886.2 36.5 353
 191 6 1 341 398 729 9.80E-55 222.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036613 6596 190.3 UdeM00000036613 XP_045211867.1 40.9 257
 134 6 60 316 76 314 3.80E-45 190.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036614 6579 64.3 UdeM00000036614 XP_033730092.1 40.2 92
 52 1 1 89 807 898 9.10E-08 64.3 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036615 6579 163.7 UdeM00000036615 XP_033730092.1 28.7 429
 197 9 1 323 807 1232 4.20E-37 163.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036616 6565 156.8 UdeM00000036616 XP_022289689.1 39.5 223
 128 5 5 224 247 465 3.90E-35 156.8 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036622 6579 447.2 UdeM00000036622 XP_033726834.1 37.8 776
 420 22 12 765 65 799 4.20E-122 447.2 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036628 6579 445.7 UdeM00000036628 XP_033726834.1 37.5 774
 423 21 61 812 65 799 1.30E-121 445.7 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036632 29159 457.2 UdeM00000036632 XP_011456886.2 36.9 734
 408 16 54 765 29 729 4.10E-125 457.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036634 29159 218.8 UdeM00000036634 XP_011456886.2 35.4 353
 195 5 1 341 398 729 1.10E-53 218.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036635 6596 75.5 UdeM00000036635 XP_045211867.1 49.3 73
 35 2 1 72 324 395 3.50E-11 75.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036636 6579 89 UdeM00000036636 XP_033726834.1 28.9 322
139 9 53 307 64 362 1.20E-14 89 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000036637 6573 146.7 UdeM00000036637 XP_021375654.1 51.8 139
67 0 5 143 1 139 2.20E-32 146.7 6573 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pectinida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis

UdeM00000036638 7574 210.3 UdeM00000036638 XP_023932326.1 47 247
126 4 6 250 5 248 2.80E-51 210.3 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036639 7574 123.2 UdeM00000036639 XP_013381563.1 42 143
66 4 1 133 250 385 2.90E-25 123.2 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036640 7574 137.9 UdeM00000036640 XP_013381563.1 43 149
83 1 34 182 54 200 1.30E-29 137.9 7574 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Linguloidea;Lingulidae;Lingula;Lingula anatina

UdeM00000036641 6596 625.2 UdeM00000036641 XP_045171668.1 86.4 360
46 2 10 369 57 413 5.40E-176 625.2 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036642 6596 583.6 UdeM00000036642 XP_045173945.1 52.9 664
217 19 1 607 1 625 3.00E-163 583.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036643 2607531 207.2 UdeM00000036643 XP_029635509.1 50.5
212 101 3 1 211 1 209 2.10E-50 207.2 2607531

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Cephalopoda;Coleoidea;Octopodiformes;Octopoda;Incirrata;Octopodidae;Octopus;Octopus sinensis

UdeM00000036644 6596 657.5 UdeM00000036644 XP_045172413.1 70.3 448
126 2 1 448 1 441 1.20E-185 657.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036646 7741 76.6 UdeM00000036646 XP_019625005.1 45.6 90
47 2 9 98 100 187 3.30E-11 76.6 7741 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Cephalochordata;Leptocardii;Amphioxiformes;Branchiostomidae;Branchiostoma;Branchiostoma belcheri

UdeM00000036647 6596 260.4 UdeM00000036647 XP_045173647.1 39.5 301
175 3 82 380 99 394 3.60E-66 260.4 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036648 6596 263.5 UdeM00000036648 XP_045173647.1 41.3 312
167 5 62 371 93 390 4.20E-67 263.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036649 6596 247.7 UdeM00000036649 XP_045173647.1 41.6 286
158 4 75 356 101 381 2.30E-62 247.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036650 2652724 64.7 UdeM00000036650 XP_020905078.2 39.4
71 43 0 16 86 19 89 8.80E-08 64.7 2652724

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana

UdeM00000036651 29159 131.3 UdeM00000036651 XP_034313077.1 65 100
35 0 4 103 158 257 6.90E-28 131.3 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriormorphia;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000036653 6596 358.6 UdeM00000036653 XP_045173647.1 56.9 288
123 1 142 428 105 392 1.30E-95 358.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036654 6596 339.7 UdeM00000036654 XP_045173647.1 55.8 278
122 1 107 383 102 379 4.70E-90 339.7 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036655 6596 346.3 UdeM00000036655 XP_045173647.1 54.3 289
131 1 107 394 102 390 5.40E-92 346.3 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000036656 7070 239.6 UdeM00000036656 XP_015838855.1 65.7 178
59 1 38 215 277 452 3.70E-60 239.6 7070 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pan crustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cuc

jiformia;Tenebrionoidea;Tenebrionidae;Tenebrionidae incertae
 sedis;Tribolium;Tribolium castaneum
 UdeM00000036657 6573 227.6 UdeM00000036657 XP_021362108.1 89.5 114
 12 0 1 114 1 114 7.80E-57 227.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036659 6596 212.6 UdeM00000036659 XP_045173647.1 54.3 173
 78 1 1 172 212 384 4.00E-52 212.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036661 6565 179.5 UdeM00000036661 XP_022297037.1 58.4 161
 64 2 5 164 80 238 3.60E-42 179.5 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Pteriomorpha;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036662 6596 350.1 UdeM00000036662 XP_045173647.1 51.4 329
 155 3 107 434 102 426 4.20E-93 350.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036663 6596 271.6 UdeM00000036663 XP_045173647.1 45.1 304
 129 3 112 377 102 405 1.80E-69 271.6 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036664 6596 341.7 UdeM00000036664 XP_045173647.1 49.4 326
 160 2 110 434 105 426 1.60E-90 341.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036665 6596 355.9 UdeM00000036665 XP_045173647.1 50.9 326
 155 3 107 431 102 423 7.20E-95 355.9 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036666 6596 351.7 UdeM00000036666 XP_045173647.1 49.1 344
 167 3 142 484 102 438 1.60E-93 351.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036667 6596 663.3 UdeM00000036667 XP_045171484.1 55.3 577
 211 9 59 606 69 627 3.00E-187 663.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranhia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria

UdeM00000036668 6596 490 UdeM00000036668 XP_045170767.1 51.7 478
 208 7 51 511 96 567 3.80E-135 490 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036669 7574 287 UdeM00000036669 XP_013381563.1 43.2 338
 176 5 65 392 54 385 4.00E-74 287 7574 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Brachiopoda;Linguliformea;Lingulata;Lingulida;Lin
 guloidea;Lingulidae;Lingula;Lingula anatina
 UdeM00000036671 6579 547 UdeM00000036671 XP_033747627.1 72.7 366
 95 2 5 367 45 408 1.90E-152 547 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000036672 29159 279.6 UdeM00000036672 XP_011418078.2 52.1 234
 111 1 5 237 305 538 3.70E-72 279.6 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036673 29159 480.7 UdeM00000036673 XP_011418078.2 68.3 312
 99 0 1 312 1 312 1.40E-132 480.7 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036674 6596 565.1 UdeM00000036674 XP_045171015.1 44.2 686
 340 11 10 673 33 697 1.20E-157 565.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036675 6573 373.6 UdeM00000036675 XP_021348533.1 31.9 643
 399 7 31 661 1 616 5.50E-100 373.6 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000036678 6596 587.8 UdeM00000036678 XP_045171015.1 44.9 704
 346 11 3 691 26 702 1.80E-164 587.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036677 6596 589 UdeM00000036677 XP_045171015.1 44.5 712
 353 11 2 698 18 702 8.20E-165 589 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036679 6565 429.1 UdeM00000036679 XP_022314753.1 50.5 487
 215 9 4 477 6 479 7.40E-117 429.1 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000036680 6565 435.6 UdeM00000036680 XP_022344644.1 72.2 270
 75 0 1 270 1 270 4.70E-119 435.6 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036681 29159 318.5 UdeM00000036681 XP_011418078.2 52.6 268
 121 1 14 275 270 537 8.20E-84 318.5 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000036682 6596 198 UdeM00000036682 XP_045179742.1 37.4 286
 173 4 37 319 131 413 1.90E-47 198 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036683 6596 198 UdeM00000036683 XP_045179742.1 37.4 286
 173 4 122 404 131 413 2.40E-47 198 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036684 6596 203.8 UdeM00000036684 XP_045179742.1 38.5 283
 168 4 365 644 134 413 6.90E-49 203.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036686 6565 230.3 UdeM00000036686 XP_022340634.1 64.2 201
 69 2 438 636 306 505 6.80E-57 230.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036688 6565 230.3 UdeM00000036688 XP_022340634.1 64.2 201
 69 2 258 456 306 505 4.90E-57 230.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000036689 6596 211.8 UdeM00000036689 XP_045173629.1 52 223
 95 5 4 223 3 216 8.70E-52 211.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036690 6596 240.7 UdeM00000036690 XP_045176664.1 30.6 545
 347 15 44 566 32 567 4.40E-60 240.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036691 6596 237.7 UdeM00000036691 XP_045176664.1 30.5 545
 345 15 44 563 32 567 3.70E-59 237.7 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe

terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
 UdeM00000036692 6526 69.3 UdeM00000036692 XP_013089678.1 35.4 147
 81 5 527 672 100 233 2.10E-08 69.3 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000036693 6596 166.8 UdeM00000036693 XP_045176664.1 46.9 177
 88 4 13 185 393 567 2.70E-38 166.8 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000036694 6526 70.9 UdeM00000036694 XP_013089678.1 36.1 147
 80 5 109 254 100 233 2.70E-09 70.9 6526 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Heterobranchia;Euthyneura;Pan
 pulmonata;Hygrophila;Lymnaeoidea;Planorbidae;Biomphalaria;Biomphalaria
 glabrata
 UdeM00000042212 29159 149.8 UdeM00000042212 XP_034302097.1 48.8 164
 78 2 277 440 255 412 8.30E-33 149.8 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042213 6565 150.2 UdeM00000042213 XP_022292556.1 44.2 181
 95 4 36 216 602 776 3.20E-33 150.2 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042214 6596 201.4 UdeM00000042214 XP_045206316.1 50.5 208
 94 3 17 221 59 260 1.20E-48 201.4 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042216 6596 112.5 UdeM00000042216 XP_045202576.1 64 86
 30 1 1 86 115 199 5.00E-22 112.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042217 29159 298.1 UdeM00000042217 XP_011417584.2 74.5 196
 50 0 139 334 132 327 1.40E-77 298.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042218 29159 298.1 UdeM00000042218 XP_011417584.2 74.5 196
 50 0 147 342 132 327 1.40E-77 298.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042221 29159 278.1 UdeM00000042221 XP_011417584.2 75.3 178
 44 0 121 298 132 309 1.30E-71 278.1 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042223 6565 121.3 UdeM00000042223 XP_022334993.1 49.6 123
60 1 1 121 481 603 8.60E-25 121.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042224 6565 87 UdeM00000042224 XP_022334995.1 40.5 121
65 3 5 121 30 147 1.80E-14 87 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042225 2652724 260.8 UdeM00000042225 XP_028515960.1 31.4
577 287 15 3 477 4 573 3.70E-66 260.8 2652724
cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Actiniaria;Aiptasiidae;Exaiptasia;Exaiptasia diaphana
UdeM00000042226 50429 84.3 UdeM00000042226 XP_022790680.1 50 80
36 2 3 82 40 115 1.60E-13 84.3 50429 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexacorallia;Scleractinia;Astrocoeniina;Pocilloporidae;Stylophora;Stylophora pistillata
UdeM00000042228 6596 135.6 UdeM00000042228 XP_045202346.1 47.4 154
73 3 7 154 11 162 5.50E-29 135.6 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euheterodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria
UdeM00000042231 29159 382.9 UdeM00000042231 XP_011417584.2 71.9 260
73 0 139 398 132 391 5.20E-103 382.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000042232 6565 128.3 UdeM00000042232 XP_022287303.1 35.1 194
117 4 132 324 509 694 1.90E-26 128.3 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreioidea;Ostreidae;Crassostrea;Crassostrea virginica
UdeM00000042233 94885 160.2 UdeM00000042233 XP_034266860.1 52 150
69 2 1 147 287 436 2.00E-36 160.2 94885 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomia;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Sarcopterygii;Dipnotetrapodomorpha;Tetrapoda;Amniota;Sauropsida;Sauria;Lepidosauria;Squamata;Bifurcata;Unidentata;Episquamata;Toxicofera;Serpentes;Colubroidea;Colubridae;Colubrinae;Pantherophis;Pantherophis guttatus
UdeM00000042234 7048 85.5 UdeM00000042234 XP_030756762.1 39.7 116
47 2 1 116 862 954 4.90E-14 85.5 7048 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Ecdysozoa;Panarthropoda;Arthropoda;Mandibulata;Pancrustacea;Hexapoda;Insecta;Dicondylia;Pterygota;Neoptera;Endopterygota;Coleoptera;Polyphaga;Cucujiformia;Curculionoidea;Curculionidae;Dryophthorinae;Sitophilus;Sitophilus oryzae

UdeM00000042235 6565 356.3 UdeM00000042235 XP_022295767.1 41.1 482
 270 9 38 509 43 520 6.50E-95 356.3 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042237 8049 258.8 UdeM00000042237 XP_030193753.1 35.9 376
 225 4 134 504 17 381 1.40E-65 258.8 8049 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
 e;Gadus;Gadus morhua
 UdeM00000042238 8049 260 UdeM00000042238 XP_030193753.1 35.9 376
 225 4 134 504 17 381 6.30E-66 260 8049 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Deuterostomi
 a;Chordata;Craniata;Vertebrata;Gnathostomata;Teleostomi;Euteleostomi;Acti
 nopterygii;Actinopteri;Neopterygii;Teleostei;Osteoglossocephalai;Clupeoce
 phala;Euteleosteomorpha;Neoteleostei;Eurypterygia;Ctenosquamata;Acanthomo
 rphata;Paracanthopterygii;Zeiogadaria;Gadariae;Gadiformes;Gadoidei;Gadida
 e;Gadus;Gadus morhua
 UdeM00000042239 29159 93.2 UdeM00000042239 XP_011423587.2 29.4 289
 171 10 144 408 17 296 8.20E-16 93.2 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042240 29159 96.3 UdeM00000042240 XP_011423589.2 30 227
 136 7 113 330 63 275 7.90E-17 96.3 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042241 6573 95.5 UdeM00000042241 XP_021340236.1 28.7 261
 138 11 216 433 99 354 1.80E-16 95.5 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042242 6565 101.7 UdeM00000042242 XP_022338729.1 29.2 291
 174 9 133 401 7 287 2.30E-18 101.7 6565 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica
 UdeM00000042244 6573 93.2 UdeM00000042244 XP_021340356.1 27.9 258
 146 9 160 379 99 354 7.60E-16 93.2 6573 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorphia;Pect
 inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
 UdeM00000042245 48498 63.5 UdeM00000042245 XP_020605250.1 32.8 128
 74 5 66 188 302 422 3.20E-07 63.5 48498 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
 corallia;Scleractinia;Faviina;Merulinidae;Orbicella;Orbicella faveolata
 UdeM00000042246 29159 80.1 UdeM00000042246 XP_011424333.2 26.1 280
 175 9 123 388 14 275 6.90E-12 80.1 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042247 6579 103.6 UdeM00000042247 XP_033760168.1 29.8 289
 182 10 155 427 4 287 6.30E-19 103.6 6579 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
 inida;Pectinoidea;Pectinidae;Pecten;Pecten maximus
 UdeM00000042249 6087 169.9 UdeM00000042249 XP_012565456.1 60.6 127
 48 1 4 128 890 1016 2.20E-39 169.9 6087 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Hydrozoa;Hydr
 oidolina;Anthoathecata;Aplanulata;Hydridae;Hydra;Hydra vulgaris
 UdeM00000042250 6945 65.1 UdeM00000042250 XP_040078187.1 30.8 117
 80 1 75 190 38 154 2.60E-07 65.1 6945 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Ecdysozoa;Panarthropoda;Arthropoda;Chelicerata;Arachnida;Acari;Parasitifo
 rmes;Ixodida;Ixodoidea;Ixodidae;Ixodinae;Ixodes;Ixodes scapularis
 UdeM00000042251 29159 97.4 UdeM00000042251 XP_011423587.2 29.8 228
 143 6 167 386 76 294 4.10E-17 97.4 29159 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
 eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
 UdeM00000042252 6596 503.1 UdeM00000042252 XP_045175062.1 51.5 487
 234 2 9 494 8 493 4.20E-139 503.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000042253 6596 571.2 UdeM00000042253 XP_045175062.1 52.8 551
 257 3 1 550 1 549 1.40E-159 571.2 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043216 6596 523.1 UdeM00000043216 XP_045173349.1 34.7 998
 602 28 99 1068 69 1044 1.00E-144 523.1 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043217 6596 171 UdeM00000043217 XP_045173349.1 39 241
 139 5 3 235 182 422 1.80E-39 171 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043220 6596 133.3 UdeM00000043220 XP_045164125.1 54.2 118
 54 0 1 118 320 437 2.10E-28 133.3 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
 Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
 terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
 a mercenaria
 UdeM00000043222 6596 70.5 UdeM00000043222 XP_045192251.1 44.6 83
 45 1 74 156 339 420 2.30E-09 70.5 6596 cellular
 organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043227 6579 164.9 UdeM00000043227 XP_033728194.1 32.3 341
218 5 1 332 282 618 1.90E-37 164.9 6579 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Pectinida;Pectinoidea;Pectinidae;Pecten;Pecten maximus

UdeM00000043228 29159 689.9 UdeM00000043228 XP_034307112.1 51.9 673
296 7 1 645 644 1316 3.10E-195 689.9 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043229 6565 101.7 UdeM00000043229 XP_022314409.1 37.9 177
91 5 1 158 1139 1315 9.00E-19 101.7 6565 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea virginica

UdeM00000043230 1735272 100.1 UdeM00000043230 XP_041349428.1 38
158 68 3 1 129 76 232 2.20E-18 100.1 1735272

cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Gastropoda;Neomphalina;Neomphaloidea;Peltopspiridae;Gigantopelta;Gigantopelta aegis

UdeM00000043231 6596 105.1 UdeM00000043231 XP_045209522.1 41 144
80 3 3 141 210 353 7.40E-20 105.1 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043232 29159 79.7 UdeM00000043232 XP_034330943.1 65.4 52
16 1 54 105 131 180 2.50E-12 79.7 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriomorpha;Ostreida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas

UdeM00000043234 6596 263.5 UdeM00000043234 XP_045173349.1 34.1 501
303 14 8 494 423 910 6.90E-67 263.5 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043236 10228 91.3 UdeM00000043236 XP_002118406.1 36.8 152
93 3 1 151 280 429 1.30E-15 91.3 10228 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplaxidae;Trichoplax;Trichoplax adhaerens

UdeM00000043237 6596 471.9 UdeM00000043237 XP_045208720.1 31.7 1131
686 34 51 1132 196 1289 2.40E-129 471.9 6596 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euherodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenaria mercenaria

UdeM00000043238 29159 196.4 UdeM00000043238 XP_034313077.1 49.1 216
51 3 1 157 1 216 2.70E-47 196.4 29159 cellular

organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;

Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Ostr
eida;Ostreoidea;Ostreidae;Crassostrea;Crassostrea gigas
UdeM00000043242 6596 85.9 UdeM00000043242 XP_045192251.1 53.3 92
40 2 209 297 328 419 9.60E-14 85.9 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000043243 6573 305.8 UdeM00000043243 XP_021354853.1 47.7 331
138 3 221 516 157 487 1.00E-79 305.8 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000043244 6573 383.3 UdeM00000043244 XP_021372025.1 50.8 376
177 4 1 371 32 404 3.60E-103 383.3 6573 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Pteriormorphia;Pect
inida;Pectinoidea;Pectinidae;Mizuhopecten;Mizuhopecten yessoensis
UdeM00000043709 10228 67.4 UdeM00000043709 XP_002118408.1 30.1 136
87 5 71 203 5 135 2.50E-08 67.4 10228 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Placozoa;Trichoplacida
e;Trichoplax;Trichoplax adhaerens
UdeM00000043710 6105 217.2 UdeM00000043710 XP_031565239.1 60.2 176
65 2 5 176 12 186 1.60E-53 217.2 6105 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Cnidaria;Anthozoa;Hexa
corallia;Actiniaria;Actiniidae;Actinia;Actinia tenebrosa
UdeM00000043711 6596 200.3 UdeM00000043711 XP_045162610.1 27.6 713
408 27 84 737 100 763 1.00E-47 200.3 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035100 6596 60.1 UdeM00000035100 XP_045186063.1 33.6 113
65 2 175 278 354 465 5.40E-06 60.1 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria
UdeM00000035101 6596 66.2 UdeM00000035101 XP_045177776.1 29.2 120
81 2 1 118 925 1042 8.70E-08 66.2 6596 cellular
organisms;Eukaryota;Opisthokonta;Metazoa;Eumetazoa;Bilateria;Protostomia;
Spiralia;Lophotrochozoa;Mollusca;Bivalvia;Autobranchia;Heteroconchia;Euhe
terodonta;Imparidentia;Venerida;Veneroidea;Veneridae;Mercenaria;Mercenari
a mercenaria